

# FINLUX

colour television  
telewizja kolorowa

43-FUG-9070



owner's manual  
instrukcja obsługi

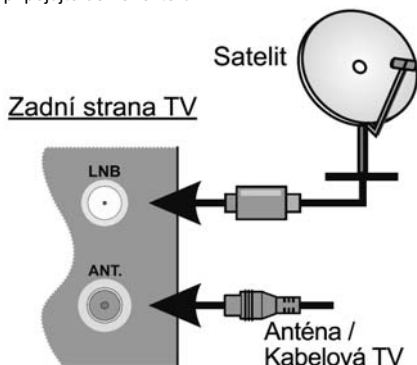
## 1 Vložení baterií do dálkového ovladače

Opatrně zvedněte kryt, je-li zajištěn šroubem odšroubujte jej. Vložte dvě baterie 1,5 V velikosti **AAA**. Ujistěte se, že (+) a (-) označení souhlasí (dbejte na správnou polaritu). Nemíchejte staré a nové baterie. Vyměňujte pouze za stejný nebo ekvivalentní typ. Nasadte kryt zpět a zajistěte jej zajišťovacím šroubkem. Šroubek byl buď namontován v ovladači již z výroby a nebo je přibalen samostatně v plastovém sáčku.

## 2 Připojení

### Anténa

Připojte kabel od antény nebo přípojky kabelové televize do konektoru ANT, kabel od satelitu připojujete do konektoru LNB.



### Připojení HDMI

HDMI konektory jsou na zadní straně a boku TV.



## 3 Zapnutí televizoru

Televizor z pohotovostního režimu můžete zapnout dálkovým ovladačem. Stiskněte tlačítko **Standby**, číselné tlačítko nebo tlačítko **Program +/-** na dálkovém ovladači. Nebo tlačítkem na televizoru.

Podle typu televizoru stiskněte střed ovládacího tlačítka umístěného na zadní levé straně televizoru nebo na levé spodní části televizoru.

### Připojení dalších zařízení k televizoru



Chcete-li připojit externí zařízení nejprve zkontrolujte, že televizor i připojované zařízení jsou vypnuty.

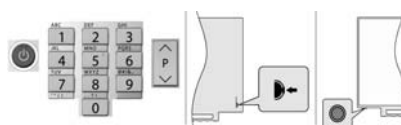
Pro propojení zařízení použijte příslušný kabel.

Pro výběr požadovaného vstupu stiskněte tlačítko **Source** na dálkovém ovladači nebo použijte tlačítko na televizoru. Podle typu televizoru buď postupně stlačujte střed ovládacího tlačítka, dokud se nezobrazí **Vstupy**. Nebo Stisknutím ovládacího tlačítka zobrazíte nabídku funkcí, následně vyberete **Zdroj**. Podržte tlačítko po dobu 2 sekundy pro aktivaci této volby a poté procházejte dostupné vstupy stisknutím tlačítka.

### Připojení k elektrické síti

**DŮLEŽITÉ:** Televizor je určen k použití s napětím **220-240 V AC při 50 Hz**. Dříve než přístroj připojíte do sítě, vyčkejte, až po vybalení získá pokojovou teplotu.

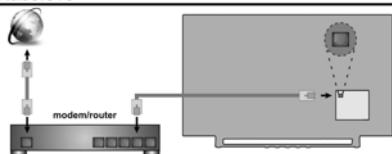
Zapojte napájecí kabel do zásuvky napájení ve zdi.



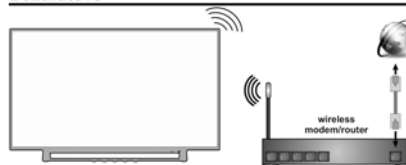
## 4 Připojení k internetu

Můžete nastavit televizor tak, aby získal přístup k Internetu prostřednictvím lokální sítě (LAN) pomocí kabelového nebo bezdrátového připojení. Následujete pokyny na obrazovce v **Průvodci úvodním nastavením**.

### Kabelové

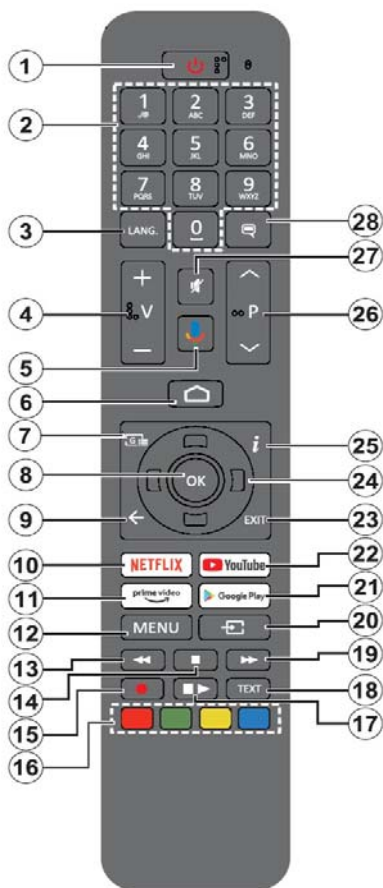


### Bezdrátové



**Poznámka :** Obrázky jsou určeny pouze pro znázornění.

## 5 Dálkový ovladač RC45160



### Standby : Vypínání / zapínání televizoru

- 1) Stiskněte a podržte tlačítko **Standby** až se na obrazovce zobrazí nabídka vypnutí, nastavte na **OK** a poté stiskněte tlačítko **OK**. Televizor se vypne do pohotovostního režimu.
- 2) Krátkým stisknutím a uvolněním vypnete televizor do rychlého pohotovostního režimu nebo televizor zapnete.

1. **Standby (Pohotovostní režim):** Zapíná/Vypíná TV
2. **Číselná tlačítka:** Přepne kanál v režimu Live TV, zadá číslo nebo písmeno v textovém poli na obrazovce
3. **Jazyk:** Zobrazuje a je-li k dispozici více možností mění jazyk zvukového doprovodu (Live TV)
4. **Hlasitost +/- :** Zesiluje / Zeslabuje hlasitost
5. **Mikrofon:** Aktivuje mikrofon na dálkovém ovladači
6. **Home:** Otevře hlavní stranu Domovskou obrazovku
7. **Guide (Průvodce):** Zobrazí elektronický programový průvodce z kanálů pozemního či satelitního vysílání.
8. **OK:** Potvrzuje výběry, vstupuje do podmenu. V režimu Live TV zobrazí seznam kanálů.
9. **Zpět/Návrat:** Vrátí se o krok zpět, zavře otevřená okna, v režimu Live TV zavře teletext.
10. **Netflix:** Spustí aplikaci Netflix
11. **Prime Video :** Spustí aplikace Prime Video
12. **Menu :** V režimu Live TV zobrazí menu pro ladění kanálů televizního vysílání a ostatní možnosti pro nastavení televizoru. V režimech aplikací zobrazí menu dostupných nastavení televizoru (obraz, zvuk).
13. **Přetočit vzad:** Přesun obrazu zpět u médií (filmy)
14. **Stop:** Zastaví přehrávání média, ukončí nahrávání
15. **Nahrávání:** Nahrává programy v režimu Live TV(\*\*)
16. **Barevná tlačítka:** Funkce dle pokynů na obrazovce
17. **Pauza / Přehrát :** Spouští přehrávání média, pozastavuje přehrávání média, spouští nahrávání s časovým posunem v režimu Live TV(\*\*)
18. **Text:** Otevírá a zavírá teletext v režimu Live TV
19. **Přetočit vpřed:** Posun obrazu vpřed u médií (filmy)
20. **Source (Zdroj):** Zobrazí dostupné zdroje (vstupy)
21. **GooglePlay:** Spustí aplikaci GooglePlay
22. **YouTube:** Spustí aplikaci YouTube
23. **Exit :** Ukončí zobrazení nabídky, přepne na Live TV
24. **Směrová tlačítka:** Pohyb v menu, pohyb v EPG a další podle pokynů na obrazovce.
25. **Info:** Zobrazuje informace o obsahu na obrazovce
26. **Program +/-:** Přepnutí kanálu v režimu Live TV
27. **Mute (Ztlumit):** Vypíná / zapíná zvuk TV
28. **Titulky:** Zapíná / vypíná titulky (pokud jsou k dispozici)

(\*\*) Je-li tato funkce podporována vaším TV

## 6 Průvodce úvodním nastavením, vyhledání programů televizního vysílání

### Spárování dálkového ovladače s televizorem

Při prvním zapnutí se před zahájením úvodního nastavení provede hledání příslušenství. Podle informací na obrazovce spárujete dálkové ovládání a další bezdrátové příslušenství s televizorem. Pro spárování dálkového ovladače, stiskněte a podržte tlačítko **Source** na přibližně 5-10 sekund a vyčkejte info o spárování. Stisknutím **Exit** ukončíte přidávání příslušenství a spustíte Průvodce úvodním nastavením.

### Úvodní nastavení

Na uvítací obrazovce, vyberte váš jazyk a stiskněte tlačítko **OK**. Pro nastavení TV a nastavení kanálů postupujte podle pokynů na obrazovce. Průvodce instalací vás provede procesem nastavení, připojení televizoru k internetu, vyhledáním televizních kanálů v režimu příjmu televizního vysílání Live TV.

Veškerá nastavení můžete kdykoli zrušit a znovu se vrátit k nabídce Počátečního nastavení pomocí možnosti **Obnovit** v nabídce **Nastavení > Předvolby zařízení**. Do nabídky **Nastavení** se dostanete z **Domovské obrazovky**, kterou vyvoláte stisknutím tlačítka Home na ovladači a nebo pokud jste v režimu Live TV tak z nabídky **Možnosti TV**, kterou vyvoláte stisknutím tlačítka Menu.

### Vyhledání programů televizního vysílání

Po nastavení připojení k internetu a konfiguraci vašeho účtu vám průvodce instalací nabídne možnost vyhledání programů televizního vysílání. Nejprve zvolíte typ tuneru.

#### Satelit

Pokud vyberete možnost **Satelit**, televizor vyhledá programy digitálního satelitního vysílání.

Vyberte typ Satelitu – Preferovaný nebo Obecný. Chcete-li **instalaci Skylink (M7)** volte **Preferovaný** a v další volbě **Skylink**.

Vyhledávání LNB – po volbě Vyhledat televizor zjistí možnosti připojené satelitní antény tj. jaké jsou v anténě připojené LNB a jaké satelitní družice přijímají. Výsledek vyhledávání se zobrazí v tabulce.

**Pro instalaci Skylink doporučujeme tuto možnost spíše přeskočit** tím pádem se zobrazí základní tovární nastavení LNB takto : Družice ASTRA 1 (19.2°) = DiSEqC A , ASTRA 3 (23.5°) = DiSEqC B.

**Na každé družici zkontrolujte, kvalitu a úroveň signálu**, na názvu družice stiskněte tlačítko OK a ve výpisu vlastností jedte šipku dolů až na řádky Kvalita signálu a Úroveň signálu.

Zpět se vrátíte stisknutím tlačítka Back. Zkontrolujte obě družice.

Pokud na jedné nebo obou družicích není dostatečná úroveň a kvalita signálu, zjistěte u správce či instalační firmy správnou konfiguraci LNB a DiSEqC zapojení a tyto hodnoty pak nastavte v tabulce parametrů družic, dokud nemáte úroveň a kvalitu v pořádku nemá smysl pokračovat dále ve vyhledávání.

**Je-li signál na obou družicích v pořádku** stiskněte tlačítko **ŠIPKA VPRAVO** a na obrazovce Automatické vyhledání kanálů zvolte **Vyhledat** a v další volbě opět tlačítkem **ŠIPKA VPRAVO** spustíte vyhledávání. Průběh vyhledávání a informace o dokončení se zobrazují na obrazovce.

#### Anténa

Pokud vyberete možnost **Anténa**, televizor vyhledá pozemní digitální (DVB T-2) a analogové vysílání. Na další obrazovce zvýrazněte možnost **Scan** (Skenovat) a stisknutím tlačítka **OK** spustíte vyhledávání nebo vybráním možnosti **Skip Scan** (Přeskočit skenování) pokračujte bez provedení vyhledávání.

#### Kabel

Pokud je vybrána možnost **Kabelová TV**, televizor vyhledá digitální kabelové a analogové vysílání. Po nastavení všech parametrů vyberte **Scan** (Skenovat) a stisknutím tlačítka **OK** spustíte vyhledávání nebo vybráním možnosti **Skip Scan** (Přeskočit skenování) pokračujte bez provedení vyhledávání.

## 7 Seznamy kanálů, přepínání mezi režimy satelitní, pozemní a kabelové tv

Televizor řadí uložené stanice tv a rozhlasového vysílání v **seznamu kanálů**. Seznamy jsou pro každý Režim instalace samostatné. Stisknutím tlačítka OK v režimu Live TV otevřete Seznam kanálů.

Kanály, které jsou uvedeny v seznamu, můžete procházet pomocí **Směrových tlačítek** (nahoru / dolů) dálkového ovladače, chcete-li na zvýrazněný kanál přepnout stiskněte tlačítko **OK**.

Stisknutím **červeného / zeleného** tlačítka můžete krokovat v seznamu po stránkách nahoru / dolů. Stisknutím **žlutého** tlačítka zobrazíte další možnosti jako jsou Vybrat typ, Seřadit a Najít. Chcete-li filtrovat kanály, zvýrazněte možnost Vybrat typ a stiskněte tlačítko **OK**. Pro filtrování seznamu je několik možností, volba **Vysílání** zobrazí všechny nainstalované kanály v rámci aktuálního režimu.

**Úpravy seznamu kanálů** můžete provést **po volbě Nastavení > Kanál > Kanály**, kde jsou k dispozici aktualizace kanálů a také možnosti Přeskočení, Razení, Posunutí, Úprava kanálu a Vymazání seznamu.

Možnosti úprav mohou být omezené v závislosti na počátečním nastavení, volbě operátora u satelitu a v závislosti na aktivaci LCN. Nastavení **LCN** můžete vypnout v nabídce Nastavení > Kanál, protože brání úpravám kanálů. Tato možnost může být ve výchozím nastavení nastavena na **On** (Zapnuto), v závislosti na zemi vybrané během počátečního nastavení.

**Přepínání mezi režimy** satelitní, pozemní a nebo kabelové televize.

Po volbě **Nastavení > Kanál > Režim instalace kanálu** zvýrazněte požadovaný režim Anténa / Satelit / Kabel, potvrďte jej tlačítkem OK a poté tlačítkem EXIT opusťte menu, zobrazí se naposledy sledovaný kanál v právě zvoleném režimu.


**Správa seznamů oblíbených kanálů**

Můžete vytvořit čtyři různé seznamy Vašich oblíbených kanálů. Tyto seznamy obsahují pouze kanály, které jste určili vy. Stisknutím tlačítka **OK** zobrazíte seznam kanálů. Poté stisknutím **modrého** tlačítka přejděte na seznam oblíbených. Vyberte požadovaný seznam a stiskněte tlačítko **OK**. Zvýrazněte kanál v seznamu a spusťte sledování stisknutím tlačítka **OK**.

**Tvorba seznamu oblíbených**

Chcete-li přidat aktuálně sledovaný kanál do seznamu oblíbených, stiskněte tlačítko **OK** a zobrazte seznam kanálů. Poté stisknutím **modrého** tlačítka přejděte na seznam oblíbených a stiskněte tlačítko **Menu** na dálkovém ovladači. Poté přejděte do nabídky **Kanály**, zvýrazněte možnost **Přidat do mých oblíbených položek** a stiskněte **OK**. Kanál bude přidán do vybraného seznamu oblíbených. Chcete-li tento kanál ze seznamu odebrat, otevřete seznam oblíbených kanálů, zvýrazněte kanál a stiskněte **modré** tlačítko. Tímto způsobem můžete přidat nebo odebrat pouze právě sledovaný kanál.

## 8 Sledování satelitního, pozemního nebo kabelového vysílání (režim LIVE TV)

Stisknutím tlačítka **Home**  zobrazíte **Domovskou obrazovku** s nabídkou aplikací a služeb. Pro sledování programů satelitního, pozemního nebo kabelového vysílání **najedte na okno aplikace Live TV a stiskněte OK**. Do režimu Live TV se můžete přepnout také výběrem možnosti **Kanály** v nabídce **Vstupy** na horní liště Domovské obrazovky nebo stisknutím tlačítek **EPG** nebo **Source**.

Mezi programy můžete přepínat pomocí tlačítek **Program +/-** nebo pomocí **Směrových tlačítek** (šipka nahoru/dolů) a nebo přímou volbou **Numerickými tlačítky** na dálkovém ovladači.

**Programový průvodce**

Prostřednictvím **EPG** (Elektronický programový průvodce) můžete procházet plán událostí nainstalovaných kanálů. Závisí na vysílání, zda je funkce podporována nebo ne. Chcete-li na Domovské obrazovce a nebo v režimu Live TV spustit **EPG**, stiskněte na dálkovém ovladači tlačítko **EPG**.

Pomocí **Směrových tlačítek** můžete procházet průvodcem. **Tlačítky nahoru / dolů** nebo **Program +/-** můžete přepínat na předchozí / následující kanál v seznamu, **pravým a levým směrovým tlačítkem** vyberete požadovanou událost aktuálně zvýrazněného kanálu. Na obrazovce se zobrazí celý název, čas a datum začátku a konce, žánr a stručné informace o události, pokud jsou k dispozici.

**Modrým** tlačítkem můžete filtrovat události. **Žluté** zobrazí podrobné informace. Události předchozího a následujícího dne zobrazí červené a zelené tlačítko. Postupujte podle informací na obrazovce.

Průvodce nelze zobrazit, pokud je zdroj vstupního signálu TV zablokován v nabídce Nastavení > Kanál > Rodičovská kontrola > Blokování vstupů v režimu Live TV nebo na Domovské obrazovce a nebo pokud není v režimu Live TV naladěný žádný kanál.

**Přehrávač multimédií**

Na **Domovské obrazovce** přejděte do řádku Aplikace, vyberte položku **Multi Media Player** (MMP) a spusťte stisknutím tlačítka **OK**.

Na hlavní obrazovce přehrávače médií vyberte typ média. **Modrým** tlačítkem můžete přepínat mezi typy zobrazení jako **Zobrazení seznamu** a **Mřížkové zobrazení**. Pokud je nastaveno Zobrazení seznamu, tak při procházení videí se v okně na levé straně obrazovky zobrazí náhled zvýrazněného videa.

**Z připojeného USB**

Můžete prohlížet fotografie, textové dokumenty, přehrávat hudbu a video soubory nainstalované na připojeném USB zařízení. Zapojte USB paměťové zařízení do jednoho z USB vstupů televizoru. Na hlavní obrazovce přehrávače médií vyberte požadovaný typ média. Na další obrazovce zvýrazněte

název souboru v seznamu dostupných souborů médií a stiskněte tlačítko **OK**. Postupujte podle pokynů na obrazovce a získajte další informace o dalších dostupných funkcích tlačítek dálkového ovladače.

**DŮLEŽITÉ!** Před připojením k televizoru zálohujte soubory na USB paměťových zařízeních. Výrobce nezodpovídá za poškození nebo ztrátu dat. Je možné, že některá USB zařízení (např. MP3 přehrávače) nebo USB HDD/FLASH nebudou s touto TV kompatibilní. TV podporuje FAT32 a NTFS formát disku.

**Poznámka:** Počkejte chvíli před každým připojením a odpojením, protože přehrávač může ještě číst soubory. Nedodržení tohoto pokynu může způsobit fyzické poškození USB přehrávače a USB zařízení. Během přehrávání souboru USB paměť nevytahujte.

#### Z mobilního zařízení přes DMR

Ujistěte se, že vaše mobilní zařízení je připojeno ke stejné síti jako televizor. Spustěte aplikaci **Multi Media Player**. Na hlavní obrazovce přehrávače médií vyberte typ média. Na další obrazovce **modrým** tlačítkem přepněte rozvržení na **Zobrazení seznamu**. Poté stiskněte tlačítko **Back** (Zpět). Mezi možnostmi typů médií se zobrazí možnost **DMR** (Digital Media Renderer). Zvýrazněte možnost **DMR** a stiskněte **OK**. Televizor je připraven přijímat mediální soubor odeslaný z vašeho mobilního zařízení. Na mobilním zařízení otevřete soubor, který chcete sdílet, a klepněte na ikonu sdílení nebo na související možnost z nabídky mobilního zařízení. Zobrazí se dostupná zařízení. Ze seznamu vyberte TV. Název zařízení televizoru je uveden v nabídce Nastavení > Nastavení zařízení > O aplikaci. Pokud je připojení úspěšné navázáno, vybraný soubor média se přehraje / zobrazí na vašem televizoru.

#### Nahrávání na USB

Pro nahrávání programu připojte USB disk zatímco je TV vypnutá. Chcete-li nahrávat HD programy, jako jsou filmy, doporučuje se používat USB pevné disky (HDD). Pokud si přejete, můžete nahrávky ukládat/kopírovat do počítače. Soubory však nebude možno na počítači přehrávat. Nahrávky lze přehrávat pouze pomocí vaší TV. Nahrávání z rádia není podporováno. Není-li rychlost připojeného USB zařízení dostatečná, nahrávání se nemusí podařit a funkce časového posunu nemusí být dostupná. Během nahrávání nevytahujte USB/HDD, může to poškodit připojený disk. Některé streamové bloky se nemusí nahrát kvůli problémům se signálem, z tohoto důvodu může video někdy během přehrávání zmrznout.

#### Okamžité nahrávání

Pro okamžité nahrávání sledovaného programu stiskněte tlačítko **Nahrávání**. Pro zrušení okamžitého stiskněte tlačítko **Stop**. Během režimu nahrávání nelze přepnout na jiný kanál.

#### Nahrávání z časovače

Pomocí nabídky **Seznam plánů** můžete přidat připomenutí nebo nahrát časovače. **Seznam plánů** je přístupný z nabídky **Nahrát** v režimu Live TV. Zvýrazněte možnost **Seznam plánů** a stiskněte **OK**. Zobrazí se dříve nastavené časovače, pokud jsou k dispozici. Když je na obrazovce zobrazena nabídka **Seznam plánů**, stisknutím tlačítka **Nahrávání** přidáte další událost.

Událost do Seznamu plánů **můžete také přidat přímým zadáním z EPG**. Vyvoláte EPG, najedete na událost, kterou chcete nahrávat a stisknete tlačítko **Nahrávání**, zobrazí se tabulka zadání události do Seznamu plánů pro potvrzení či úpravu parametrů události.

#### Sledování nahrávek


Vyberte nabídku **Seznam nahrávek** z nabídky **Nahrát** v režimu Live TV a stiskněte tlačítko **OK**. Ze seznamu vyberte nahranou položku (byla-li dříve nahrána). Stisknutím tlačítka **OK** spustíte sledování. Stisknutím tlačítka **Stop** nebo (Zpět / Návrat) zastavte přehrávání.

**Upozornění :** Při **použití nového paměťového USB** se doporučuje nejprve jej naformátovat pomocí možnosti **Naformátovat** v nabídce **Nahrát > Informace o zařízení** v režimu Live TV. Formátování vymaže všechna data na USB zařízení, a jeho souborový systém bude převeden na FAT32. Ve většině případů budou provozní chyby po formátování odstraněny, ale ztratíte všechna data.

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#### Nastavení znakové sady klávesnice

Pokud při vyhledávání klávesnice na obrazovce zobrazuje nesprávnou znakovou sadu změňte ji takto :

Stisknutím tlačítka **Home**  zobrazte **Domovskou obrazovku** vyberte **Nastavení > Předvolby zařízení > Klávesnice > Nastavení aplikace Gboard > Jazyky**

V nabídce Jazyky je potřeba:

**Vypnout funkci „Použit systémové jazyky“ – Zapnout Alphabet – Vypnout nesprávnou sadu.**

Poté tlačítkem EXIT vystupte z menu .

#### Zahrnuté příslušenství

- Dálkové Ovládání
- Baterie: 2 x AAA
- Příručka pro rychlý start
- Produktový list

#### Přehled funkcí

##### Multi Media Player

Procházejte multimediální obsah uložený na USB zařízeních připojených k televizoru nebo na mobilních zařízeních připojených ke stejné síti jako televizor pomocí aplikace MMP

##### Rozhraní digitálního přijímače

Dekódujte šifrované digitální televizní kanály pomocí modulu CAM a karty, kterou poskytuje poskytovatel služeb digitální televize

##### Nahrávání pomocí USB

Nahrávejte své oblíbené televizní programy

##### Elektronický programový průvodce

Zobrazí plánované digitální televizní programy

##### [CEC]

Ovládá připojené HDMI-CEC kompatibilní audio/video zařízení pomocí ovladače televizoru

##### HbbTV

Přístup k HbbTV službám (jsou-li dostupné)

##### Aplikace

Zajištění přístupu k aplikacím nainstalovaným v televizoru a přidání dalších z tržišť.

##### Google Cast (Chromecast built-in)

Díky vestavěné technologii Google Cast můžete přenášet obsah z mobilního zařízení přímo do televizoru.

##### Hlasové vyhledávání(\*\*)

Hlasové vyhledávání můžete začít pomocí vestavěného mikrofónu dálkového ovladače

**Bluetooth®(\*\*)** Připojte bezdrátovým způsobem k televizoru audio zařízení nebo dálkové ovladače.

##### Ultra HD (UHD)

Váš televizor podporuje režim Ultra HD (Ultra High Definition - známo též pod označením 4K), který poskytuje rozlišení 3840x2160 (4K:2K). To odpovídá 4násobnému rozlišení Full HD televizoru díky zdvojnásobení počtu pixelů Full HD TV, a to jak ve vodorovném, tak ve vertikálním směru. Obsah HD je podporován

prostřednictvím nativních a portálových aplikací, HDMI, vstupů USB a z vysílání DVB-T2 a S2.

##### Vysoký dynamický rozsah (HDR) / Hybridní log-gama (HLG)

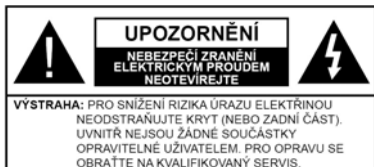
Pomocí této funkce televizor dokáže reprodukovat větší dynamický rozsah světelnosti zachycením a následnou kombinací několika různých expozičních HDR/HLG přináší pohled o dosažení kterého se výrobci filmu snažili, umožňující skryté oblasti tmavých stínů a slunečního světla s plnou jasností, barev a detailů. Obsahy HDR/HLG jsou podporovány prostřednictvím nativních a portálových aplikací, HDMI, vstupů USB a přes vysílání DVB-S. Pokud chcete sledovat obsah HDR/HLG, pokud je obsah HDR/HLG přijímán prostřednictvím HDMI vstupu, nastavte související HDMI vstup jako **EDID 2.0** nebo **Auto EDID** z možnosti **HDMI EDID Version** v nabídce **Nastavení > Nastavení zařízení > Vstupy**. V tomto případě by zdrojové zařízení mělo být také kompatibilní s alespoň HDMI 2.0.

##### Dolby Vision

Dolby Vision™ přináší pozoruhodný vizuální zážitek, úžasný jas, výjimečný kontrast a živé barvy, které vaši zábavě vdechnou život. Tuto skvělou kvalitu obrazu dosahuje využíváním HDR technologie a technologie širokoúhlého barevného zobrazování. Zvýšením jasu původního signálu a použitím vyššího rozsahu dynamiky barev a kontrastu poskytuje Dolby Vision úžasně množství detailů, které jiné technologie postprocessingu ostatních televizorů nedokáží vytvořit. Dolby Vision je podporován prostřednictvím nativních a portálových aplikací, HDMI a USB vstupů. Pokud chcete sledovat obsah Dolby Vision, pokud je obsah Dolby Vision přijímán prostřednictvím HDMI vstupu, nastavte související HDMI vstup jako **EDID 2.0** nebo **Auto EDID** z možnosti **HDMI EDID Version** v nabídce **Nastavení > Nastavení zařízení > Vstupy**. V tomto případě by zdrojové zařízení mělo být také kompatibilní s alespoň HDMI 2.0. Pokud existuje obsah Dolby Vision, budou v menu **Settings > Device Preferences > Picture > Picture Mode** k dispozici dva předdefinované režimy obrazu:

**Dolby Vision Bright** a **Dolby Vision Dark**. Oba umožňují, aby si uživatelé vychutnali obsah tak, jak původně tvůrce zamýšlel s různými okolními světelnými podmínkami. Při sledování obsahu Dolby Vision prostřednictvím aplikace internetového vysílání nebudete mít přístup do nabídky **Obraz** a k nastavení **Režim obrazu**.

## Bezpečnostní informace



Za extrémního počasí (bouře, blesky) a dlouhé období nečinnosti (odjezdu na dovolenou) odpojte televizor od elektrické sítě.

Síťová zástrčka slouží k odpojení TV ze sítě, a proto musí zůstat snadno přístupná.

Pokud televizor není odpojen od elektrické sítě, zařízení stále odebírá energii pro všechny situace, i když je televizor v pohotovostním režimu nebo je vypnutý.

**Poznámka:** Pro obsluhu příslušných funkcí následujte pokyny na obrazovce.

**DŮLEŽITÉ:** Před zahájením instalace a používání si prosím pečlivě přečtěte návod k použití.



### UPOZORNĚNÍ:

Tento přístroj je určen pro použití osobami (včetně dětí), kteří jsou schopni/zkušení provozování takového zařízení bez dozoru, pokud nejsou pod dohledem nebo jim nebyly poskytnuty instrukce týkající se použití přístroje osobou zodpovědnou za jejich bezpečnost.

- Používejte tento televizor v nadmořské výšce menší než 2000 metrů nad mořem, v suchých místech a v oblastech s mírným nebo tropickým podnebím.
- Televizor je určen pro domácí a podobné všeobecné použití, ale může být používán i na veřejných místech.
- Pro zajištění ventilace, kolem televizoru nechte alespoň 5 cm volného prostoru.
- Nezabraňujte větrání zakrytím nebo blokováním větracích otvorů předměty, jako jsou noviny, ubrusy, závěsy atd.
- Síťový kabel by měl být snadno přístupný. Nepokládejte na síťový kabel nábytek, TV nebo jiné věci. Poškozený síťový kabel může způsobit požár, nebo elektrický šok. Kabel odpojujte vytáhnutím za zástrčku, nikoli zatažením za kabel. Nikdy nesahejte na síťový kabel mokřými rukama, může to způsobit zkrat nebo elektrický šok. Nikdy kabel neuzlujte nebo nevažte s jinými kabely. Pokud je kabel poškozený, musí být vyměněn. Toto musí být provedeno kvalifikovanou osobou.
- Nevystavujte televizor kapajícím nebo stříkajícím tekutinám a na nebo pod TV nepokládejte nádoby naplněné tekutinou, jako

jsou například vázy, sklenice atd. (např. na policích nad zařízením).

- Nevystavujte televizor přímému slunečnímu záření nebo neumísťujte zdroje otevřeného ohně, jako jsou zapálené svíčky na vrch nebo do blízkosti televizoru.
- Nepokládejte žádné zdroje tepla elektrické ohříváče, radiátory, atd. do blízkosti televizoru.
- Nestavte televizor na podlahu a šikmé plochy.
- Abyste předešli nebezpečí udušení, igelitové sáčky držte mimo dosah kojenců, dětí a domácích zvířat.
- Opatrně připojte podstavec k televizoru. Pokud je stojan opatřen šrouby, pevně utáhněte šrouby, aby se zabránilo naklánění televizoru. Šrouby příliš nepřetahujte a řádně namontujte i stojanové gumy.
- Nevhazujte baterie do ohně nebo mezi nebezpečné nebo hořlavé materiály.

### UPOZORNĚNÍ:

- Baterie se nesmí vystavovat nadměrné teplotě, jako např. slunci, ohni a podobně.
- Nadměrná hladina zvuku ze sluchátek může způsobit ztrátu sluchu.

**PŘEDEVŠÍM – NIKDY nenechávejte nikoho, především děti, tlačit nebo udeřit na obrazovku, vsunovat něco do děr, konektorů nebo dalších otvorů na televizoru**

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Výstraha                              | Nebezpečí vážného poranění či smrti |
| Nebezpečí zranění elektrickým proudem | Nebezpečí poranění vysokým napětím  |
| Údržba                                | Důležitá součást údržby             |

### Označení na produktu

Následující symboly jsou použity na produktu jako indikátory omezení a bezpečnostní opatření a bezpečnostní pokyny. Každé vysvětlení je platné pouze pro vztahující se místo označení na produktu. Dbejte na tyto informace z bezpečnostních důvodů.



**Produkt ochranné třídy II:** Tento spotřebič je navržen tak, že nevyžaduje bezpečnostní elektrické uzemnění.



**Nebezpečný terminál pod proudem:** Označený(é) terminál(y) je/je/ jsou za normálních provozních podmínek pod proudem životu nebezpečné.

**Pozor, viz Návod k obsluze:** V označeném prostoru se nachází mincové nebo knoflíkové baterie vyměnitelné uživatelem.



**Laserový produkt třídy 1:** Tento produkt obsahuje laserový zdroj Třídy 1, který je bezpečný za rozumné předvídatelných podmínek provozu.





## VAROVÁNÍ

Dejte pozor, ať baterie nespolknete, hrozí nebezpečí chemického popálení. Tento výrobek nebo jeho příslušenství dodávané s výrobkem může obsahovat knoflíkovou / mincovou baterii. Dojde-li k požití baterie, může to způsobit vážné vnitřní popáleniny během 2 hodin a může to vést ke smrti.

Udržujte nové a použité baterie mimo dosah dětí. Pokud část s baterií není možné bezpečně uzavřít, přestaňte výrobek používat a odložte ho mimo dosah dětí. Pokud si myslíte, že baterie byly spolknuty nebo vloženy do jakékoliv části těla, okamžitě vyhledejte lékařskou pomoc.

TV může spadnout a způsobit vážné zranění nebo smrt. Velkému množství zranění, hlavně dětí, je možné se vyhnout jednoduchými opatřeními:

- VŽDY používejte skříňky, podstavce a způsoby montáže doporučené výrobcem tv.
- VŽDY používejte nábytek, který poskytuje bezpečnou oporu pro televizor.
- VŽDY se ujistěte, aby televizor nepřesahoval přes hrany podpůrného nábytku.
- VŽDY učte děti o nebezpečí vylézt na nábytek na televizor nebo na jeho ovládací prvky.
- VŽDY nasměrujte vedení a kabely připojené k televizoru, abyste o ně nemohli zakopnout, protáhnout je nebo zachytit.
- NIKDY nestavte televizor na nestabilní místa.
- NIKDY neumísťte televizor na vysoký nábytek (například skříně a knihovny) bez ukotvení nábytku i televizoru k vhodné podpoře.
- NIKDY neumísťte televizor na tkaniny nebo jiné materiály, které mohou být umístěny mezi televizorem a podpůrným nábytkem.
- NIKDY neumísťte předměty, které by mohly děti lákat, jako jsou hračky a dálkové ovladače, na horní část televizoru nebo nábytek, na který je televizor umístěn.
- Zařízení je vhodné pouze k montáži ve výškách do 2 m.

Při přemístění vašeho současného televizoru byste měli stejně použít výše uvedená opatření.

Přístroj připojený k ochrannému uzemnění instalace budovy prostřednictvím připojení do ELEKTRICKÉ sítě nebo k jinému přístroji s připojením k ochrannému uzemnění a k televiznímu distribučnímu systému pomocí koaxiálního kabelu může za určitých okolností představovat riziko požáru. Napojení na systém televizních rozvodů musí být proto provedeno prostřednictvím zařízení, kterých elektrická izolace spadá do určitého frekvenčního pásma (galvanicky izolátor).

Používání těchto speciálních funkcí ke změně velikosti zobrazovaného obrazu (např. změna poměru výška/šířka) pro účely veřejné produkce nebo komerčního zisku může narušovat autorská práva. Zobrazovací LCD panely jsou vyráběny extrémně přesnou technologií, ovšem někdy se může stát, že na některých místech obrazovky bude chybět část obrazu nebo se budou vyskytovat světlá body. Toto není závada. Přístroj by měl být napájen pouze ze zásuvky se střídavým proudem 220-240 V, 50 Hz. Ujistěte se, že televizor nestojí na elektrickém vedení. Nikdy neodstraňujte zástrčku na kabelu u zařízení, obsahuje speciální filtr radiového rušení, jehož odebrání by mohlo mít vliv na výkon zařízení. Toto lze vyměnit pouze správně ohodnoceným a potvrzeným typem. POKUD MÁTE POCHYBNOSTI, PORADTE SE S KVALIFIKOVANÝM ELEKTRIKÁŘEM.

## UPOZORNĚNÍ PŘI MONTÁŽI NA ZEĎ

- Před montáží televizoru na zeď si přečtěte pokyny.
- Sada pro montáž na stěnu je volitelná. Pokud není součástí dodávky televizoru, můžete ji získat od místního prodejce.
- Neinstalujte televizor na strop nebo na šikmou stěnu.
- Použijte pouze v sadě přiložené šrouby pro montáž na stěnu a další příslušenství.
- Pevně utáhněte šrouby na montáž na stěnu, abyste zabránili pádu televizoru. Šrouby nepřetahujte.

Obrázky a ilustrace v tomto návodu mají pouze informativní charakter a mohou se lišit od skutečného vzhledu výrobku. Design a technické parametry produktu mohou být změněny bez předchozího upozornění.

## Licence

HDMI, HDMI High-Definition Multimedia Interface a HDMI logo jsou registrovanými obchodními známkami HDMI Licensing LLC ve Spojených státech a jiných zemích.



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Google Android, Android TV, Chromecast, Google Play a YouTube jsou ochranné známky společnosti Google LLC.

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DVB je registrovaná ochranná známka DVB Project.

[1] Směrnice EIA/CEA-861-D se týká přenosu nekomprimovaného digitálního videa s High-bandwidth digitální ochranou obsahu, který je standardizován pro příjem high-definition video signálů. Protože to je rozvíjející se technologie, je možné, že některá zařízení nemusí správně s televizorem fungovat.

Tento produkt obsahuje technologie podléhající právům duševního vlastnictví společnosti Microsoft. Použití nebo distribuce této technologie mimo tento produkt je bez příslušné licence(i) od společnosti Microsoft zakázána.

Vlastníci obsahu používají technologii přístupu k obsahu Microsoft PlayReady™ k ochraně svého

duševního vlastnictví, včetně obsahu chráněného autorskými právy. Toto zařízení používá technologii

PlayReady pro přístup k PlayReady-chráněnému obsahu a/nebo k WMDRM-chráněnému obsahu. V případě, že přístroj přestane správně prosazovat omezení týkající se používání obsahu, vlastníci obsahu mohou vyžadovat po společnosti Microsoft odvolání schopnosti zařízení na spotřebu PlayReady-chráněného obsahu. Odvolání by nemělo mít vliv na nechráněný obsah ani obsah chráněný jinými technologiemi. Vlastníci obsahu mohou vyžadovat aktualizaci PlayReady pro přístup k jejich obsahu. Pokud aktualizaci odmítnete, nebudete moci přistupovat k obsahu, který vyžaduje aktualizaci. Logo „CI Plus“ je ochranná známka společnosti CI Plus LLP. Tento produkt je chráněn určitými právy duševního vlastnictví společnosti Microsoft Corporation. Použití nebo distribuce takové technologie mimo tento produkt je bez licence od společnosti Microsoft nebo od autorizované dceřiné společnosti Microsoft zakázáno.

Vlastnosti bezdrátového LAN vysílače

| Rozsah frekvence                | Maximální výkon výstupu |
|---------------------------------|-------------------------|
| 2400 - 2483,5 MHz (CH1-CH13)    | < 100 mW                |
| 5150 - 5250 MHz (CH36 - CH48)   | < 200 mW                |
| 5250 - 5350 MHz (CH52 - CH64)   | < 200 mW                |
| 5470 - 5725 MHz (CH100 - CH140) | < 200 mW                |

Omezení v závislosti na zemi

| Krajina        | Omezení   |
|----------------|---|
| Bulharsko      | Je požadované všeobecné povolení pro venkovní použití a veřejné služby              |
| Itálie         | Pokud se používá mimo vlastních prostor, vyžaduje se všeobecné povolení             |
| Řecko          | Použití uvnitř jen pro pásmo od 5470 MHz do 5725 MHz                                |
| Lucembursko    | Požaduje se všeobecné povolení pro dodávku sítě a služeb (ne pro spektrum)          |
| Norsko         | Rádiový přenos je zakázán pro zeměpisné oblasti v okruhu 20 km od centra Ny-Alesund |
| Ruská federace | Pouze pro vnitřní použití   |
| Izrael         | Pásmo 5 GHz pouze pro rozsah 5180 MHz - 5320 MHz                                    |

Požadavky pro kterékoli země mohou být kdykoli změněny. Doporučuje se, aby uživatel na místních úřadech zkontroloval aktuální stav vnitrostátních právních předpisů pro 5GHz bezdrátové sítě LAN.

## Informace o likvidaci

### Evropská Unie

Tyto symboly označují, že elektrické a elektronické přístroje a baterie s tímto symbolem nesmí být vyhozeny s běžným domácím odpadem na konci jejich životnosti. Místo toho, produkt, stejně jako i baterie by měly být předány na sběrných místech pro recyklaci elektrických a elektronických zařízení, z důvodu správného zpracování, využití a recyklace v souladu s vašimi vnitrostátními právními předpisy a Směrnice 2012/19/EU a 2013/56/EU. Správnou likvidací těchto výrobků pomáháte zachovat přírodní zdroje a zamezit potenciálním negativním vlivům na životní prostředí a lidské zdraví, ke kterým by jinak mohlo dojít následkem nevhodného zacházení s tímto produktem při likvidaci. Pro více informací o sběrných centrech a recyklaci těchto produktů, kontaktujte váš místní úřad, služby pro vyvážení odpadu nebo obchod, ve kterém jste výrobek zakoupili. Za nesprávnou likvidaci tohoto odpadu lze obdržet pokutu v závislosti na státní legislativě.

**Pro podnikatele** Pokud si tento produkt přejete vyhodit do odpadu, kontaktujte svého dodavatele a přečtěte si všeobecné obchodní podmínky kupní smlouvy.

**Další země mimo Evropskou Unii** Tyto symboly jsou platné pouze v Evropské Unii. Pro informace o tom, jak likvidovat a recyklovat, kontaktujte místní úřad. Výrobek i obal odnesete k recyklaci. Některé sběrné přijímají výrobky zdarma.

**Poznámka:** Žnak Pb pod symbolem znamená, že baterie obsahuje olovo

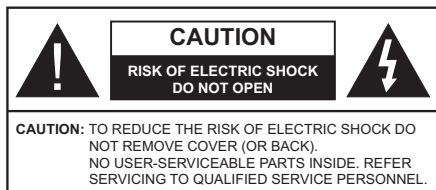


1. Produkty
2. Baterie

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## Safety Information



In extreme weather (storms, lightning) and long inactivity periods (going on holiday) disconnect the TV set from the mains.

The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable. If the TV set is not disconnected electrically from the mains, the device will still draw power for all situations even if the TV is in standby mode or switched off.

**Note:** Follow the on screen instructions for operating the related features.

### IMPORTANT - Please read these instructions fully before installing or operating

**⚠ WARNING:** This device is intended to be used by persons (including children) who are capable / experienced of operating such a device unsupervised, unless they have been given supervision or instruction concerning the use of the device by a person responsible for their safety.

- Use this TV set at an altitude of less than 5000 metres above the sea level, in dry locations and in regions with moderate or tropical climates.
- The TV set is intended for household and similar indoor use but may also be used in public places.
- For ventilation purposes, leave at least 5cm of free space around the TV.
- The ventilation should not be impeded by covering or blocking the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- The power cord/plug should be easily accessible. Do not place the TV, furniture, etc. on the power cord. A damaged power cord/plug can cause fire or give you an electric shock. Handle the power cord by the plug, do not unplug the TV by pulling the power cord. Never touch the power cord/plug with wet hands as this could cause a short circuit or electric shock. Never make a knot in the power cord or tie it with other cords. When damaged it must be replaced, this should only be done by qualified personnel.
- Do not expose the TV to dripping or splashing of liquids and do not place objects filled with liquids, such as vases, cups, etc. on or over the TV (e.g. on shelves above the TV).

- Do not expose the TV to direct sunlight or do not place open flames such as lit candles on the top of or near the TV.
- Do not place any heat sources such as electric heaters, radiators, etc. near the TV set.
- Do not place the TV on the floor or inclined surfaces.
- To avoid danger of suffocation, keep plastic bags out of the reach of babies, children and domestic animals.
- Carefully attach the stand to the TV. If the stand is provided with screws, tighten the screws firmly to prevent the TV from tilting. Do not over-tighten the screws and mount the stand rubbers properly.
- Do not dispose of the batteries in fire or with hazardous or flammable materials.

### WARNING

- Batteries must not be exposed to excessive heat such as sunshine, fire or the like.
- Excessive sound pressure from earphones or headphones can cause hearing loss.

**ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the TV.**

|                        |                                 |
|------------------------|---------------------------------|
| Caution                | Serious injury or death risk    |
| Risk of electric shock | Dangerous voltage risk          |
| Maintenance            | Important maintenance component |

### Markings on the Product

The following symbols are used on the product as a marker for restrictions and precautions and safety instructions. Each explanation shall be considered where the product bears related marking only. Note such information for security reasons.



**Class II Equipment:** This appliance is designed in such a way that it does not require a safety connection to electrical earth.



**Hazardous Live Terminal:** The marked terminal(s) is/are hazardous live under normal operating conditions.



**Caution, See Operating Instructions:** The marked area(s) contain(s) user replaceable coin or button cell batteries.



**Class 1 Laser Product:** This product contains Class 1 laser source that is safe under reasonably foreseeable conditions of operation.

## WARNING

Do not ingest the battery, Chemical Burn Hazard  
This product or the accessories supplied with the product may contain a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

-----  
A television may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the television set.
- ALWAYS use furniture that can safely support the television set.
- ALWAYS ensure the television set is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the television set or its controls.
- ALWAYS route cords and cables connected to your television so they cannot be tripped over, pulled or grabbed.
- NEVER place a television set in an unstable location.
- NEVER place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- NEVER place the television set on cloth or other materials that may be located between the television set and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the television or furniture on which the television is placed.
- The equipment is only suitable for mounting at heights  $\leq 2$  m.

If the existing television set is going to be retained and relocated, the same considerations as above should be applied.

-----  
Apparatus connected to the protective earthing of the building installation through the MAINS connection or through other apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator).

## WALL MOUNTING WARNINGS

- Read the instructions before mounting your TV on the wall.
- The wall mount kit is optional. You can obtain from your local dealer, if not supplied with your TV.
- Do not install the TV on a ceiling or on an inclined wall.
- Use the specified wall mounting screws and other accessories.
- Tighten the wall mounting screws firmly to prevent the TV from falling. Do not over-tighten the screws.

Figures and illustrations in these operating instructions are provided for reference only and may differ from the actual product appearance. Product design and specifications may be changed without notice.

## Introduction

Thank you for choosing our product. You'll soon be enjoying your new TV. Please read these instructions carefully. They contain important information which will help you get the best from your TV and ensure safe and correct installation and operation.

## Accessories Included

- Remote Control
- Batteries: 2 x AAA
- Operating Instructions

## Features

- Remote controlled colour TV
- Android™ operating system
- Google Cast
- Voice Search (optional)
- Fully integrated digital terrestrial/cable/satellite TV (DVB-T-T2/C/S2)
- HDMI inputs to connect other devices with HDMI sockets
- USB input
- Stereo sound system
- Teletext
- Headphone connection
- Automatic programming system
- Manual tuning
- Sleep timer
- On/Off timer
- Switch off timer
- Picture off function
- No signal auto power off function
- Ethernet (LAN) for Internet connectivity and service
- 802.11 a/b/g/n/ac built in WLAN Support
- HbbTV

## Ultra HD (UHD)

The TV supports Ultra HD (Ultra High Definition - also known as 4K) which provides resolution of 3840 x 2160 (4K:2K). It equals 4 times the resolution of Full HD TV by doubling the pixel count of the Full HD TV both horizontally and vertically. Ultra HD content is supported via native and market applications, HDMI, some of the Over-the-Top (OTT) services, USB inputs and over DVB-T2 and DVB-S2 broadcasts.

## High Dynamic Range (HDR) / Hybrid Log-Gamma (HLG)

Using this feature the TV can reproduce greater dynamic range of luminosity by capturing and then combining several different exposures. HDR/HLG promises better picture quality thanks to brighter, more realistic highlights, more realistic colour and other improvements. It delivers the look that filmmakers intended to achieve, showing the hidden areas of dark shadows and sunlight with full clarity, colour and detail. HDR/HLG content is supported via native and market applications, HDMI, USB inputs and over DVB-S broadcasts. When the input source is set to the related HDMI input press the **Menu** button and set the **HDMI EDID Version** option in the **TV Options>Settings>Device Preferences>Inputs** menu as **EDID 2.0** or **Auto EDID** in order to watch HDR/HLG content, if the HDR/HLG content is received through an HDMI input. The source device should also be at least HDMI 2.0a compatible in this case.

## Dolby Vision

Dolby Vision™ delivers a dramatic visual experience, astonishing brightness, exceptional contrast, and vivid colour, that brings entertainment to life. It achieves this stunning image quality by combining HDR and wide colour gamut imaging technologies. By increasing the brightness of the original signal and using a higher dynamic colour and contrast range, Dolby Vision presents amazing true-to-life images with stunning detail that other post-processing technologies in the TV aren't able to produce. Dolby Vision is supported via native and market applications, HDMI and USB inputs. When the input source is set to the related HDMI input press the **Menu** button and set the **HDMI EDID Version** option in the **TV Options>Settings>Device Preferences>Inputs** menu as **EDID 2.0** or **Auto EDID** in order to watch Dolby Vision content, if the Dolby Vision content is received through an HDMI input. The source device should also be at least HDMI 2.0a compatible in this case. In the **Picture Mode** menu three predefined picture modes will be available if Dolby Vision content is detected: **Dolby Vision Bright**, **Dolby Vision Dark** and **Dolby Vision Vivid**. All allow the user to experience the content in the way the creator originally intended with different ambient lighting conditions. To change the **Picture Mode** setting press the **Menu** button while watching the Dolby Vision content and go to **Picture** menu. While watching Dolby Vision Content via an application, except YouTube, Netflix and Multi Media Player, you will not be able to access the **Picture** menu and set the **Picture Mode**.

## Stand Installation & Wall Mounting

### Assembling / Removing the pedestal

#### Preparations

Take out the pedestal(s) and the TV from the packing case and put the TV onto a work table with the screen panel down on a clean and soft cloth (blanket, etc.).

- Use a flat and firm table bigger than the TV.
- Do not hold the screen panel part.
- Make sure not to scratch or break the TV.

#### Assembling the pedestal

1. Place the pedestal(s) on the mounting pattern(s) on the rear side of the TV.
2. Insert the screws provided and tighten them gently until the pedestal(s) is/are properly fitted.

#### Removing the pedestal from the TV

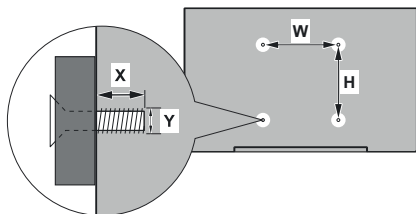
Be sure to remove the pedestal in the following way when using the wall mount bracket or repacking the TV.

- Put the TV onto a work table with the screen panel down on a clean and soft cloth. Leave the pedestal(s) protruding over the edge of the surface.
- Unscrew the screws that fix the pedestal(s).
- Remove the pedestal(s).

#### When using the wall mount bracket

Your TV is also prepared for a VESA-compliant wall mount bracket. If it is not supplied with your TV, contact your local dealer to purchase the recommended wall mount bracket.

Holes and measurements for the wall mount bracket installation;



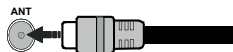
#### VESA WALL MOUNT MEASUREMENTS

| Hole Pattern Sizes (mm) | W         | H   |
|-------------------------|-----------|-----|
|                         | 100       | 100 |
| Screw Sizes             |           |     |
| Length (X)              | min. (mm) | 7   |
|                         | max. (mm) | 8   |
| Thread (Y)              | M4        |     |

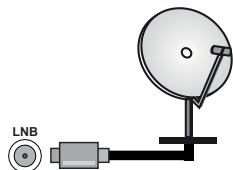
## Antenna Connection

Connect the aerial or cable TV plug to the AERIAL INPUT (ANT) socket located on the left side of the TV or satellite plug to the SATELLITE INPUT (LNB) socket located on the rear side of the TV.

### Left side of the TV



### Rear side of the TV










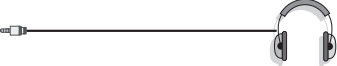










If you want to connect a device to the TV, make sure that both the TV and the device are turned off before making any connection. After the connection is done, you can turn on the units and use them.



## Other Connections



If you want to connect a device to the TV, make sure that both the TV and the device are turned off before making any connection. After the connection is done, you can turn on the units and use them.

| Connector   | Type                                  | Cables  | Device  |
|---|---------------------------------------|---|---|
|  | HDMI Connection (back&side)           |                          |  |
|   | SPDIF (Optical Out) Connection (back) |                          |  |
|   | Headphone Connection (back)           |                          |  |
|  | USB Connection (side)                 |                          |  |
|   | CI Connection (side)                  |                          |  |
|   | Ethernet Connection (back)            | <br>LAN / Ethernet Cable |  |

When using the wall mounting kit (contact your dealer to purchase one, if not supplied), we recommend that you plug all your cables into the back of the TV before mounting on the wall. Insert or remove the CI module only when the TV is SWITCHED OFF. You should refer to the module instruction manual for details of the settings. The USB inputs on the TV support devices up to 500mA. Connecting devices that have current value above 500mA may damage your TV. When connecting equipment using a HDMI cable to your TV, to guarantee sufficient immunity against parasitic frequency radiation and trouble-free transmission of high definition signals, such as 4K content, you have to use a high speed shielded (high grade) HDMI cable with ferrites.

## Turning On/Off the TV

### Connect power

**IMPORTANT:** The TV set is designed to operate on 220-240V AC, 50 Hz socket.

After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.

Plug the power cord to the mains socket outlet. The TV will switch on automatically.

### To switch on the TV from standby

If the TV is in standby mode the standby LED lights up. To switch on the TV from standby mode either:

- Press the **Standby** button on the remote control.
- Press the control button on the TV.

The TV will then switch on.

### To switch the TV into standby

The TV cannot be switched into standby mode via control button. Press and hold the **Standby** button on the remote control. **Power** dialogue will appear on the screen. Highlight **OK** and press the **OK** button. The TV will switch into standby mode.

### To switch off the TV

To power down the TV completely, unplug the power cord from the mains socket.

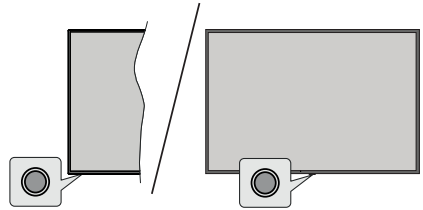
### Quick Standby Mode

In order to switch the TV into quick standby mode either;

- Press the **Standby** button on the remote.  
Press again to go back to operating mode.
- Press the control button on the TV.  
Press the control button again to go back to operating mode.

Your TV continues to operate in the quick standby mode state, as it regularly checks for updates. This is not a malfunction, it meets the requirements for energy consumption. In order to minimise energy consumption switch your TV into standby mode as explained above.

## TV Control & Operation



The control button allows you to control the Quick Standby-On function of the TV.

**Note:** The position of the control button may differ depending on the model.

**To turn the TV off (Quick Standby):** Press the control button to turn the TV into quick standby mode.

**To turn the TV off (Standby):** The TV cannot be switched into standby mode via control button.

**To turn on the TV:** Press the control button, the TV will turn on.

**Note:** Live TV settings menu OSD in Live TV mode cannot be displayed via the control button.

### Operation with the Remote Control

Press the **Menu** button on your remote control to display Live TV settings menu when in Live TV mode. Press **Home** button to display or return to the Home Screen of the Android TV. Use the directional buttons to move the focus, proceed, adjust some settings and press **OK** to make selections in order to make changes, set your preferences, enter a sub-menu, launch an application, etc. Press **Back/Return** to return to the previous menu screen.

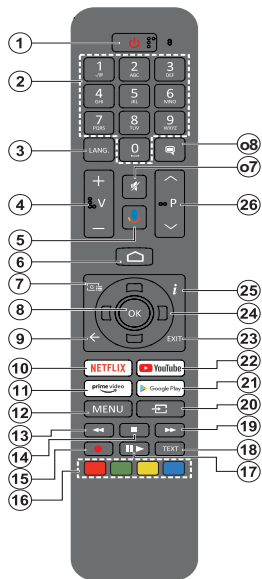
### Input Selection

Once you have connected external systems to your TV, you can switch to different input sources. Press the **Source** button on your remote control consecutively or use the directional buttons and then press the **OK** button to switch to different sources when in Live TV mode. Or enter the **Inputs** menu on the Home Screen, select the desired source from the list and press **OK**.

### Changing Channels and Volume

You can adjust the volume by using the **Volume +/-** buttons and change the channel in Live TV mode by using the **Programme +/-** buttons on the remote.

# Remote Control



1. **Standby:** Quick Standby / Standby / On
2. **Numeric buttons:** Switches the channel in Live TV mode, enters a number or a letter in the text box on the screen
3. **Language:** Switches among sound modes (analogue TV), displays and changes audio language (digital TV, where available)
4. **Volume +/-**
5. **Microphone:** Activates the microphone on the remote
6. **Home:** Opens the Home Screen
7. **Guide:** Displays the electronic programme guide in Live TV mode
8. **OK:** Confirms selections, enters sub-menus, views channel list (in Live TV mode)
9. **Back/Return:** Returns to previous menu screen, goes one step back, closes open windows, closes teletext (in Live TV-Teletext mode)
10. **Netflix:** Launches the Netflix application
11. **Prime Video:** Launches the Amazon Prime Video application
12. **Menu:** Displays Live TV Settings menu (in Live TV mode), displays available setting options such as sound and picture
13. **Rewind:** Moves frames backwards in media such as movies
14. **Stop:** Stops the media being played
15. **Record:** Records programmes in Live TV mode
16. **Coloured Buttons:** Follow the on-screen instructions for coloured button functions
17. **Pause:** Pauses the media being played, starts timeshift recording in Live TV mode  
**Play:** Starts to play selected media
18. **Text:** Opens and closes teletext (where available in Live TV mode)
19. **Fast forward:** Moves frames forward in media such as movies
20. **Source:** Shows all available broadcast and content sources, is also used in pairing process of the remote.
21. **Google Play:** Launches the Google Play Store application
22. **YouTube:** Launches the YouTube application
23. **Exit:** Closes and exits from Live TV Settings menus, closes the Home Screen, exits from any running application or menu or OSD banner, switches to last set source
24. **Directional buttons:** Navigates menus, setting options, moves the focus or cursor, etc. sets record time and displays the subpages in Live TV-Teletext mode when pressed Right or Left. Follow the on-screen instructions.
25. **Info:** Displays information about on-screen content
26. **Programme +/-:** Increases/Decreases channel number in Live TV mode
27. **Mute:** Completely turns off the volume of the TV
28. **Subtitles:** Turns subtitles on and off (where available)

## Inserting the Batteries into the Remote

The remote may have a screw that secures the battery compartment cover onto the remote control (or this may be in a separate bag). Remove the screw, if the cover is screwed on previously. Then remove the battery compartment cover to reveal the battery compartment. Insert two 1.5V - size **AAA** batteries. Make sure the (+) and (-) signs match (observing correct polarity). Do not mix old and new batteries. Replace only with same or equivalent type. Place the cover back on. Secure the cover again with the screw, if any.

## To pair remote with the TV

When the TV is turned on for the first time, a search for accessories will be performed after the initial setup starts. You will need to pair your remote control with your TV at this point.

Press and hold the **Source** button on the remote until the LED on the remote starts to blink, then release the **Source** button. That means the remote is in pairing mode.

Now you will wait for the TV to find your remote. Select the name of your remote and press **OK** when it appears on the TV screen.

When the pairing process is successful, the LED on the remote will go off. If the pairing process fails the remote will enter sleep mode after 30 seconds.

In order to pair your remote later on, you can go to **Settings** menu, highlight **Remotes & Accessories** option and press **OK** to start a search for accessories.

## Standby Button

Press and hold the **Standby** button on the remote control. **P** **wer** **ff** dialogue will appear on the screen. Highlight **OK** and press the **OK** button. The TV will switch into standby mode. Press briefly and release to switch the TV into quick standby mode or to switch on the TV when in quick standby or standby mode.

# Initial Setup Wizard

**Note:** Follow the on-screen instructions to complete the initial setup process. Use the directional buttons and the **OK** button on the remote to select, set, confirm and proceed.

When turned on for the first time, a welcome screen will be displayed. Select your language and press **OK**. Follow the on-screen instructions to setup your TV and install channels. The installation wizard will guide you through the setup process. You can perform initial setup anytime using the **Factory reset** option in the **Settings>Device Preferences>About** menu. You can access the **Settings** menu from the Home screen or from the **TV options** menu in Live TV mode.

## 1. Welcome Message and Language Selection

"Welcome" message will be displayed along with the language selection options listed on the screen. Select the desired language from the list and press **OK** to continue.

## 2. Region/Country

In the next step select your region or country from the list and press **OK** to continue.

## 3. Initial Setup

After the region/country selection you can start the initial setup wizard. Highlight **Continue** and press **OK** to proceed. You will not be able to go back and change the language and region/country once you proceed. If you need to change your language or region/country selection after this step, you will have to switch the TV into standby mode so the setup process starts from the beginning when you next switch on the TV. In order to do this, press and hold the **Standby** button. A dialogue will be displayed. Highlight **OK** and press **OK**.

## 4. Search for accessories

A search for accessories will be performed after the initial setup has started. Follow the on-screen instructions to pair your remote control (depends on the model of the remote control) and other wireless accessories with your TV. Press **Back/Return** button to end adding accessories and proceed.

## 5. Quick Setup

If you didn't priorly connect your TV to the Internet via Ethernet a screen will be displayed where you can transfer your Android phone's WLAN network and Google Account to your TV. Highlight **Continue** and press **OK** to proceed. Follow the on-screen instructions on your TV and your phone to complete the process. You can also skip this step by selecting **Skip** option. Some steps may be skipped depending on the settings made in this step.

If you did priorly connect your TV to the Internet via Ethernet a message will be displayed stating that you are connected. You can choose to continue with wired connection or change the network. Highlight **Change**

**network** and press **OK** if you want to use wireless connection instead of wired connection.

## 6. Network Connection

You will be directed to the next step automatically, if you connect your TV to the Internet via Ethernet at this point. If not, available wireless networks will be searched and listed on the next screen. Select your WLAN network from the list and press **OK** to connect. Enter the password using the virtual keyboard if the network is password protected. Select the **Other network** option from the list, if the network that you want to connect has hidden SSID.

If you prefer not to connect to the Internet at this point you can skip this step by selecting **Skip** option. You can connect to the Internet later using the **Network & Internet** menu options in the **Settings** menu from the Home Screen or from the **TV options** menu in Live TV mode.

This step will be skipped if internet connection has been established in the previous step.

## 7. Network Privacy Policy

Network Privacy Policy screen will be displayed next. Read the related explanations displayed on the screen. You can use Up and Down directional buttons to scroll through and read the entire text. Highlight **Accept** and press **OK** on the remote to confirm and proceed. You can change this setting later using **Network Privacy Policy** option in the **Settings>Network & Internet** menu.

This step will be skipped if no internet connection has been established in the previous step.

## 8. Sign in to your Google account

If connection succeeds, you can sign in to your Google account on the next screen. You need to be signed in to a Google account in order to use Google services. This step will be skipped if no internet connection has been established in the previous step or if you already signed in to your Google account in Quick Setup step.

By signing in, you will be able to discover new apps for videos, music and games on Google Play; get personalised recommendations from apps like YouTube; buy or rent the newest movies and shows on Google Play Movies & TV; access your entertainment and control your media. Highlight **Sign In** and press **OK** to proceed. You can sign in to your Google account by entering your e-mail address or phone number and your password, or create a new account.

If you prefer not to sign in to your Google account at this point you can skip this step by selecting **Skip** option.

## 9. Terms of Service

Terms of Service screen will be displayed next. By continuing, you will agree to the Google Terms of Service, the Google Privacy Policy and the Google Play Terms of Service. Highlight **Accept** and press

**OK** on the remote to confirm and proceed. You can also view **Terms of Service**, **Privacy Policy** and **Play Terms of Service** on this screen. To display the content an internet connection is needed. A message will be displayed mentioning the web site address on which this information can also be viewed, in case internet access is not available.

## 10. Google Services

Select each to learn more about each service, such as how to turn it on or off later. Data will be used according to Google's Privacy Policy. Highlight **Accept** and press **OK** to confirm your selection of these Google services settings.

### Use location

You can allow or disallow Google and third party apps to use your TV's location information. Highlight **Use location** and press **OK** to view detailed information and turn this feature on or off. You can change this setting later using **Location status** option in the **Settings>Device Preferences>Location** menu.

### Help improve Android

Automatically send diagnostic information to Google, like crash reports and usage data from your device and apps. This information won't be used to identify you. Highlight **Help improve Android** and press **OK** to view detailed information and turn this feature on or off. You can change this setting later using the **Settings>Device Preferences>Usage & Diagnostics** menu.

### Services and your privacy

Google Assistant sends services you talk to a unique code. That way, services can remember things like your preferences during conversations. You can view, manage and reset the data sent to services on each service's page in the Explore section of the Assistant mobile app. Learn more at [g.co/assistant/idreset](http://g.co/assistant/idreset).

Information on Google services and some features of your TV will be displayed next. If you have signed in to your Google account in the previous steps, you can also turn on personal results for Assistant by choosing the related option when prompted. Press **OK** consecutively to proceed.

## 11. Password

Depending on the country selection you made in the earlier steps, you may be asked to define a 4-digit password (PIN) at this point. Press **OK** to proceed. The selected PIN cannot be '0000'. This PIN will be required in order to access some menus, content or to release locked channels, sources, etc. You will have to enter it if you are asked to enter a PIN for any menu operation later.

## 12. Select TV Mode

In the following step of the initial setup, you can set the TV's operation mode either as **Home** or as **Store**. **Store** option will configure your TV's settings for store

environment. This option is intended only for store use. It is recommended to select **Home** for home use.

## 13. Chromecast built-in always available

Select your chromecast availability preference. If set as **On** your TV will be detected as a Google Cast device and allow Google Assistant and other services to wake your TV up to respond to Cast commands, even when on standby mode and the screen is off.

## 14. Tuner Mode

The next step is the selection of the tuner mode. Select your tuner preference to install channels for Live TV function. **Antenna**, **Cable** and **Satellite** options are available. Highlight the option that corresponds to your environment and press **OK** or **Right** directional button to proceed. If you don't want to perform a tuner scan highlight **Skip** and press **OK**.

When the channel scan with the selected tuner is completed, the installation wizard will bring you back to this step. In case you want to continue scanning channels with another tuner, you can proceed as explained below.

### Antenna

If **Antenna** option is selected, you can choose to search for digital terrestrial and analogue broadcasts. On the next screen highlight the option you prefer and press **OK** to start the search or select **Skip Scan** to continue without performing a search.

*Note: If the country selected does not have analogue broadcasts, analogue channels may not be searched.*

### Cable

If **Cable** option is selected, you can choose to search for digital cable and analogue broadcasts. If any, available operator options will be listed on the **Select Operator** screen. Otherwise this step will be skipped. You can select only one operator from the list. Highlight the desired operator and press **OK** or the **Right** directional button to proceed. On the next screen highlight the option you prefer and press **OK** to start the search or select **Skip Scan** to continue without performing a search. If one of the digital channel search options is selected a configuration screen will be displayed next. **Scan Mode**, **Frequency (KHz)**, **Modulation**, **Symbol Rate (Ksym/s)**, **Network ID** options may need to be set. To perform a full scan set the **Scan Mode** as **Full** or **Advanced** if available. Depending on the selected operator and/or **Scan Mode** some options may not be available to be set.

*Note: If the country selected does not have analogue broadcasts, analogue channels may not be searched.*

Once you are done with setting available options, press the **Right** directional button to proceed. The TV will start to search available broadcasts.

### Satellite

If **Satellite** option is selected, **Antenna Type** screen will be displayed next. If you have a Direct satellite system, you can proceed to the next step quickly by selecting the **Next** option here. Highlight **More** and press **OK** to set the antenna type manually. **Single**, **Tone Burst**, **DiSEqC** and **Unicable** options are available. Highlight the antenna type that corresponds to your satellite system and press **OK** or the **Right** directional button to proceed to the next step.

Next screen will be **Select Operator** screen. You can select only one operator from the list. Highlight the desired operator and press **OK** or the **Right** directional button to proceed. Some of the options in the following steps may be preset and/or additional steps may be added or some steps may be skipped depending on the selected operator in this step. Check the parameters in each step before proceeding and adjust if necessary. You can highlight **General** and press **OK** or **Right** directional button to proceed with normal satellite installation.

**LNB List** screen will be displayed next. You may be able to set up different satellites depending on the selected country, antenna type and operator in the previous steps. Highlight the desired satellite option and press **OK** or the **Right** directional button to set the parameters. The **Satellite Status** of the first satellite option will be set as **On**. In order to enable channel scan on the satellite, this option should be set as **On** first.

Following satellite parameters will be available. You may not be able to change all settings depending on the previous selections.

**Satellite Status:** Set the status option to **On** to enable channel search on the selected satellite. Highlight this option and press **OK** to change the status.

**Satellite Selection:** Select the satellite on which you want to perform a channel search.

**Scan Mode:** Set your scan mode preference. **Full** and **Network** options will be available. If you are going to perform a network scan, make sure that you have adjusted the **Frequency**, **Symbol Rate (Ksym/s)** and **Polarisation** parameters under the **Transponder** option accurately.

**Scan Type:** You can perform a scan for free or encrypted channels only. If the **Free** option is selected encrypted channels will not be installed. Select **All** to scan all channels.

**Store Type:** You can select to store TV channels (referred to as 'Digital Channels' in the menu) or radio channels only. Select **All** to store all channels.

**Transponder:** Adjust the **Frequency**, **Symbol Rate (Ksym/s)** and **Polarisation** parameters for the selected satellite if necessary.

**LNB C nfigurati ns:** Set the parameters for LNB. For DiSEqC antenna type select the correct DiSEqC port corresponding to your satellite system. Set other parameters in accordance with your satellite system if necessary.

**Signal Quality:** The signal quality status is displayed as a percentage.

**Signal Level:** The signal level status is displayed as a percentage.

Press the **Back/Return** button and select next satellite you want to set. After you completed the configuration changes, highlight **Next** on the **LNB List** screen and press **OK** or **Right** directional button to proceed.

If **Load Preset List** option is selected in the previous step next steps will be skipped and the preset channel list installation will start. If the correct satellite has not been selected for SatcoDX installation, a warning dialogue will be displayed on the screen. The satellite/s that can be selected will be listed. Press **OK** to close the dialogue and then set the satellite accordingly.

**Channel Scan** screen will be displayed next. Select **Skip Scan** to proceed without performing a scan and complete the initial setup. Select **Only digital channels** and press **OK** or the **Right** directional button to start the search. While the search continues you can press the **Back/Return** button, highlight **Skip Scan** and press **OK** or **Right** directional button to stop the search. The channels that have already been found will be stored in the channel list.

When the initial setup is completed a message will be displayed. Press **OK** to finish the setup.

You will be asked to give your consent to the collection of your data. Read the text on the screen for detailed information. Highlight **Accept** and press **OK** to give your consent and proceed. To skip without giving your consent, select **Skip**. You can change this setting later using the **Settings>Device Preferences>Manufacturer Usage & Diagnostics** menu.

Home Screen will be displayed. You can press the **Exit** button on the remote to switch to Live TV mode and watch TV channels.

## Home Screen

To enjoy the benefits of your Android TV, your TV must be connected to the Internet. Connect the TV to a home network with a high-speed Internet connection. You can connect your TV wirelessly or wired to your modem/router. Refer to the **Network & Internet** and **Connecting to the Internet** sections for further information on how to connect your TV to the Internet.

The Home menu is the centre of your TV. From the Home menu, you can start any application, switch to a TV channel, watch a movie, or switch to a connected device. Press the **Home** button to display Home

Screen. You can also select the **Android TV Home** option from the **Inputs** menu to switch to Home Screen. To open the **Inputs** menu, press the **Source** button on the remote or press the **Menu** button on the remote when the TV is in Live TV mode, highlight the **Source** option in the **TV options** menu, and press **OK**. Depending on your TV setup and your country selection in the initial setup, the Home menu may contain different items.

The available options of the Home Screen are positioned in rows. To navigate through the Home Screen options use the directional buttons on the remote. Apps, YouTube, Google Play Movies & TV, Google Play Music and Google Play related rows and rows of the applications you have installed might be available. Select a row then move the focus to the desired item in the row. Press **OK** button to make a selection or to enter a sub-menu.

On the upper left of the screen, search tools will be located. You can choose either to type a word to start a search via the virtual keyboard or try voice search option if your remote has a built-in microphone. Move the focus to the desired option and press **OK** to proceed.

On the upper right of the screen, **Notification**s, **Inputs**, **Network & Internet** (will be named as **Connected** or **Not Connected** according to the current connection status), **Settings** and the current time will be displayed. You can configure your date and time preferences using the **Date & Time** menu options from the **Settings>Device Preferences** menu.

First row will be the **Apps** row. **Live TV** and **Multi Media Player** apps will be available alongside with other favourite apps. If not, highlight **Add app to favourites** option (plus sign) on the **Apps** row and press **OK**. Then select the app you want to add and press **OK**. Repeat this procedure for each app. Highlight **Live TV** and press **OK** or press the **Exit** button on the remote to switch to Live TV mode. If the source was set to an option other than **Antenna**, **Cable**, **Satellite** or **ATV** previously, press the **Source** button and set one of these options to watch live TV channels. Highlight **Multi Media Player** and press **OK** to browse the connected USB devices and play/display the installed media content on the TV. The audio can be played through the speakers of the TV or through the speaker systems connected to the TV. To browse the Internet, you will need an internet browser application. Make a search or launch the Google Play Store app, find a browser and download it.

For some countries, the Home Screen will be organised into several tabs. **Home**, **Discover** and **Apps** tabs will be available. You can scroll through the tabs using the directional buttons. Each tab will have a featured content row at the top. In the **Home** tab, there will be rows for favourite apps, recent Live TV programmes

and recommendations from streaming apps. In the **Discover** tab recommendations from streaming services will be displayed. In the **Apps** tab, all the apps installed on your TV will be displayed and you can install more from Play Store using the related option. Depending on your TV setup and your country selection in the initial setup, the tabs on the Home Screen may contain different items.

## Live TV Mode Menu Content

Switch the TV to Live TV mode first and then press the **Menu** button on the remote to see Live TV menu options. To switch to Live TV mode you can either press the **Exit** button or highlight the **Live TV** app from the **Apps** row on the Home Screen and press **OK**. For some countries, the **Live TV** app will be situated in the **Home** tab on the Home Screen and the row with this app will be named as **Favourite Apps**.

## Channels

**Programme Guide:** Open the electronic programme guide. Refer to the **Programme Guide** section for detailed information.

**Channel Export/Import:** Export this TV's satellite channel list data to a connected USB storage device, or import a previously exported data from a connected USB storage device to this TV. The **Channel Export** and **Channel Import** options will be available. Connect a USB storage device (\*) to the TV, highlight the option you want to continue with and press **OK**. The **Channel Export/Import** option will not be available if the input source is not set to **Satellite**.

(\*) *The USB storage device must be formatted with the FAT32 file system.*

**Channel:** Open the **Channel** menu. You can use the **Channels** menu options to search for broadcast channels. Refer to the **Channel** section for more information.

## TV Options

**Source:** Display the list of input sources. Select the desired one and press **OK** to switch to that source.

**Picture:** Open the **Picture** menu. Refer to **Device Preferences** section for detailed information.

**Sound:** Open the **Sound** menu. Refer to **Device Preferences** section for detailed information.

### Power

**Sleep Timer:** Define a time after which you want your TV to enter sleep mode automatically. Set as **Off** to disable.

**Picture off:** Select this option and press **OK** to turn the screen off. Press a button on the remote or on the TV to turn the screen on again. Note that you can not turn the screen on via the **Volume +/-**,



**Mute and Standby** buttons. These buttons will function normally.

**N Signal Aut Power Off:** Set the behaviour of the TV, when no signal is detected from the currently set input source. Define a time after which you want your TV to turn itself off or set as **Off** to disable.

**Auto Sleep:** Define an idle time after which you want your TV to enter sleep mode automatically. **4 Hours, 6 Hours and 8 Hours** options are available. Set as **Never** to disable.

**CI Card:** Display available menu options of the CI card in use. This item may not be available depending on the input source setting.

### Advanced Options

The options of this menu may change and/or appear as greyed out depending on the selected input source.

**Audio Channel:** Set your **Audio Channel** preference.

**Audio Language:** Set your language preference for audio. This item may not be available depending on the input source setting.

**2nd Audio Language:** Set one of the listed language options as second audio language preference.

**Sound Tracks:** Set your sound track preference, if any available.

**Blue Mute:** Turn this function on/off according to your preference. When turned on, blue background will be displayed on the screen when no signal is available.

**Default Channel:** Set your default startup channel preference. When the **Select Mode** is set as **User Select, Show Channels** option will become available. Highlight and press **OK** to see channel list. Highlight a channel and press **OK** to make a selection. Selected channel will be displayed, every time the TV is turned back on from any standby mode. If the **Select Mode** is set as **Last Status**, the last watched channel will be displayed.

**Interaction Channel:** Turn the Interaction Channel function on or off. This feature is useful in the UK and Ireland only.

**MHEG PIN Protection:** Turn the MHEG PIN protection function on or off. This setting enables or disables access some of the MHEG applications. Disabled applications can be released by entering the right PIN. This feature is useful in the UK and Ireland only.

### HBBTV Settings

**HBBTV Support:** Turn the HBBTV function on or off.

**Do Not Track:** Set your preference regarding the tracking behaviour for HBBTV services.

**Cookie Settings:** Set your cookie setting preference for HBBTV services.

**Persistent Storage:** Turn the Persistent Storage function on or off. If set as **On** cookies will be stored with an expiry date in the persistent memory of the TV.

**Block Tracking Sites:** Turn the Block Tracking Sites function on or off.

**Device ID:** Turn the Device ID function on or off.

**Reset Device ID:** Reset the device ID for HBBTV services. Confirmation dialogue will be displayed. Press **OK** to proceed, **Back** to cancel.

### Subtitle

**Analogue Subtitle:** Set this option as **Off, On** or **Mute**. If **Mute** option is selected, the analogue subtitle will be displayed on the screen but the speakers will be muted simultaneously.

**Digital Subtitle:** Set this option as **Off** or **On**.

**Subtitle Tracks:** Set your subtitle track preference, if any available.

**Digital Subtitle Language:** Set one of the listed language options as first digital subtitle language preference.

**2nd Digital Subtitle Language:** Set one of the listed language options as second digital subtitle language preference. If the selected language in the **Digital Subtitle Language** option is not available, the subtitles will be displayed in this language.

**Subtitle Type:** Set this option as **Normal** or **Hearing Impaired**. If **Hearing Impaired** option is selected, it provides subtitle services to deaf and hard of hearing viewers with additional descriptions.

### Teletext

**Digital Teletext Language:** Set the teletext language for digital broadcasts.

**Decoding Page Language:** Set the decoding page language for teletext display.

**BISS Key:** “**Click To Add Biss Key**” message will be displayed. Press **OK** button to add a biss key. **Frequency, Symbol Rate (KSym/s), Polarisation, Programme ID** and **CW Key** parameters will be available to be set. Once you are done with the settings highlight **Save Key** and press **OK** to save and add the biss key. This option will not be available if the input source is not set as **Satellite**. Available options will differ depending on the selected country during the initial setup process.

**System Information:** Display detailed system information on the current channel such as **Signal Level, Signal Quality, Frequency**, etc.



## Record

**Record List:** The recordings will be displayed if any available. Highlight a recording of your choice and press the **Yellow** button to delete it or press the **Blue** button to view detailed information. You can use **Red** and **Green** buttons to scroll the page up and down.

**Device Info:** Connected USB storage devices will be displayed. Highlight the device of your choice and press **OK** to see available options.

**Set TimeShift:** Tag the selected USB storage device or a partition on it for time shift recording.

**Set PVR:** Tag the selected USB storage device or a partition on it for PVR.

**Format:** Format the selected USB storage device. Refer to **USB Recording** section for more information

**Speed Test:** Start a speed test for the selected USB storage device. The test result will be displayed when completed.

**Schedule List:** Add reminders or record timers using the **Schedule List** menu.

**Time Shift Mode:** Enable or disable timeshift recording feature. Refer to **USB Recording** section for more information.

## Settings

You can access the **Settings** menu from the Home Screen or from the **TV options** menu in Live TV mode.

### Network & Internet

You can configure your TV's network settings using the options of this menu. You can also highlight the Connected/Not Connected icon on the Home screen and press **OK** to access this menu.

**Network Privacy Policy:** Display network privacy policy. You can use Up and Down directional buttons to scroll through and read the entire text. Highlight **Accept** and press **OK** to give your consent.

**Wi-Fi:** Turn the wireless LAN (WLAN) function on and off.

#### Available networks

When the WLAN function is turned on, available wireless networks will be listed. Highlight **See all** and press **OK** to see all networks. Select one and press **OK** to connect. You may be asked to enter a password to connect to the selected network, in case the network is password protected. Additionally you can add new networks by using the related options.

#### Other options

**Add new network:** Add networks with hidden SSID's.

**Scanning always available:** You can let the location service and other apps scan for networks, even when WLAN function is turned off. Press **OK** to turn it on and off.

**Wow:** Turn this function on and off. This function allows you to turn on or awaken your TV via wireless network.

**Wol:** Turn this function on and off. This function allows you to turn on or awaken your TV via network.

## Ethernet

**Connected/Not connected:** Displays the status of the internet connection via Ethernet, IP and MAC addresses.

**Proxy settings:** Set a HTTP proxy for browser manually. This proxy may not be used by other apps.

**IP settings:** Configure your TV's IP settings.

## Channel

The content of this menu may change depending on the selected input source and whether the channel installation is completed.

### Channels

Options of this menu may change or become inactive depending on the input source and on the **Channel Installation Mode** selection.

#### Input Source - Antenna

**Channel Scan:** Start a scan for digital terrestrial channels. You can press the **Back/Return** button to cancel the scan. The channels that have already been found will be stored in the channel list.

**Update Scan:** Search for updates. Previously added channels will not be deleted, but any newly found channels will be stored in the channel list.

**Single RF Scan:** Select the **RF Channel** by using the Right/Left directional buttons. **Signal Level** and **Signal Quality** of the selected channel will be shown. Press **OK** to start scan on the selected RF channel. The found channels will be stored in the channel list.

**Manual Service Update:** Start a service update manually.

**LCN:** Set your preference for LCN. LCN is the Logical Channel Number system that organises available broadcasts in accordance with a recognisable channel number sequence (if available).

**Channel Scan Type:** Set your scan type preference.

**Channel Store Type:** Set your store type preference.

**Favourite Network Select:** Select your favourite network. This menu option will be active, if more than one network is available.

**Channel Skip:** Set channels to be skipped when switching the channels via **Programme +/-** buttons

on the remote. Highlight the desired channel/s on the list and press **OK** to select/unselect.

**Channel Swap:** Replace the positions of the two selected channels in the channel list. Highlight the desired channels on the list and press **OK** to select. When the second channel is selected, the position of this channel will be replaced with the position of the first selected channel. You can press the **Yellow** button and enter the number of the channel you want to select. Then highlight **OK** and press **OK** to go to that channel. You may need to set the **LCN** option to **Off** in order to enable this feature.

**Channel Move:** Move a channel to the position of another channel. Highlight the channel you want to move and press **OK** to select. Then do the same for a second channel. When the second channel is selected, you can press the **Blue** button and the first selected channel will be moved to the position of that channel. You can press the **Yellow** button and enter the number of the channel you want to select. Then highlight **OK** and press **OK** to go to that channel. You may need to set the **LCN** option to **Off** in order to enable this feature.

**Channel Edit:** Edit channels in the channel list. Edit the name of the selected channel and display **Network Name, Channel Type and Frequency** information related to that channel if available. Depending on the channel other options may also be editable. Press **OK** or the **Yellow** button to edit the highlighted channel. You can press the **Blue** button to delete the highlighted channel.

**Channel Delete:** Highlight the desired channel/s on the list and press **OK** or the **Yellow** button to select/unselect. Then press the **Blue** button to delete the selected channel/s.

**Clear Channel List:** Delete all channels stored in the channel list. A dialogue will be displayed for confirmation. Highlight **OK** and press **OK** button to proceed. Highlight **Cancel** and press **OK** to cancel.

#### Input Source - Cable

**Channel Scan:** Start a scan for digital cable channels. If available, operator options will be listed. Select the desired one and press **OK**. **Scan Mode, Frequency and Network ID** options may be available. The options may vary depending on the operator and the **Scan Mode** selections. Set the **Scan Mode** as **Full** if you don't know how to set up other options. Highlight **Scan** and press **OK** or the **Right** directional button to start the scan. You can press the **Back/Return** button to cancel the scan. The channels that have already been found will be stored in the channel list.

**Single RF Scan:** Enter the **Frequency** value. **Signal Level and Signal Quality** of the selected **Frequency** will be shown. Highlight the **Scan** option and press **OK** or the **Right** directional button to start scan. The found channels will be stored in the channel list.

**LCN:** Set your preference for LCN. LCN is the Logical Channel Number system that organises available broadcasts in accordance with a recognisable channel number sequence (if available).

**Channel Scan Type:** Set your scan type preference.

**Channel Store Type:** Set your store type preference.

**Favourite Network Select:** Select your favourite network. This menu option will be active, if more than one network is available. This option may not be available depending on the selected country during the initial setup process.

**Channel Skip:** Set channels to be skipped when switching the channels via **Programme +/-** buttons on the remote. Highlight the desired channel/s on the list and press **OK** to select/unselect.

**Channel Swap:** Replace the positions of the two selected channels in the channel list. Highlight the desired channels on the list and press **OK** to select. When the second channel is selected, the position of this channel will be replaced with the position of the first selected channel. You can press the **Yellow** button and enter the number of the channel you want to select. Then highlight **OK** and press **OK** to go to that channel. You may need to set the **LCN** option to **Off** in order to enable this feature.

**Channel Move:** Move a channel to the position of another channel. Highlight the channel you want to move and press **OK** to select. Then do the same for a second channel. When the second channel is selected, you can press the **Blue** button and the first selected channel will be moved to the position of that channel. You can press the **Yellow** button and enter the number of the channel you want to select. Then highlight **OK** and press **OK** to go to that channel. You may need to set the **LCN** option to **Off** in order to enable this feature.

**Channel Edit:** Edit channels in the channel list. Edit the name of the selected channel and display **Network Name, Channel Type, Frequency, Modulation and Symbol Rate** information related to that channel. Depending on the channel other options may also be editable. Press **OK** or the **Yellow** button to edit the highlighted channel. You can press the **Blue** button to delete the highlighted channel.

**Channel Delete:** Highlight the desired channel/s on the list and press **OK** or the **Yellow** button to select/unselect. Then press the **Blue** button to delete the selected channel/s.

**Clear Channel List:** Delete all channels stored in the channel list. A dialogue will be displayed for confirmation. Highlight **OK** and press **OK** button to proceed. Highlight **Cancel** and press **OK** to cancel.

#### Input Source - Satellite

**Satellite Re-scan:** Start a satellite scan beginning with the antenna selection screen. When this scanning

option is preferred, some scanning configurations will not be available and thus the preferences you made during the initial setup process may not be changed.

For the **General Satellite** channel installation mode **SatcoDX Scan** option may also be available here. Copy the relevant sdx file into the root directory of an USB storage device and connect it to your TV. Highlight this option and press **OK**. **Download SatcoDX** option will be highlighted, press **OK** to continue. Select the sdx file from the connected USB storage device on the next screen and press **OK**. Satellite selection screen will be displayed. The status of the first satellite option will appear as **On**. Highlight that satellite option and press **OK**. Set the parameters corresponding to your system and correct satellite and press the **Back/Return** button to return to the satellite selection screen. Highlight **Next** and press **OK** to proceed with the SatcoDX channel list installation. If the selected satellite is not correct for SatcoDX installation, a warning dialogue will be displayed on the screen. The satellite/s that can be selected will be listed. Press **OK** to close the dialogue and press **Back/Return** to return to satellite selection screen. Then set the satellite accordingly.

**Satellite Add:** Add satellite and perform a satellite scan. This menu option will be active, if **Channel Installation Mode** is set to **General Satellite**.

**Satellite Update:** Search for any updates by repeating the previous scan with the same settings. You will also be able to configure these settings before the scan. If **Channel Installation Mode** is set to **Preferred Satellite** this option may be named differently depending on the available services. Highlight the satellite and press **OK** button to configure detailed satellite parameters. Then press the **Back/Return** button to return to the satellite selection screen. Highlight **Next** and press **OK** to proceed.

**Satellite Manual Tuning:** Start a manual satellite scan. Highlight the satellite and press **OK** button to configure detailed satellite parameters. Then highlight **Next** and press **OK** to proceed.

**Favourite Network Select:** Select your favourite network. This menu option will be active, if more than one network is available. This option may not be available depending on the selected country during the initial setup process.

**Channel Skip:** Set channels to be skipped when switching the channels via **Programme +/-** buttons on the remote. Highlight the desired channel/s on the list and press **OK** to select/unselect.

**Channel Swap:** Replace the positions of the two selected channels in the channel list. Highlight the desired channels on the list and press **OK** to select. When the second channel is selected, the position of this channel will be replaced with the position of the first selected channel. You can press the **Yellow** button

and enter the number of the channel you want to select. Then highlight **OK** and press **OK** to go to that channel.

**Channel Move:** Move a channel to the position of another channel. Highlight the channel you want to move and press **OK** to select. Then do the same for a second channel. When the second channel is selected, you can press the **Blue** button and the first selected channel will be moved to the position of that channel. You can press the **Yellow** button and enter the number of the channel you want to select. Then highlight **OK** and press **OK** to go to that channel.

**Channel Edit:** Edit channels in the channel list. Edit the name and channel number of the selected channel and display **Network Name**, **Channel Type** and **Frequency** information related to that channel if available. Depending on the channel other options may also be editable. Press **OK** or the **Yellow** button to edit the highlighted channel. You can press the **Blue** button to delete the highlighted channel.

**Channel Delete:** Highlight the desired channel/s on the list and press **OK** or the **Yellow** button to select/unselect. Then press the **Blue** button to delete the selected channel/s.

**Clear Channel List:** Delete all channels stored in the channel list. A dialogue will be displayed for confirmation. Highlight **OK** and press **OK** button to proceed. Highlight **Cancel** and press **OK** to cancel.

*Note: Some options may not be available and appear as greyed out depending on the operator selection and operator related settings.*

### Channel Installation Mode

Set this option as **Preferred Satellite** or **General Satellite**. The channel list will also change depending on the selected option here. In order to watch the channels on the satellite you want, this option should be selected accordingly. Set to **Preferred Satellite** to watch operator channels, if you have performed an operator installation. Set to **General Satellite** to watch other satellite channels, if you have performed a normal installation.

### Auto Channel Update

Turn the auto channel update function on or off.

### Channel Update Message

Turn the channel update message function on or off.

### Parental Controls

*(\*) To enter this menu PIN should be entered first. Use the PIN that you have defined during the initial setup process. If you have changed the PIN after the initial setup use that PIN. If you didn't set a PIN during the initial setup, you can use the default PIN. The default PIN is 1234. Some options may not be available or vary depending on the country selection during the initial setup. The content of this menu may not be displayed if the channel installation is not completed and no channels are installed.*

**Channels Blocked:** Select channel/s to be blocked from the channel list. Highlight a channel and press **OK** to select/unselect. To watch a blocked channel PIN should be entered first.

**Programme Restrictions:** Block programmes according to the age rating information that is being broadcasted with them. You can turn on or off restrictions, set rating systems, age limits, and block unrated programmes using the options of this menu.

**Inputs Blocked:** Prevent access to the selected input source content. Highlight the desired input option and press **OK** to select/unselect. To switch to a blocked input source PIN should be entered first.

**Change PIN:** Change the PIN you defined during the initial setup. Highlight this option and press **OK**. You will need to enter the current PIN first. Then new PIN entry screen will be displayed. Enter the new PIN twice for confirmation.

### Open Source Licences

Display Open Source Software licence information.

### Accounts & Sign In

Highlight this option and press **OK** to sign into your Google account. Following options will be available if you have signed into your Google account.

**Google:** You can configure your data syncing preferences or remove your registered account on the TV. Highlight a service listed in the **Choose synced apps** section and press **OK** to enable/disable data sync. Highlight **Sync now** and press **OK** to sync all enabled services at once.

**Add account:** Add a new one to available accounts by signing in to it.

### Apps

Using the options of this menu, you can manage the apps on your TV.

#### Recently opened apps

You can display recently opened apps. Highlight **See all apps** and press **OK** to see all the apps installed on your TV. The amount of storage space that they needed will also be displayed. You can see the version of the app, open or force to stop the running of the app, uninstall a downloaded app, see the permissions and turn them on/off, turn on/off the notifications, clear the data and cache, etc. Highlight an app and press **OK** to see available options.

Changing the storage location of an app

If you did priorly format your USB storage device as device storage to extend the storage capacity of your TV, you can move the app to that device. For more information refer to the **Storage** section in the **Settings>Device Preferences** menu.

Highlight the app you want to move and press **OK** to see available options. Then highlight the **Storage used** option and press **OK**. If the selected app is convenient you will see your USB storage device as an option for this app to be stored. Highlight that option and press **OK** to move the app.

Note that the apps that moved to a connected USB storage device will not be available if that device is disconnected. And if you format the device with the TV as removable storage, don't forget to back up the apps using the related option. Otherwise, the apps stored on that device will not be available after formatting. For more information refer to the **Storage** section in the **Settings>Device Preferences** menu.

### Permissions

Manage the permissions and some other features of the apps.

**App permissions:** The apps will be sorted by permission type categories. You can enable/disable permissions for the apps from within these categories.

**Special app access:** Configure some app features and special permissions.

**Security & restrictions:** You can allow or restrict installation of apps from sources other than the Google Play Store.

### Device Preferences

**About:** Check for system updates, change the device name, reset the TV to the factory defaults and display system information such as network addresses, serial numbers, versions, etc. You can also display legal information, manage advertisements, display your advertising ID, reset it and turn on/off the personalised advertisements based on your interests.

**Factory reset:** Reset all TV settings to the factory defaults. Highlight **Factory reset** and press **OK**. A confirmation message will be displayed, select **Factory reset** to proceed with resetting. A further confirmation message will be displayed, select **Erase everything** to factory reset the TV. The TV will switch off/on first and the initial setup will start. Select **Cancel** to exit.

*Note: You may be asked to enter a PIN to proceed with the reset operation. Enter the PIN you have defined during the initial setup. If you didn't set a PIN during the initial setup, you can use the default PIN. The default PIN is 1234.*

**Netflix ESN:** Displays your ESN number. ESN number is a unique ID number for Netflix, created especially to identify your TV.

**Date & Time:** Set the date and time options of your TV. You can set your TV to automatically update the time and date data over the network or over the broadcasts. Set corresponding to your environment and preference. Disable by setting as **Off** if you want

to manually change the date or time. Then set date, time, time zone and hour format options.

## Timer

**Power On Time Type:** Set your TV to turn on by itself. Set this option as **On** or **Once** to enable a power on timer to be set, set as **Off** to disable. If set as **Once** the TV will turn on only once at the defined time in **Auto Power On Time** option below.

**Auto Power On Time:** Available if the **Power On Time Type** is enabled. Set the desired time for your TV to come on from standby using the directional buttons and press **OK** to save the new set time.

**Power Off Time Type:** Set your TV to turn off by itself. Set this option as **On** or **Once** to enable a power off timer to be set, set as **Off** to disable. If set as **Once** the TV will turn off only once at the defined time in **Auto Power Off Time** option below.

**Auto Power Off Time:** Available if the **Power Off Time Type** is enabled. Set the desired time for your TV to go to standby using the directional buttons and press **OK** to save the new set time.

**Language:** Set your language preference.

**Keyboard:** Select your keyboard type and manage keyboard settings.

**Inputs:** Show or hide an input terminal, change the label for an input terminal, and configure the options for HDMI CEC (Consumer Electronic Control) function and display the CEC device list.

## Power

**Sleep Timer:** Define a time after which you want your TV to enter sleep mode automatically. Set as **Off** to disable.

**Picture Off:** Select this option and press **OK** to turn the screen off. Press a button on the remote or on the TV to turn the screen on again. Note that you can not turn the screen on via the **Volume +/-**, **Mute** and **Standby** buttons. These buttons will function normally.

**No Signal Auto Power Off:** Set the behaviour of the TV, when no signal is detected from the currently set input source. Define a time after which you want your TV to turn itself off or set as **Off** to disable.

**Auto Sleep:** Define an idle time after which you want your TV to enter sleep mode automatically. **4 Hours**, **6 Hours** and **8 Hours** options are available. Set as **Never** to disable.

## Picture

**Picture Mode:** Set the picture mode to suit your preference or requirements. Picture mode can be set to one of these options: **Standard**, **Vivid**, **Sport**, **Movie** and **Game**.

**Dolby Vision Modes:** If *Dolby Vision content is detected* **Dolby Vision Bright**, **Dolby Vision Dark** and **Dolby Vi-**

**sion Vivid** picture mode options will be available instead of other picture modes.

**Backlight, Brightness, Contrast, Colour, HUE, Sharpness** settings will be adjusted according to the selected picture mode.

**Display Notification:** Set your notification appearance preference for Dolby Vision content. When turned on, Dolby Vision logo will be displayed on the screen when Dolby Vision content is detected.

**Auto Backlight:** Set your auto backlight preference. **Off**, **Low**, **Middle** and **Eco** options will be available. Set as **Off** to disable.

**Backlight:** Adjust the backlight level of the screen manually. This item will not be available if the **Auto Backlight** is not set as **Off**.

**Brightness:** Adjust the brightness value of the screen.

**Contrast:** Adjust the contrast value of the screen.

**Colour:** Adjust the colour saturation value of the screen.

**HUE:** Adjust the hue value of the screen.

**Sharpness:** Adjust the sharpness value for the objects displayed on the screen.

**Gamma:** Set your gamma preference. **Dark**, **Middle** and **Bright** options will be available.

**Colour Temperature:** Set your colour temperature preference. **User**, **Cool**, **Standard** and **Warm** options will be available. You can adjust red, green and blue gain values manually. If one of these values is changed manually, **Colour Temperature** option will be changed to **User**, if not already set as **User**.

**Display Mode:** Set the aspect ratio of the screen. Select one of the predefined options according to your preference.

**HDR:** Turn the HDR function on or off. This item will be available if HDR content is detected.

## Advanced Video

**DNR:** Dynamic Noise Reduction (DNR) is the process of removing noise from digital or analogue signals. Set your DNR preference as **Low**, **Medium**, **Strong**, **Auto** or turn it off by setting as **Off**.

**MPEG NR:** MPEG Noise Reduction cleans up block noise around outlines and noise on the background. Set your MPEG NR preference as **Low**, **Medium**, **Strong** or turn it off by setting as **Off**.

**Max Vivid:** Manipulates contrast and colour perception, basically converts Standard Dynamic Range picture to High Dynamic Range picture. Set as **On** to enable.

**Adaptive Luma Control:** Adaptive Luma control adjusts contrast settings globally according to content histogram in order to provide deeper black

and brighter white perception. Set your Adaptive Luma Control preference as **Low**, **Medium**, **Strong** or turn it off by setting as **Off**.

**Local Contrast Control:** Local contrast control divides each frame to defined small regions and provides ability to apply independent contrast setting for each region. This algorithm improves fine details and provides better contrast perception. It makes higher depth impression by enhancing dark and bright areas without any detail loss. Set your Local Contrast Control preference as **Low**, **Medium**, **High** or turn it off by setting as **Off**.

**Flesh Tone:** Adjusts the skin tone brightness. Set your preference as **Low**, **Medium**, or **High** to enable. Set as **Off** to disable.

**DI Film Mode:** It is the function for 3:2 or 2:2 cadence detection for 24 fps film content and improves the side effects (like interlacing effect or judder) which are caused by these pull down methods. Set your DI Film Mode preference as **Auto** or turn it off by setting as **Off**. This item will not be available if Game Mode or PC Mode is turned on.

**Blue Stretch:** Human eye perceives cooler whites as brighter white, Blue Stretch feature changes White balance of mid-high grey levels to cooler colour temperature. Turn the Blue Stretch function on or off.

**Game Mode:** Game mode is the mode which cuts down some of the picture processing algorithms to keep up with video games that have fast frame rates. Turn the Game Mode function on or off.

**ALLM:** ALLM (Auto Low Latency Mode) function allows the TV to activate or deactivate low latency settings depending on playback content. Highlight this option and press **OK** to turn the ALLM function on or off.

**PC Mode:** PC Mode is the mode which cuts down some of the picture processing algorithms to keep signal type as it is. It can be usable especially for RGB inputs. Turn the PC Mode function on or off.

**De-Contour:** Decreases the contour effects in low-resolution content and auto streaming services. Set your preference as **Low**, **Middle**, or **High** to enable. Set as **Off** to disable.

**MJC:** Optimises the TV's video settings for motional images to acquire a better quality and readability. Highlight this option and press **OK** to see available options. **Effect**, **Demo Partition**, and **Demo** options will be available. Set the **Effect** option to **Low**, **Middle**, or **High** to enable the MJC function. When enabled, **Demo Partition** and **Demo** options will become available. Highlight **Demo Partition** and press **OK** to set your preference. **All**, **Right** and **Left** options will

be available. Highlight **Demo** and press **OK** to activate the demo mode. While the demo mode is active, the screen will be divided into two sections, one displaying the MJC activity, the other displaying the normal settings for the TV screen. If the **Demo Partition** option is set to **All**, both sides will display the MJC activity.

**HDMI RGB Range:** This setting should be adjusted according to input RGB signal range on HDMI source. It can be limited range (16-235) or full range (0-255). Set your HDMI RGB range preference. **Auto**, **Full** and **Limit** options will be available. This item will not be available, if the input source is not set as HDMI.

**Low Blue Light:** Electronic device screens emit blue light that can cause eye strain and may lead to eye problems over time. To reduce the effect of blue light set your preference as **Low**, **Middle**, or **High**. Set as **Off** to disable.

**Colour Space:** You can use this option to set the range of colours displayed on your TV screen. When set as **On**, colours are set according to the source signal. When set as **Auto**, the TV decides to set this function as on or off dynamically, according to source signal type. When set as **Off**, the TV's maximum colour capacity is used by default.

**Colour Tuner:** Colour saturation, hue, brightness can be adjustable for red, green, blue, cyan, magenta, yellow and flesh tone (skin tone) for having more vivid or more natural image. Set the **HUE**, **Colour**, **Brightness**, **Offset** and **Gain** values manually. Highlight **Enable** and press **OK** to turn this function on.

**11 Point White Balance Correction:** White balance feature calibrates TV's colour temperature in detailed grey levels. By visually or measurement, grey scale uniformity can be improved. Adjust the strength of the **Red**, **Green**, **Blue** colours and **Gain** value manually. Highlight **Enable** and press **OK** to turn this function on.

**Reset to Default:** Reset the video settings to factory default settings.

*Note: Depending on the currently set input source some menu options may not be available.*

## Sound

**System Sounds:** System sound is the sound played when navigating or selecting an item on the TV screen. Highlight this option and press **OK** to turn this function on or off.

**Sound Style:** For easy sound adjustment, you can select a preset setting. **User**, **Standard**, **Vivid**, **Sports**, **Movie**, **Music** and **News** options will be available. Sound settings will be adjusted according to the selected sound style. Some other



sound options may become unavailable depending on the selection.

**Balance:** Adjust the left and right volume balance for speakers and headphones.

**Sound Surround:** Turn the surround sound feature on or off.

**Equalizer Detail:** Adjust the equalizer values according to your preferences.

**Speakers Delay:** Adjust the delay value for speakers.

**eARC:** Set your eARC preference. **Off** and **Auto** options will be available. Set as **Off** to disable.

**Digital Output:** Set the digital sound output preference. **Auto**, **Bypass**, **PCM**, **Dolby Digital Plus** and **Dolby Digital** options will be available. Highlight the option you prefer and press **OK** to set.

**Digital Output Delay:** Adjust the digital output delay value.

**Auto Volume Control:** With Auto Volume Control, you can set the TV to automatically level out sudden volume differences. Typically at the beginning of adverts or when you are switching channels. Turn this option on/off by pressing **OK**.

**Downmix Mode:** Set your preference to convert multi-channel audio signals to two-channel audio signals. Press **OK** to see the options and set. **Stereo** and **Surround** options will be available. Highlight the option you prefer and press **OK** to set.

**DTS DRC:** Dynamic Range Control provides gain adjustment of the source to maintain suitable audible range at both low and high playback levels. Turn this option on/off by pressing **OK**.

**Dolby Audio Processing:** With Dolby Audio Processing, you can improve the sound quality of your TV. Press **OK** to see the options and set. Some other sound options may become unavailable and appear as greyed out depending on the settings made here. Set the **Dolby Audio Processing** option to **Off** if you would like to change these settings.

**Dolby Audio Processing:** Highlight this option and press **OK** to turn this function on/off. Some options may not be available if this option is not turned on.

**Sound Mode:** If the **Dolby Audio Processing** option is turned on **Sound Mode** option will be available to set. Highlight the **Sound Mode** option and press **OK** to see the preset sound modes.

**Game, Movie, Music, News, Stadium, Smart and User** options will be available. Highlight the option you prefer and press **OK** to set. Some options may not be available if this option is not set to **User**.

**Volume Leveler:** Allows you to balance the sound levels. In this way, you are minimally affected by

abnormal sound rises and falls. Turn this feature on/off by pressing **OK**.

**Surround Virtualiser:** Turn the surround virtualiser feature on or off.

**Dolby Atmos:** Your TV supports Dolby Atmos technology. By means of this technology the sound moves around you in three-dimensional space, so you feel like you're inside the action. You will have best experience if input audio bitstream is Atmos. Turn this option on/off by pressing **OK**.

**Dialogue Enhancer:** This feature provides sound postprocessing options for speech-gated dialogue enhancement. **Off**, **Low**, **Medium** and **High** options will be available. Set according your preference.

**Note:** *This feature has an effect only if input audio format is AC-4 or dolby audio processing is enabled. This effect only applies to TV loudspeaker output.*

**Dolby Atmos Notification:** Set your notification appearance preference for Dolby Atmos content. When turned on, Dolby Atmos logo will be displayed on the screen when Dolby Atmos content is detected.

**DTS Virtual:X:** This feature will enhance your sound experience by providing a virtualisation of surround speakers through your TV's speakers. Highlight **Virtual:X** and press **OK**. **TruBass** option will become available. **TruBass** manages and enhances low frequency signals. Highlight this option and press **OK** to turn it on or off. Some other options may become unavailable and appear as greyed out depending on the setting made here. This item will not be available if Dolby Audio Processing is turned on.

**Reset to Default:** Resets the sound settings to factory defaults.

**Storage:** View the total storage space status of the TV and connected devices if available. To see detailed information on the usage details highlight and press **OK**. There will also be options for ejecting and setting up the connected USB storage devices as device storage.

**Eject:** To keep your content safe, eject your USB storage device before you unplug it from your TV.

**Erase & format as device storage:** You can use the connected USB storage device to extend the storage capacity of your TV. After doing this, that device will only be usable with the TV. Follow the on-screen instructions and read the information displayed on the screen before proceeding.

**Note:** *Formatting the connected storage device will erase all data installed on it. Back up the files that you want to keep before you proceed with formatting the device.*

**Erase & format as removable storage:** If you did priorly format your USB storage device as device storage, it will only be usable with your TV. You can use this option to format it again in order to use it with other devices. Before proceeding with

the formatting, you may consider backing up the data on your device to your TV's internal storage or to another USB storage device using the **Back up apps** option. Otherwise, some apps may not work properly after formatting. Follow the on-screen instructions and read the information displayed on the screen before proceeding.

**Note:** *Formatting the connected storage device will erase all data installed on it. Back up the files that you want to keep before you proceed with formatting the device.*

You can also go to the **Notifications** section on the Home Screen after connecting your USB device to your TV to see the available options. Highlight the notification related to your connected USB device and press **OK**.

**Browse:** Opens the **Storage** menu.

**Setup as device storage:** Has the same functionality as the **Erase & format as device storage** option described above.

**Eject:** Same as described above.

**Home Screen:** Customise your Home Screen. Select channels which will be displayed on the Home Screen, enable/disable video and audio previews. Organise apps and games, change their order or get more of them. Display open source licences.

For some countries, the Home Screen will be organised into several tabs and this menu will contain additional options to customise the content of these tabs. Highlight **Set up** and press **OK** to sign in to a Google account, so you can browse personalised recommendations for that account in the **Discover** tab on the Home Screen. After signing in, using the related options in this menu, you can view your account activity controls and permissions, customise services and define content preferences to get better recommendations.

**Store Mode:** Highlight **Store mode** and press **OK**. A dialogue will be displayed asking for your confirmation. Read the description, highlight **Continue** and press **OK** if you want to proceed. Then highlight **On** to activate or **Off** to deactivate and press **OK**. In store mode your TV's settings will be configured for store environment and the supported features will be displayed on the screen. Once activated, **Store Messaging** and **PQ Demo** settings will become available. Set according to your preferences. It is recommended not to activate store mode for home use.

**Google Assistant:** Highlight **On** and press **OK** to turn this feature on or off. Select your active account, view permissions, select which apps to include in search results, activate safe search filter and offensive word blocking, view open source licences.

**Chromecast Built-in:** Set your remote control notification preference. Highlight **Let others control your cast media** and press **OK**. **Always, While Casting**

and **Never** options will be available. You can display open source licences and view version number and serial number under the **About** section.

**Screen Saver:** Set the screensaver options for your TV. You can choose a screensaver, set wait time for the screensaver or start the screensaver mode.

**Energy Saver:** Define a time after which you want your TV to turn itself off for energy saving. Set as **Never** to disable.

**Location:** You can allow the use of the wireless connection to estimate the location, see the recent location requests and allow or restrict the listed apps to use your location information.

**Usage & Diagnostics:** Automatically send usage data and diagnostic information to Google. Set according to your preference.

**Manufacturer Usage & Diagnostics:** If you accept, your TV will send diagnostic information (such as MAC address, country, language, software and firmware versions, bootloader versions and the source of the TV) and anonymous usage data from your device to a server located in Ireland. We are not able to identify you and are only collecting and storing this diagnostic information and anonymous usage data to ensure your device operates properly.

**Accessibility:** Configure **Audio Type**, **Visually Impaired**, **Captions**, **Text to Speech** settings and/or turn **High Contrast Text** on/off. Some of the caption settings may not be applied.

**Visually Impaired:** Set the **Audio Type** as **Audio Description** to enable this option. Digital TV channels can broadcast special audio commentary describing on-screen action, body language, expressions and movements for people with visual disabilities.

**Speaker:** Turn this option on if you want to hear the audio commentary through the TV speakers.

**Headphone:** Turn this option on if you want to turn the sound of the audio commentary to the TV's headphone output.

**Volume:** Adjust the volume level of the audio commentary.

**Pan and Fade:** Turn this option on if you want to hear the audio commentary more clearly, when it is available through broadcast.

**Audio for the Visually Impaired:** Set the audio type for visually impaired. Options will be available depending on the selected broadcast.

**Fader Control:** Adjust the volume balance between the main TV audio (**Main**) and audio commentary (**AD**).



**Restart:** A confirmation message will be displayed, select **Restart** to proceed with restarting. The TV will switch off/on first. Select **Cancel** to exit.

## Remote & Accessories

You can use wireless accessories, such as your remote control (depends on the model of the remote control), headphones, keyboards or game controllers with your Android TV. Add devices to use them with your TV. Select this option and press **OK** to start searching available devices in order to pair them with your TV. If available highlight **Add accessory** option and press **OK** to start the search. Set your device to pairing mode. Available devices will be recognised and listed or pairing request will be displayed. To start pairing, select your device from the list and press **OK**, or highlight **OK** and press **OK** when the pairing request appears.

Connected devices will also be listed here. To unpair a device, highlight it and press **OK**. Then highlight the **Unpair** option and press **OK**. Then select **OK** and press **OK** again to unpair the device from the TV. You can also change the name of a connected device. Highlight the device and press **OK**, then highlight **Change name** and press **OK** again. Press **OK** again and use the virtual keyboard to change the name of the device.

## Channel List

The TV sorts all stored channels in the **Channel List**. Press the **OK** button to open the **Channel List** in Live TV mode. You can press the left directional button to scroll up the list page by page, or press the right directional button to scroll down.

To sort the channel or find a channel in the channel list, press the **Yellow** button to display the **Channel Operation** options. Available options are **Sort** and **Find**. **Sort** option may not be available depending on the selected country during the initial setup process. To sort the channels highlight **Sort** and press the **OK** button. Select one of the available options and press **OK** again. The channels will be sorted according to your selection. To find a channel highlight **Find** and press the **OK** button. Virtual keyboard will be displayed. Enter all or a portion of the name or number of the channel you want to find, highlight the check mark symbol on the keyboard and press **OK**. Matching results will be listed.

To filter the channels press **Red** button. **Select Type** options will be displayed. You can select among **TV**, **Radio**, **Free**, **Encrypted** and **Favourites** options to filter the channel list or select **All channels** option to see all installed channels in the channel list. Available options may differ depending on the operator selection.

**Note:** If any option except **All channels** is selected in the **Select Type** menu, you can only scroll through the channels that are currently listed in the channel list using the **Programme +/-** buttons on the remote.

## Editing the Channels and the Channel List

You can edit the channels and the channel list using the **Channel Skip**, **Channel Swap**, **Channel Move**, **Channel Edit** and **Channel Delete** options under the **Settings>Channel>Channels** menu. You can access the **Settings** menu from the Home Screen or from the **TV options** menu in Live TV mode.

**Note:** The options **Channel Swap**, **Channel Move** and **Channel Edit** may not be available and appear as greyed out depending on the operator selection and operator related settings. You can turn off the **LCN** setting in the **Settings>Channel>Channels** menu, as it prevents channel editing. This option might be set to **On** by default depending on the selected country during the initial setup process.

## Managing Favourite Channel Lists

You can create four different lists of your favourite channels. These lists include only the channels that are specified by you. Press the **OK** button to display the channel list.

To add a channel to one of the favourite lists, highlight that channel in the channel list and press the **Blue** button. Favourite list selection menu will be displayed. Highlight the list/s you want the channel to be added and press **OK**. The channel will be added to the selected favourite list/s.

To remove a channel from a favourite list highlight that channel in the channel list and press the **Blue** button. Favourite list selection menu will be displayed. Highlight the list/s you want the channel to be removed and press **OK**. The channel will be removed from the selected favourite list/s.

To set one of your favourite channel lists as the main channel list, press the **Red** button and set the **Select Type** option to **Favourites**. Then highlight the desired favourite list and press **OK**. In order to change the position of a channel in the favourite list press the **Yellow** button, then highlight the **Move** option and press **OK**. Then use the **Up** and **Down** directional buttons to move the channel to the desired position and press **OK**. In order to delete a channel from the favourite list press the **Yellow** button, then highlight the **Delete** option and press **OK**.

## Programme Guide

By means of Electronic Programme Guide (EPG) function of your TV, you can browse the event schedule of the currently installed channels on your channel list. It depends on the related broadcast whether this feature is supported or not.

Electronic Programme Guide is available in Live TV mode. To switch to Live TV mode you can either press the **Exit** button or highlight the **Live TV** app from the **Apps** row on the Home Screen and press **OK**. For some countries, the **Live TV** app will be situated in the **Home** tab on the Home Screen and the row with this app will be named as **Favourite Apps**. In order

to access the Electronic Programme Guide press the **Guide** button on the remote.

Use the directional buttons to navigate through the programme guide. You can use the Up/Down directional buttons or **Programme +/-** buttons to switch to previous/next channel on the list and Right/Left directional buttons to select a desired event of the currently highlighted channel. If available, the full name, start-end time and date, genre of the highlighted event and a brief information about it will be displayed on the screen.

Press **Blue** button to filter the events. Due to the large variety of filter options you can find events of the desired type quicker. Press **Yellow** button to see detailed information on the highlighted event. You can also use the **Red** and **Green** buttons to see events of previous day and next day. The functions will be assigned to the coloured buttons on the remote when they are available. Follow the on-screen information for accurate button functions.

Press the **Record** button to add a timer for the highlighted event in the guide. You can define the type of the timer by setting the **Schedule type** option as **Reminder** or **Record**. When other parameters are set press the **Green** button. The timer will be added to the schedule list. You can access the schedule list from the **Record** menu in Live TV mode.

The guide can not be displayed if **DTV** input source is blocked from the **Settings>Channel>Parental Controls>Inputs Blocked** menu in Live TV mode or on Home Screen.

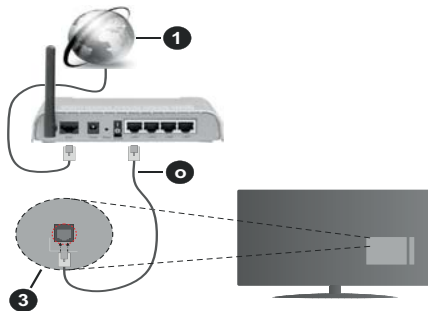
## Connecting to the Internet

You can access the Internet via your TV, by connecting it to a broadband system. It is necessary to configure the network settings in order to enjoy a variety of streaming content and internet applications. These settings can be configured from **Settings>Network & Internet** menu. You can also highlight the **Connected/Not Connected** icon on the Home screen and press **OK** to access this menu. For further information refer to **Network & Internet** section under the title of **Settings**.

### Wired Connection

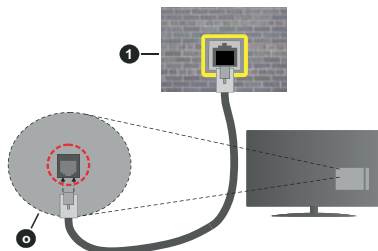
Connect your TV to your modem/router via an Ethernet cable. There is a LAN port on the rear side of your TV.

The status of the connection under the **Ethernet** section in the **Network & Internet** menu will change from **Not connected** to **Connected**.



1. Broadband ISP connection
2. LAN (Ethernet) cable
3. LAN input on the rear side of the TV

You might be able to connect your TV to a network wall socket depending on your network's configuration. In that case, you can connect your TV directly to the network using an Ethernet cable.

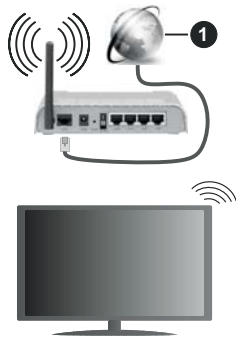


1. Network wall socket
2. LAN input on the rear side of the TV

### Wireless Connection

A wireless LAN modem/router is required to connect the TV to the Internet via wireless LAN.

Highlight **Wi-Fi** option in the **Network & Internet** menu and press **OK** to enable wireless connection. Available networks will be listed. Select one and press **OK** to connect. For more information refer to **Network & Internet** section under the title of **Settings**.



## 1. Broadband ISP connection

A network with hidden SSID can not be detected by other devices. If you want to connect to a network with hidden SSID, highlight the **Add new network** option under the **Settings>Network & Internet** menu on the Home Screen and press **OK**. Add the network by entering its name manually using the related option.

Some networks may have an authorisation system that requires a second login as such in a work environment. In this case, after connecting to the wireless network you want to connect to, highlight **Notifications** situated on the upper right of the **Home Screen** and press **OK**. Then highlight the Sign in to **Wi-Fi network** notification and press **OK**. Enter your credentials to log in.

A Wireless-N router (IEEE 802.11a/b/g/n/ac) with simultaneous 2.4 and 5 GHz bands is designed to increase bandwidth. These are optimised for smoother and faster HD video streaming, file transfers and wireless gaming.

Use a LAN connection for quicker data transfer between other devices like computers.

The transmission speed differs depending on the distance and number of obstructions between the transmission products, the configuration of these products, the radio wave conditions, the line traffic and the products that you use. The transmission may also be cut off or may get disconnected depending on the radio wave conditions, DECT phones or any other WLAN 11b appliances. The standard values of the transmission speed are the theoretical maximum values for the wireless standards. They are not the actual speeds of data transmission.

The location where the transmission is most effective differs depending on the usage environment.

The Wireless feature of the TV supports 802.11 a,b,g,n & ac type modems. It is highly recommended that you should use the IEEE 802.11n communication protocol in order to avoid any possible problems while watching videos.

You must change your modem's SSID when there are any other modems around with the same SSID. You can encounter connection problems otherwise. Use a wired connection if you experience problems with a wireless connection.

A stable connection speed is required to play back streaming content. Use an Ethernet connection if the wireless LAN speed is unstable.

## Multi Media Player

On the Home Screen scroll to **Apps** row, select **Multi Media Player (MMP)** and press the **OK** button to launch. If this app is not available, highlight **Add app to favourites** option (plus sign) on the **Apps** row and press **OK**. Then select the **Multi Media Player (MMP)** app and press **OK** to add. For some countries, the **Multi Media Player** app will be situated in the **Home** tab on the Home Screen and the row with this app will be named as **Favourite Apps**.

Select the media type on the main media player screen. On the next screen, you can press the **Menu** button to access a list of menu options while the focus is on a folder or a media file. Using the options of this menu you can change the media type, sort the files, change the thumbnail size and turn your TV into a digital photo frame. You will also be able to copy, paste and delete the media files using the related options of this menu, if a FAT32 formatted USB storage device is connected to the TV. Additionally you can switch the viewing style by selecting either **Normal Parser** or **Recursive Parser**. In **Normal Parser** mode the files will be displayed with folders if any available. So only the selected type of media files in the root folder or in the selected folder will be displayed. If there isn't any media files of the selected type, the folder will be assumed as empty. In **Recursive Parser** mode the source will be searched for all available media files of the selected type and the found files will be listed. Press the **Back/Return** button to close this menu.

In order to activate photo frame feature select **Photo** as the media type. Then press the **Menu** button, highlight **Photo Frame** and press **OK**. If you select **One Photo mode** option and press **OK** the image that you set as photo frame image earlier will be displayed when photo frame feature is activated. If you select the USB storage device option the first file (in **Recursive Parser** mode) will be displayed. To set the photo frame image press the **Menu** button while the photo file of your choice is displayed, highlight **Photo Frame Image** and press **OK**.

Additionally, you can toggle between browsing modes by pressing the **Blue** button. List View and Grid View modes are available. While browsing for the video, photo and text files a preview of the highlighted file will be displayed in a small window on the left side of the screen if the browse mode is set to List View. You

can also use **Programme +/-** buttons to jump directly to the first and last folder or file if the view style is set to Grid View.

You can also enable or disable the USB Auto Play feature by pressing the **Yellow** button. Using this feature you can set your TV to start playing the media content installed on a connected USB storage device automatically. Refer to the **USB Auto Play Feature** section for more information.

#### Video Files

Press **OK** to play back the highlighted video file.

**Info:** Display the info bar. Press twice to display the extended information and the next file.

**Pause/Play:** Pause and resume the playback.

**Rewind:** Start reverse playback. Press consecutively to set the rewind speed.

**Fast Forward:** Start fast forward playback. Press consecutively to set the forward playback speed.

**Stop:** Stop the playback.

**Programme +:** Switch to next file.

**Programme -:** Switch to previous file.

**Back/Return:** Return to the media player screen.

#### Music Files

Press **OK** to play back the highlighted music/audio file.

**Info:** Display the extended information and the next file.

**Pause/Play:** Pause and resume the playback.

**Rewind:** Press and hold to rewind.

**Fast Forward:** Press and hold to fast forward.

**Stop:** Stop the playback.

**Programme +:** Switch to next file.

**Programme -:** Switch to previous file.

**Back/Return:** Return to the media player screen.

If you press **Back/Return** button without stopping the playback first the playback will continue while you are browsing in the multimedia player. You can use the media player buttons to control the playback. The playback will stop if you exit the media player or switch the media type to **Video**.

#### Photo Files

Press **OK** to display the highlighted photo file. When you press the **OK** button slide show will also start and all photo files in the current folder or in the storage device, depending on the viewing style, will be displayed in order. If the **Repeat** option is set to **None** only the files between the highlighted one and the last listed one will be displayed. Press the **OK** or **Pause/Play** button to pause or resume the slide show. The slide show will stop after the last listed file is displayed and media player screen will be displayed.

**Info:** Display the info bar. Press twice to display the extended information and the next file.

**Pause/Play:** Pause and resume the slide show.

**Green button (Rotate/Duration):** Rotate the image / Set the interval between the slides.

**Yell w butt n (Z m/Effect):** Zoom in on the image / Apply various effects to the slide show.

**Programme +:** Switch to next file.

**Programme -:** Switch to previous file.

**Back/Return:** Return to the media player screen.

#### Text Files

When you press the **OK** button slide show will start and all text files in the current folder or in the storage device, depending on the viewing style, will be displayed in order. If the **Repeat** option is set to **None** only the files between the highlighted one and the last listed one will be displayed. Press the **OK** or **Pause/Play** button to pause or resume the slide show. The slide show will stop after the last listed file is displayed and media player screen will be displayed.

**Info:** Display the info bar. Press twice to display the extended information and the next file.

**Pause/Play:** Pause and resume the slide show.

**Programme +:** Switch to next file.

**Programme -:** Switch to previous file.

**Directional buttons (Down or Right / Up or Left):** Switch to next page / Switch to previous page.

**Back/Return:** Stop the slide show and return to the media player screen.

#### Menu Options

Press the **Menu** button to see available options while playing back or displaying media files. The content of this menu differs depending on the media file type.

**Pause/Play:** Pause and resume the playback or the slide show.

**Repeat:** Set the repeat option. Highlight an option and press **OK** to change the setting. If **Repeat One** option is selected the current media file will be repeatedly played back or displayed. If the **Repeat All** option is selected all media files of the same type in the current folder or in the storage device, depending on the viewing style, will be repeatedly played back or displayed.

**Shuffle On/Off:** Turn the shuffle option on or off. Press **OK** to change the setting.

**Duration:** Set the interval between the slides. Highlight an option and press **OK** to change the setting. You can also press the **Green** button to set. This option will not be available if the slide show is paused.

**Rotate:** Rotate the image. The image will be rotated 90 degrees clockwise each time you press **OK**. You

can also press the **Green** button to rotate. This option will not be available if the slide show is not paused.

**Effect:** Apply various effects to the slide show. Highlight an option and press **OK** to change the setting. You can also press the **Yellow** button to set. This option will not be available if the slide show is paused.

**Zoom:** Zoom in on the image that is currently being displayed. Highlight an option and press **OK** to change the setting. You can also press the **Yellow** button to zoom in. This option will not be available if the slide show is not paused.

**Font:** Set the font options. Size, style and colour can be set according to your preferences.

**Show Info:** Display the extended information.

**Photo Frame Image:** Set the currently displayed image as photo frame image. This image will be displayed if the **One Photo mode** is selected instead of the connected storage device while activating the photo frame feature. Otherwise all files will be played back as a slide show when photo frame feature is activated.

**Hide/Show Spectrum:** Hide or show the spectrum if available.

**Lyric Options:** Display lyric options if available.

**Picture Off:** Open the power menu of your TV. You can use the **Picture off** option here to turn the screen off. Press a button on the remote or on the TV to turn the screen on again.

**Screen Mode:** Set the aspect ratio option.

**Picture Settings:** Display the picture settings menu.

**Sound Settings:** Display the sound settings menu.

**Sound Tracks:** Set the soundtrack option if more than one available.

**Last Memory:** Set to **Time** if you want to resume the playback from the position where it was stopped next time you open the same video file. If set to **Off** the playback will start from the beginning. Highlight an option and press **OK** to change the setting.

**Seek:** Jump to a specific time of the video file. Use the numeric and directional buttons to enter the time and press **OK**.

**Subtitle Encoding:** Display subtitle encoding options if available.

## From USB Connection

**IMPORTANT!** Back up the files on your USB storage devices before connecting them to the TV. Manufacturer will not be responsible for any file damage or data loss. Certain types of USB devices (e.g. MP3 Players) or USB hard disk drives/memory sticks may not be compatible with this TV. The TV supports FAT32 disk formatting. NTFS is not supported. FAT32 formatted devices with a storage capacity larger than 2TB are not supported. Files larger than 4 GB are not supported.

You can view your photos, text documents or play your music and video files installed on a connected USB storage device on the TV. Plug in the USB storage device to one of the USB inputs on the TV.

On the main media player screen select the desired media type. On the next screen, highlight a file name from the list of available media files and press the **OK** button. Follow the on-screen instructions for more information on other available button functions.

**Note:** Wait a little while before each plugging and unplugging as the player may still be reading files. Failure to do so may cause physical damage to the USB player and the USB device itself. Do not pull out your drive while playing a file.

## USB Auto Play Feature

This feature is used to start playing the media content installed on a removable device automatically. It uses the Multi Media Player application. The media content types have different priorities in order to be played. The reducing priority order is as Photo, Video and Audio. That means, if there is Photo content in content in the root directory of the removable device, the Multi Media Player will play the Photos in a sequence (in file name order) instead of Video or Audio files. If not, it will be checked for Video content and as last Audio.

You can enable the USB Auto Play feature from within the Multi Media Player app. Launch the application on the Home Screen and press the **Yellow** button on the remote to enable or disable this feature. If the feature is enabled while the USB device is already connected, unplug the device and then plug it back in to activate the feature.

This feature will only work if all of the following circumstances occur:

- The USB Auto Play feature is enabled
- The USB device is plugged in
- Playable content is installed on the USB device

If more than one USB device is connected to the TV, the last one plugged in will be used as content source.

## USB Recording

To record a programme, you should first connect a USB storage device to your TV while the TV is switched off. You should then switch on the TV to enable the recording feature.

To record long duration programmes such as movies, it is recommended to use USB Hard disk drives (HDD's).

Recorded programmes are saved onto the connected USB storage device. If desired, you can store/copy recordings onto a computer; however, these files will not be available to be played on a computer. You can play the recordings only via your TV.

Lip Sync delay may occur during the timeshifting. Radio record is supported.

If the writing speed of the connected USB storage device is not sufficient, the recording may fail and the timeshifting feature may not be available.

It is recommended to use USB hard disk drives for recording HD programmes.

Do not pull out the USB/HDD during a recording. This may harm the connected USB/HDD.

Some stream packets may not be recorded because of signal problems, as a result sometimes videos may freeze during playback.

If a recording starts from timer when teletext is on, a dialogue will be displayed. If you highlight **Yes** and press **OK** teletext will be turned off and recording will start.

## Instant Recording

Press **Record** button to start recording an event instantly while watching a programme. Press **Stop** button to stop and save the instant recording.

You can not switch broadcasts during the recording mode.

## Watching Recorded Programmes

Select **Record List** from the **Record** menu in Live TV mode and press **OK**. Select a recorded item from the list (if previously recorded). Press the **OK** button to watch.

Press the **Stop** or **Back/Return** button to stop a playback.

The recordings will be named in the following format: Channel Name\_Date(Year/Month/Day)\_Programme Name.

## Timeshift Recording

In order to use timeshift recording feature **Time Shift Mode** option in the **Record>Time Shift Mode** menu should be enabled first.

In timeshifting mode, the programme is paused and simultaneously recorded to the connected USB storage device. Press **Pause/Play** button while watching a broadcast to activate timeshifting mode. Press **Pause/Play** button again to resume the paused programme from where you stopped. Press the **Stop** button to stop timeshift recording and return to the live broadcast.

When this feature is used for the first time **Disk Setup** wizard will be displayed when the **Pause/Play** button is pressed. You can either choose **Auto** or **Manual** setup mode. In **Manual** mode, if you prefer, you can format your USB storage device and specify the storage space that will be used for timeshift function. When the setup is complete, the Disk Setup Result will be displayed. Press **OK** button to exit.

Timeshift function will not be available for radio broadcasts.

## Disk Format

When using a new USB storage device, it is recommended that you first format it using the **Format** option in the **Record>Device Info** menu in Live TV mode. Highlight the connected device on the **Device Info** screen and press **OK** or Right directional button to see the list of available options. Then highlight **Format** and press **OK** to proceed. A confirmation dialogue will be displayed. Highlight **Yes** and press **OK** to start formatting.

**IMPORTANT:** Formatting your USB storage device will erase ALL the data on it and its file system will be converted to FAT32. In most cases operation errors will be fixed after a format but you will lose ALL your data.

## Schedule List

You can add reminders or record timers using the **Schedule List** menu. You can access the **Schedule List** from the **Record** menu in Live TV mode. Highlight **Schedule List** and press **OK**. Previously set timers will be listed if any available.

Press the **Yellow** button to add a timer while the **Schedule List** menu is displayed on the screen. You can define the type of the timer by setting the **Schedule Type** option as **Reminder** or **Record**. When other parameters are set press the **Green** button. The timer will be added to the list.

If any available, you can also edit or delete the timers on this list. Highlight the timer of your choice and press the **Red** button to edit. After you edited the timer press the **Green** button to save changes. Highlight the timer of your choice and press the **Blue** button to delete. When you choose to delete a timer a confirmation dialogue will be displayed on the screen. Highlight **Yes** and press **OK** to delete the selected timer.

A warning message will be displayed if the time intervals of two timers overlap. You can not set more than one timer for the same time interval.

Press **EXIT** button to close the Schedule List.

## CEC

With CEC function of your TV you can operate a connected device with the TV remote control. This function uses HDMI CEC (Consumer Electronics Control) to communicate with the connected devices. Devices must support HDMI CEC and must be connected with an HDMI connection.

In order to make use of the CEC functionality the related option in the menu should be switched on. To check, switch on or off the CEC function, do the following:

- Enter the **Settings>Device Preferences>Inputs** menu on the Home Screen or **TV options>Set-**



**tings>Device Preferences>Inputs** menu in Live TV mode.

- Scroll down to **Consumer Electronic Control (CEC)** section. Check if the **HDMI control** option is switched on.
- Highlight the **HDMI control** option and press **OK** to switch on or off.

Make sure that all CEC settings are properly set up on the connected CEC device. The CEC functionality has different names on different brands. CEC function might not work with all devices. If you connect a device with HDMI CEC support to your TV, the related HDMI input source will be renamed with the connected device's name.

To operate the connected CEC device, select the related HDMI input source from the **Inputs** menu on the Home Screen. Or press the **Source** button if the TV is in Live TV mode and select the related HDMI input source from the list. To terminate this operation and control the TV via the remote again, press the **Source** button, which will still be functional, on the remote and switch to another source.

The TV remote is automatically able to control the device once the connected HDMI source has been selected. However not all buttons will be forwarded to the device. Only devices that support CEC Remote Control function will respond to the TV remote control.

The TV supports also eARC (Enhanced Audio Return Channel) feature. Similar to ARC, the eARC feature enables the transfer of the digital audio stream from your TV to a connected audio device via the HDMI cable. eARC is an improved version of ARC. It has a much higher bandwidth than its predecessor. Bandwidth represents the range of frequencies or amount of data that is being transferred at a time. Higher bandwidth translates into a higher amount of data that can be transferred. Higher bandwidth also means that digital audio signal doesn't have to be compressed and is much more detailed, rich, and vibrant.

When eARC is enabled from the sound menu, TV first tries to establish eARC link. If eARC is supported by the connected device, the output turns into eARC mode and the "eARC" indicator can be observed on the connected device's OSD. If an eARC link cannot be established (for example, the connected device is not supporting eARC but supporting ARC only) or if eARC is disabled from the sound menu, then TV initiates ARC.

In order to activate ARC feature the **eARC** option should be set as **Auto**. You can access this option from the **TV options>Settings>Device Preferences>Sound** menu in Live TV mode or from **Settings>Device Preferences>Sound** menu on the Home Screen. When eARC is active, TV will mute its other audio outputs

automatically. So you will hear audio from the connected audio device only. The volume control buttons of the remote will be directed to the connected audio device and you will be able to control the volume of the connected device with your TV remote.

For eARC to function properly;

- The connected audio device should also support eARC.
- Some HDMI cables do not have enough bandwidth to carry high-bit-rate audio channels, use an HDMI cable with eARC support (HDMI High Speed Cables with Ethernet and the new Ultra High Speed HDMI Cable - check [hdmi.org](http://hdmi.org) for latest info).

**Note:** eARC is supported only via the HDMI2 input.

## Google Cast

With the built-in Google Cast technology you can cast the content from your mobile device straight to your TV. If your mobile device has Google Cast feature, you can mirror your device's screen to your TV wirelessly. Select Cast screen option on your android device. Available devices will be detected and listed. Select your TV from the list and tap on it to start casting. You can get the network name of your TV from the **Settings>Device Preferences>About** menu on the Home screen. **Device name** will be one of the shown options. You can also change the name of your TV. Highlight **Device name** and press **OK**. Then highlight **Change** and press **OK** again. You can either select one of the predefined names or enter a custom name.

**To cast your device's screen to the TV screen...**

1. On your android device, go to 'Settings' from the notification panel or home screen
2. Tap on 'Device Connectivity'
3. Tap on the 'Easy projection' and enable 'Wireless projection'. Available devices will be listed
4. Select the TV you would like to cast to

or

1. Slide down the notification panel
2. Tap on 'Wireless projection'
3. Select the TV you would like to cast to

If the mobile app is Cast-enabled, such as YouTube, Dailymotion, Netflix, you can cast your app to your TV. On the mobile app, look for the Google Cast icon and tap on it. Available devices will be detected and listed. Select your TV from the list and tap on it to start casting.

**To cast an app to the TV screen...**

1. On your smartphone or tablet, open an app that supports Google Cast
2. Tap the Google Cast icon
3. Select the TV you would like to cast to
4. The app you selected should start playing on TV

## Notes:

Google Cast works on Android and iOS. Make sure that your mobile device is connected to the same network as your TV.

The menu options and namings for Google Cast function on your Android device can differ from brand to brand and can change with time. Refer to your device's manual for latest information on Google Cast function.

## HBBTV System

HbbTV (Hybrid Broadcast Broadband TV) is a standard that seamlessly combines TV services delivered via broadcast with services delivered via broadband and also enables access to the Internet only services for consumers using connected TVs and set-top boxes. Services delivered through HbbTV include traditional broadcast TV channels, catch-up services, video on demand, electronic programme guide, interactive advertising, personalisation, voting, games, social networking and other multimedia applications.

HbbTV applications are available on channels where they are signalled by the broadcaster.

The HbbTV applications are generally launched with the press of a coloured button on the remote. Generally a small red button icon will appear on the screen in order to notify the user that there is an HbbTV application on that channel. Press the button indicated on the screen to launch the application.

HbbTV applications use the buttons on the remote control to interact with the user. When an HbbTV application is launched, the control of some buttons are owned by the application. For example, numeric channel selection may not work on a teletext application where the numbers indicate teletext pages.

HbbTV requires AV streaming capability for the platform. There are numerous applications providing VOD (video on demand) and catch-up TV services. The **OK** (play&pause), **Stop**, **Fast forward**, and **Rewind** buttons on the remote control can be used to interact with the AV content.

**Note:** You can enable or disable this feature from the **TV Options>Advanced Options>HBBTV Settings** menu in Live TV mode.

## Quick Standby Search

If earlier an automatic search is performed, your TV will search for new or missing digital channels at 05:00 am every morning while in quick standby mode.

And if the **Auto Channel Update** option in the **Settings>Channel** menu is enabled the TV will wake up within 5 minutes after it is switched into quick standby mode and search for channels. Standby LED will blink during this process. Once the standby LED stops blinking the search process is completed. Any new found channels will be added to the channel list. If the channel list is updated, you will be informed on the changes at the next power on.

## Software Update

Your TV is capable of finding and updating the software automatically via Internet.

To experience the best use of your TV and benefit from the latest improvements make sure your system is always up to date.

### Software update via internet

On the Home Screen enter the **Settings>Device Preferences>About** menu in order to update your Android system version. Move the focus to the **System update** option and press **OK**. You will be informed about the system status and the time at which the device was last checked for an update will be displayed. The **Check for update** option will be highlighted, press **OK** if you want to check for an available update.

**Note:** Do not unplug the power cord during the reboot process. If the TV fails to come on after the upgrade, unplug, wait for two minutes then plug it back in.

## Troubleshooting & Tips

### TV does not switch on

- Make sure the power cord is plugged in securely to the power outlet.
- Disconnect the power cord from the power outlet. Wait for one minute then reconnect it.
- Press the **Standby/On** button on the TV.

### TV does not respond to the remote control

- The TV requires some time to start up. During this time, the TV does not respond to the remote control or TV controls. This is normal behaviour.
- Check if the remote control is working by means of a mobile phone camera. Put the phone in camera mode and point the remote control to the camera lens. If you press any key on the remote control and you notice the infra red LED flicker through the camera, the remote control is working. The TV needs to be checked.

If you do not notice the flickering, the batteries may be exhausted. Replace the batteries. If the remote is still not working, the remote control might be broken and needs to be checked.

This method of checking the remote control is not possible with remote controls which are wirelessly paired with the TV.

### No Channels

- Make sure that all cables are properly connected and that the correct network is selected.
- Make sure that the correct channel list is selected.
- Make sure that you have entered the correct channel frequency if you have done manual tuning.



### No picture / distorted picture

- Make sure that the antenna is properly connected to the TV.
- Make sure that the antenna cable is not damaged.
- Make sure that the correct device is selected as the input source.
- Make sure that the external device or source is properly connected.
- Make sure that the picture settings are set correctly.
- Loud speakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- Change to a different picture format, if the picture does not fit the screen
- Make sure that your PC uses the supported resolution and refresh rate.

### No sound / poor sound

- Make sure that the sound settings are correctly set.
- Make sure that all cables are properly connected.
- Make sure that the volume is not muted or set to zero, increase the volume to check.
- Make sure that the TV audio output is connected to the audio input on the external sound system.
- Sound may be coming from only one speaker. Check the balance settings from **Sound** menu.

### Input sources - can not be selected

- Make sure that the device is connected to the TV.
- Make sure that all cables are properly connected.
- Make sure that you select the right input source which is dedicated to the connected device.
- Make sure that the right input source is not hidden from the **Inputs** menu.

## HDMI Signal Compatibility

| Source | Supported Signals |                              |
|--------|-------------------|------------------------------|
| HDMI   | 480i              | 60Hz                         |
|        | 480p              | 60Hz                         |
|        | 576i, 576p        | 50Hz                         |
|        | 720p              | 50Hz,60Hz                    |
|        | 1080i             | 50Hz,60Hz                    |
|        | 1080p             | 24Hz, 25Hz, 30Hz, 50Hz, 60Hz |
|        | 3840x2160p        | 24Hz, 25Hz, 30Hz, 50Hz, 60Hz |
|        | 4096x2160p        | 24Hz, 25Hz, 30Hz, 50Hz, 60Hz |

In some cases a signal on the TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc. ). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

# Supported File Formats for USB Mode

## Video Decoder

| Video Codec    | Resolution      | Bit Rate | Pr file  | Container   |
|----------------|-----------------|----------|--|---|
| VP9            | 4096x2176@60fps | 100Mbps  | Profile 0 (420 8-bit)<br>Profile 2, (420, 10-bit)  | MKV (.mkv), WebM (.webm)  |
| HEVC/H.265     | 4096x2176@60fps | 100Mbps  | Main (8-bit)/Main10 (10-bit)<br>Profile, High Tier @<br>Level 5.1  | MP4 (.mp4, .mov), 3GPP (.3gpp, .3gp),<br>MPEG transport stream (.ts, .trp, .tp),<br>MKV (.mkv), FLV (.flv), AVI (.avi), H265<br>(.265)  |
| MPEG1/2        | 1920x1080@60fps | 80Mbps   | MP@HL  | MPEG program stream (.DAT, .VOB,<br>.MPG, .MPEG), MPEG transport stream<br>(.ts, .trp, .tp), MP4 (.mp4, .mov), 3GPP<br>(.3gpp, .3gp), AVI (.avi), MKV (.mkv),<br>ASF (.asf), WMV (.wmv), OGM (.ogm)                             |
| MPEG4          | 1920x1080@60fps | 40Mbps   | <ul style="list-style-type: none"> <li>Simple Profile</li> <li>Advanced Simple Profile @Level 5</li> <li>GMC is not supported</li> </ul> | MP4 (.mp4, .mov), 3GPP (.3gpp, .3gp),<br>AVI (.avi), MKV (.mkv), ASF (.asf), WMV<br>(.wmv), FLV (.flv), OGM (.ogm), MPEG<br>transport stream (.ts, .trp, .tp), MPEG<br>program stream (.DAT, .VOB, .MPG,<br>.MPEG)              |
| Sorenson H.263 | 1920x1080@60fps | 40Mbps   |  | FLV (.flv), AVI (.avi)  |
| H.263          | 1920x1080@60fps | 40Mbps   | Baseline Profile Only  | FLV (.flv), MP4 (.mp4, .mov), 3GPP<br>(.3gpp, .3gp), AVI (.avi), ASF (.asf),<br>WMV (.wmv)  |
| H.264          | 4096x2304@60fps | 135Mbps  | Main and high profile<br>up to level 5.2   | FLV (.flv), MP4 (.mp4, .mov), 3GPP<br>(.3gpp, .3gp), MPEG transport stream<br>(.ts, .trp, .tp), ASF (.asf), WMV (.wmv),<br>AVI (.avi), MKV (.mkv), OGM (.ogm),<br>MPEG program stream (.DAT, .VOB,<br>.MPG, .MPEG), H264 (.264) |
| AVS            | 1920x1080@60fps | 50Mbps   | Jizhun profile @ Level<br>6.0  | MPEG transport stream (.ts, .trp, .tp),<br>MP4 (.mp4, .mov), AVS (.avs)   |
| AVS+           | 1920x1080@60fps | 50Mbps   | Broadcasting Profile @<br>Level 6.0.1.08.60  | MPEG transport stream (.ts, .trp, .tp),<br>AVS (.avs)   |
| AVS2           | 4096x2176@60fps | 100Mbps  | Main (8-bit)/Main10 (10-bit)<br>Profile @Level 8.2.60  | MPEG transport stream (.ts, .trp, .tp),<br>AVS2 (.avs2)   |
| WMV3           | 1920x1080@60fps | 40Mbps   |  | ASF (.asf), AVI (.avi), MKV (.mkv), WMV<br>(.wmv), 3GPP (.3gpp, .3gp), MP4 (.mp4,<br>.mov), OGM (.ogm)  |
| VC1            | 1920x1080@60fps | 40Mbps   | <ul style="list-style-type: none"> <li>Advanced Profile @<br/>Level 3</li> <li>Simple Profile</li> <li>Main Profile</li> </ul>           | MPEG transport stream (.ts, .trp, .tp),<br>ASF (.asf), WMV (.wmv), AVI (.avi),<br>MKV (.mkv), 3GPP (.3gpp, .3gp), MP4<br>(.mp4, .mov), VC1 (.vc1)   |
| Motion JPEG    | 1920x1080@30fps | 40Mbps   |  | AVI (.avi), 3GPP (.3gpp, .3gp), MP4<br>(.mp4, .mov), MKV (.mkv), FLV (.flv),<br>OGM (.ogm)  |
| VP8            | 1920x1080@60fps | 50Mbps   |  | MKV (.mkv), WebM (.webm), FLV (.flv),<br>3GPP (.3gpp, .3gp), MP4 (.mp4, .mov),<br>AVI (.avi), OGM (.ogm)  |
| RV30/RV40      | 1920x1080@60fps | 40Mbps   |  | RM (.rm, .rmvb), MKV (.mkv)   |
| AV1            | 4096x2176@60fps | 100Mbps  | Main Profile @Level<br>5.1   | MP4 (.mp4, .mov), 3GPP (.3gpp, .3gp),<br>MKV (.mkv), WebM (.webm)   |

## Video Encoder

| Video Codec | Max Resolution  | Max Bit Rate | Pr file                 | Note                   |
|-------------|-----------------|--------------|-------------------------|------------------------|
| H.264       | 1920x1080@30fps | 12Mbps       | Main profile, level 4.1 | Hardware video encoder |

## Audio

| Audio Codec        | Sample rate           | Channel   | Bit Rate  | Container  | Note                         |
|--------------------|-----------------------|-----------|---|--|------------------------------|
| MPEG1/2 Layer1     | 16KHz ~ 48KHz         | Up to 2   | 32Kbps ~ 448Kbps  | MP3 (.mp3), AVI (.avi), ASF (.asf), WMV (.wmv), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), FLV (.flv), WAV (.wav), OGM (.ogm)                       |                              |
| MPEG1/2 Layer2     | 16KHz ~ 48KHz         | Up to 2   | 8Kbps ~ 384Kbps   | MP3 (.mp3), AVI (.avi), ASF (.asf), WMV (.wmv), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), FLV (.flv), WAV (.wav), OGM (.ogm)                       |                              |
| MPEG1/2/2.5 Layer3 | 8KHz ~ 48KHz          | Up to 2   | 8Kbps ~ 320Kbps   | MP3 (.mp3), AVI (.avi), ASF (.asf), WMV (.wmv), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), FLV (.flv), WAV (.wav), OGM (.ogm)                       |                              |
| AC3(DD)            | 32KHz, 44.1KHz, 48KHz | Up to 5.1 | 32Kbps ~ 640Kbps  | AC3 (.ac3), AVI (.avi), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), WMV (.wmv), ASF (.asf), OGM (.ogm)   |                              |
| EAC3(DDP)          | 32KHz, 44.1KHz, 48KHz | Up to 5.1 | 32Kbps ~ 6Mbps  | EAC3 (.ec3), AVI (.avi), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), WMV (.wmv), ASF (.asf), OGM (.ogm)  |                              |
| AAC-LC, HEAAC      | 8KHz ~ 48KHz          | Up to 5.1 | AAC-LC: 12Kbps~576Kbps<br>V1 6Kbps ~ 288Kbps<br>V2: 3Kbps ~ 144Kbps | AAC (.aac), AVI (.avi), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), FLV (.flv), RM (.rm, .rmvb, .ra), WAV (.wav), WMV (.wmv), ASF (.asf), OGM (.ogm) |                              |
| WMA                | 8KHz ~ 48KHz          | Up to 2   | 128Kbps ~ 320Kbps   | ASF (.asf), WMV (.wma, .wmv), AVI (.avi), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov)   | WMA 7, WMA 8, WMA 9 Standard |
| WMA 10 Pro M0      | 8KHz ~ 48KHz          | Up to 2   | < 192Kbps   | ASF (.asf), WMV (.wma, .wmv), AVI (.avi), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov)   |                              |

| Audio Codec                       | Sample rate                         | Channel   | Bit Rate                        | Container  | Note                          |
|-----------------------------------|-------------------------------------|---|---------------------------------|--|-------------------------------|
| WMA 10 Pro M1                     | 8KHz ~ 48KHz                        | Up to 5.1   | < 384Kbps                       | ASF (.asf), WMV (.wma, .wmv), AVI (.avi), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov)   |                               |
| WMA 10 Pro M2                     | 8KHz ~ 96KHz                        | Up to 5.1   | < 768Kbps                       | ASF (.asf), WMV (.wma, .wmv), AVI (.avi), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov)   |                               |
| VORBIS                            | Up to 48KHz                         | Up to 2   |                                 | MKV (.mkv, .mka), WebM (.webm), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), Ogg (.ogg), WMV (.wmv), ASF (.asf), AVI (.avi)  | Supports stereo decoding only |
| DTS                               | Up to 48KHz                         | Up to 5.1   | < 1.5Mbps (Pure DTS core)       | MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), WAV (.wav), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), AVI (.avi), OGM (.ogm), DTS (.dts)                         |                               |
| DTS LBR                           | 12KHz, 22KHz, 24KHz, 44.1KHz, 48KHz | Up to 5.1   | Up to 2Mbps                     | MP4 (.mp4, .mov), 3GPP (.3gpp, .3gp), MPEG transport stream (.ts, .trp, .tp)   |                               |
| DTS XLL                           | Up to 96KHz                         | Up to 6   | Up to 6.123Mbps                 | MPEG transport stream (.ts, .trp, .tp), MP4 (.mp4, .mov), 3GPP (.3gpp, .3gp)   |                               |
| DTS Master Audio                  | Up to 48KHz                         | Up to 6   | Up to 24.537Mbps                | MPEG transport stream (.ts, .trp, .tp), MP4 (.mp4, .mov), GPP (.3gpp, .3gp)  | only decode DTS core          |
| LPCM                              | 8KHz ~ 48KHz                        | Mono, Stereo, 5.1                                   | 64Kbps ~ 1.5Mbps                | WAV (.wav), AVI (.avi), MKV (.mkv, .mka), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), MPEG transport stream (.ts, .trp, .tp), MPEG program stream (.DAT, .VOB, .MPG, .MPEG), WMV (.wmv), ASF (.asf), FLV (.flv), OGM (.ogm) |                               |
| IMA-ADPCM MS-ADPCM                | 8KHz ~ 48KHz                        | Up to 2   | 32Kbps~384Kbps                  | WAV (.wav), AVI (.avi), MKV (.mkv, .mka), OGM (.ogm)   |                               |
| G711 A/mu-law                     | 8KHz                                | 1   | 64Kbps                          | WAV (.wav), AVI (.avi), MKV (.mkv, .mka), FLV (.flv)   |                               |
| LBR (cook)                        | 8KHz, 11.025KHz, 22.05KHz, 44.1KHz  | Up to 5.1   | 6Kbps ~ 128Kbps                 | RM (.rm, .rmvb, .ra)   |                               |
| FLAC                              | 8KHz~96KHz                          | Up to 7.1   | < 1.6Mbps                       | MKV (.mkv, .mka), FLAC (.flac)   |                               |
| OPUS                              | 8KHz ~ 48KHz                        | Up to 6   | 6Kbps ~ 510Kbps                 | MKV (.mkv, .mka), WebM (.webm)   |                               |
| AC4                               | 44.1KHz, 48KHz                      | Up to 5.1 (MS12 v1.x)<br>Up to 7.1 (MS12 v2.x)      | Up to 1521Kbps Per Presentation | MPEG transport stream (.ts, .trp, .tp), 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a), AC4 (.ac4)  |                               |
| Fraunhofer MPEG-H TV Audio System | 32KHz, 44.1KHz, 48KHz               | Up to 16 core channels<br>Up to 5.1 Channels Output | ~1.2 Mbps                       | 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a)  |                               |
| AMR-NB                            | 8KHz                                | 1   | 4.75~12.2Kbps                   | 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a)  |                               |
| AMR-WB                            | 16KHz                               | 1   | 6.6 ~ 23.85Kbps                 | 3GPP (.3gpp, .3gp), MP4 (.mp4, .mov, m4a)  |                               |

## Picture

| Image | Photo       | Resolution<br>(width x height) |
|-------|-------------|--------------------------------|
| JPEG  | Base-line   | 15360 x 8640                   |
|       | Progressive | 1024 x 768                     |
| PNG   |             | 9600 x 6400                    |
| BMP   |             | 9600 x 6400                    |
| GIF   |             | 6400 x 4800                    |
| WebP  |             | 3840 x 2160                    |
| HEIF  |             | 4000 x 3000                    |

## Subtitle

### Internal

| File Extension | Container | Subtitle Codec                                |
|----------------|-----------|---|
| ts, trp, tp    | TS        | DVB Subtitle<br>Teletext<br>CC(EIA608)<br>PGS |
| mp4            | MP4       | VobSub<br>PGS<br>TX3G                         |
| mkv            | MKV       | ASS<br>SSA<br>SRT<br>VobSub<br>PGS            |

### External

| File Extension | Subtitle Parser                               | Remark |
|----------------|---|--------|
| .srt           | SubRip  |        |
| .ssa/.ass      | SubStation Alpha<br>Advanced SubStation Alpha |        |
| .smi           | SAMI  |        |
| .sub           | MicroDVD<br>SubIdx (VobSub)                   |        |
| .txt           | TMPlayer                                      |        |

## Supported DVI Resolutions

When connecting devices to your TV's connectors by using a DVI converter cable (DVI to HDMI cable - not supplied), you can refer to the following resolution information.

|           | 56Hz | 60Hz | 66Hz | 70Hz | 72Hz | 75Hz |
|-----------|------|------|------|------|------|------|
| 640x480   |      | x    |      |      |      | x    |
| 800x600   | x    | x    |      |      |      | x    |
| 1024x768  |      | x    |      | x    |      | x    |
| 1280x768  |      | x    |      |      |      | x    |
| 1280x960  |      | x    |      |      |      |      |
| 1360x768  |      | x    |      |      |      |      |
| 1366x768  |      | x    |      |      |      |      |
| 1280x1024 |      | x    |      | x    |      | x    |
| 1400x1050 |      | x    |      |      |      |      |
| 1600x900  |      | x    |      |      |      |      |

## Specification

|   |   |
|---|---|
| <b>TV Broadcasting</b>                                  | PAL BG//DK<br>SECAM BG/DK   |
| <b>Receiving Channels</b>                               | VHF (BAND I/III) - UHF<br>(BAND U) - HYPERBAND  |
| <b>Digital Reception</b>                                | Fully integrated digital<br>terrestrial-cable-satellite TV<br>(DVB-T-C-S)<br>(DVB-T2, DVB-S2 compliant) |
| <b>Number of Preset<br/>Channels</b>                    | 12 200  |
| <b>Channel Indicator</b>                                | On Screen Display   |
| <b>RF Aerial Input</b>                                  | 75 Ohm (unbalanced)   |
| <b>Operating Voltage</b>                                | 220-240V AC, 50Hz.  |
| <b>Audio</b>  | DTS Virtual:X<br>DTS X<br>Dolby Atmos   |
| <b>Audio Output Power<br/>(WRMS.) (10% THD)</b>         | 2 x 10  |
| <b>Power Consumption (W)</b>                            | 120W  |
| <b>Networked Standby<br/>Power Consumption (W)</b>      | < 2   |
| <b>TV Dimensions DxLxH<br/>(with foot) (mm)</b>         | 235 x 964 x 612   |
| <b>TV Dimensions DxLxH<br/>(without foot) (mm)</b>      | 32/66 x 964 x 561   |
| <b>Display</b>  | 43"   |
| <b>Operation temperature<br/>and operation humidity</b> | 0°C up to 40°C, 85%<br>humidity max   |

## Wireless LAN Transmitter Specifications

| Frequency Ranges                | Max Output Power |
|---------------------------------|------------------|
| 2400 - 2483,5 MHz (CH1 - CH13)  | < 100 mW         |
| 5150 - 5250 MHz (CH36 - CH48)   | < 200 mW         |
| 5250 - 5350 MHz (CH52 - CH64)   | < 200 mW         |
| 5470 - 5725 MHz (CH100 - CH140) | < 200 mW         |

### Country Restrictions

This device is intended for home and office use in all EU countries (and other countries following the relevant EU directive) without any limitation except for the countries mentioned below.

| Country            | Restriction   |
|--------------------|---|
| Bulgaria           | General authorisation required for outdoor use and public service   |
| Italy              | If used outside of own premises, general authorisation is required  |
| Greece             | Indoor use only for 5470 MHz to 5725 MHz band   |
| Luxembourg         | General authorisation required for network and service supply (not for spectrum)                                  |
| Norway             | Radio transmission is prohibited for the geographical area within a radius of 20 km from the centre of Ny-Ålesund |
| Russian Federation | Indoor use only   |
| Israel             | 5 GHz band only for 5180 MHz-5320 MHz range   |

The requirements for any country may change at any time. It's recommended that user checks with local authorities for the current status of their national regulations for 5 GHz wireless LAN's.

## Licences

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## Disposal Information

### [European Union]

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2012/19/EU and 2013/56/EU.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

### [Business users]

If you wish to dispose of this product, please contact your supplier and check the terms and conditions of the purchase contract.

### [Other Countries outside the European Union]

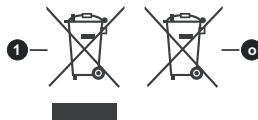
These symbols are only valid in the European Union.

Contact your local authority to learn about disposal and recycling.

The product and packaging should be taken to your local collection point for recycling.

Some collection points accept products free of charge.

**Note:** The sign Pb below the symbol for batteries indicates that this battery contains lead.



1. Products
2. Battery

- TR:** İşbu belge; VESTEL Elektronik Sanayi ve Ticaret A.Ş., telsiz ekipmanı tipi TFT IDTV 'nin 2014/53/AB sayılı direktife uygun olduğunu beyan eder. AB uygunluk beyanının tam metni internet adresinde mevcuttur: doc.vosshub.com
- EN:** Hereby, VESTEL Elektronik Sanayi ve Ticaret A.Ş., declares that the radio equipment type TFT IDTV is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: doc.vosshub.com
- BG:** С настоящото VESTEL Elektronik Sanayi ve Ticaret A.Ş., декларира, че този тип радиосъоръжение TFT IDTV е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: doc.vosshub.com
- CZ:** Tímto VESTEL Elektronik Sanayi ve Ticaret A.Ş., prohlašuje, že typ rádiového zařízení TFT IDTV je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: doc.vosshub.com
- DA:** Hermed erklærer VESTEL Elektronik Sanayi ve Ticaret A.Ş., at radioudstyrstypen TFT IDTV er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: doc.vosshub.com
- DE:** Hiermit erklärt VESTEL Elektronik Sanayi ve Ticaret A.Ş., dass der Funkanlagentyp TFT IDTV der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: doc.vosshub.com
- EL:** Με την παρούσα ο/η VESTEL Elektronik Sanayi ve Ticaret A.Ş., δηλώνει ότι ο ραδιοεξοπλισμός TFT IDTV πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: doc.vosshub.com
- ES:** Por la presente, VESTEL Elektronik Sanayi ve Ticaret A.Ş., declara que el tipo de equipo radioeléctrico TFT IDTV es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: doc.vosshub.com
- ET:** Käesolevaga deklareerib VESTEL Elektronik Sanayi ve Ticaret A.Ş., et käesolev raadioseadme tüüp TFT IDTV vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: doc.vosshub.com
- FI:** VESTEL Elektronik Sanayi ve Ticaret A.Ş., vakuuttaa, että radiolaitetyypin TFT IDTV on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: doc.vosshub.com
- FR:** Le soussigné, VESTEL Elektronik Sanayi ve Ticaret A.Ş., déclare que l'équipement radioélectrique du type TFT IDTV est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: doc.vosshub.com
- HR:** VESTEL Elektronik Sanayi ve Ticaret A.Ş., ovime izjavljuje da je radijska oprema tipa TFT IDTV u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: doc.vosshub.com
- HU:** VESTEL Elektronik Sanayi ve Ticaret A.Ş., igazolja, hogy a TFT IDTV típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: doc.vosshub.com
- IT:** Il fabbricante, VESTEL Elektronik Sanayi ve Ticaret A.Ş., dichiara che il tipo di apparecchiatura radio TFT IDTV è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: doc.vosshub.com
- LT:** Aš, VESTEL Elektronik Sanayi ve Ticaret A.Ş., patvirtinu, kad radijo įrenginių tipas TFT IDTV atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: doc.vosshub.com
- LV:** Ar šo VESTEL Elektronik Sanayi ve Ticaret A.Ş., deklarē, ka radioiekārta TFT IDTV atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: doc.vosshub.com
- MT:** B'dan, VESTEL Elektronik Sanayi ve Ticaret A.Ş., niddikjara li dan it-tip ta' taghmir tar-radju TFT IDTV huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: doc.vosshub.com
- NL:** Hierbij verklaar ik, VESTEL Elektronik Sanayi ve Ticaret A.Ş., dat het type radioapparaat TFT IDTV conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: doc.vosshub.com
- PL:** VESTEL Elektronik Sanayi ve Ticaret A.Ş., niniejszym oświadczam, że typ urządzenia radiowego TFT IDTV jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: doc.vosshub.com
- PT:** O(a) abaixo assinado(a) VESTEL Elektronik Sanayi ve Ticaret A.Ş., declara que o presente tipo de equipamento de rádio TFT IDTV está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: doc.vosshub.com
- RO:** Prin prezenta, VESTEL Elektronik Sanayi ve Ticaret A.Ş., declară că tipul de echipamente radio TFT IDTV este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: doc.vosshub.com
- SK:** VESTEL Elektronik Sanayi ve Ticaret A.Ş., týmto vyhlasuje, že rádiové zariadenie typu TFT IDTV je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: doc.vosshub.com
- SL:** VESTEL Elektronik Sanayi ve Ticaret A.Ş., potrjuje, da je tip radijske opreme TFT IDTV skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: doc.vosshub.com
- SV:** Härmed försäkrar VESTEL Elektronik Sanayi ve Ticaret A.Ş., att denna typ av radioustrüstning TFT IDTV överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: doc.vosshub.com

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