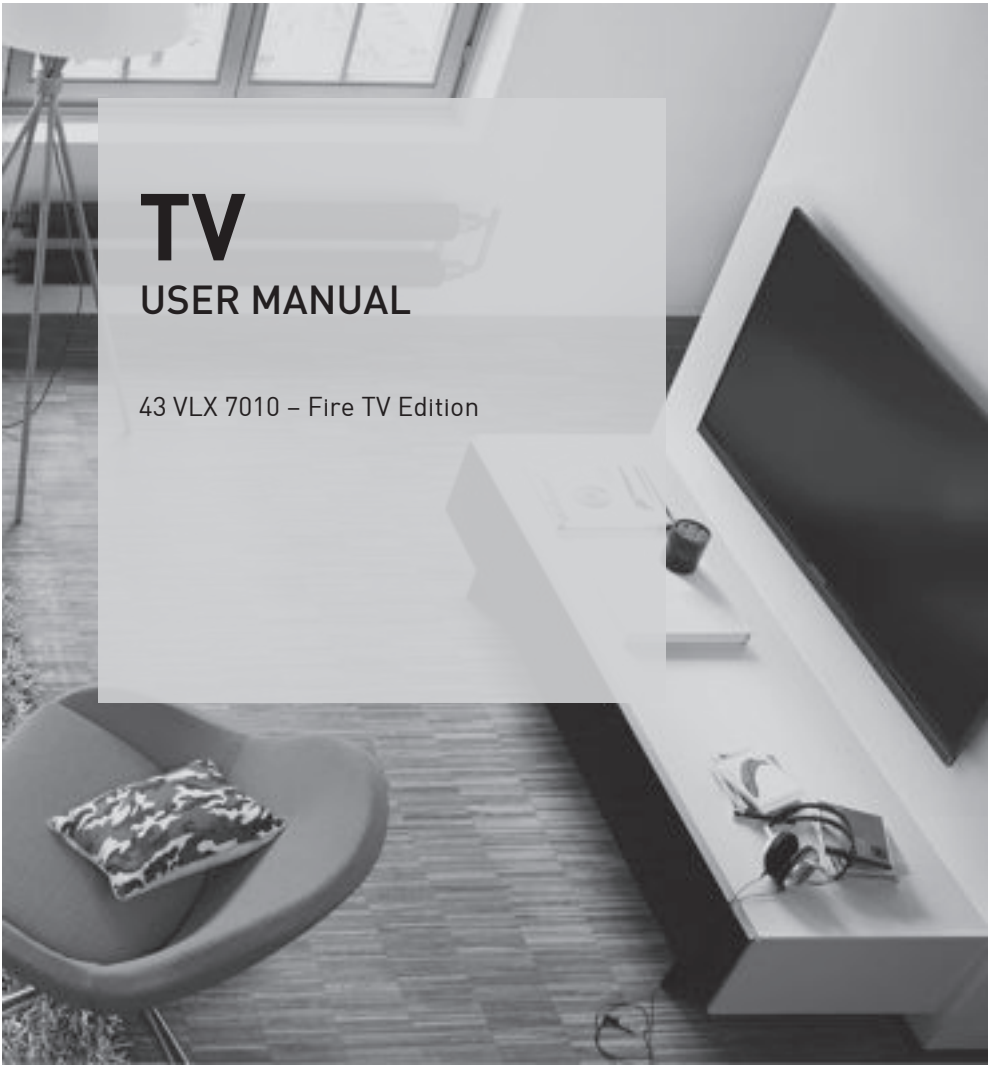


TV
USER MANUAL

43 VLX 7010 – Fire TV Edition

EN

www.grundig.com

GRUNDIG

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About Your TV

- Fire TV allows you to access your favorite TV shows, movies, subscription services, songs, pictures and games.
- You can use your TV to watch digital TV shows on DVB-S, DVB-T and DVB-C
- Many features of the TV set require an Internet connection. The TV set is equipped with WLAN feature and a LAN port.

Intended use

- The TV set is designed for use in dry rooms.
- Use the TV set with the supplied stand or a suitable VESA bracket.
- The TV set is primarily intended for the playback of TV programmes, streaming content and audio/video material from external devices. Any other use is strictly prohibited.
  It is not intended as an information display or for predominant use as a computer monitor.
  If a still image or a non-full-format image is displayed for an extended period, visible traces may remain on the screen for some time.
  This is not a defect that can be used as the basis for a warranty claim.

Safety

⚠ WARNING

Risk of electrical accident

IMPORTANT SAFETY INSTRUCTIONS - KEEP INSTRUCTIONS FOR FUTURE REFERENCE

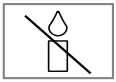
Immediately followed by:Read all safety warnings, instructions, illustrations and specifications provided with this appliance.

- Standby LED is off while mains plug is disconnected. If Standby LED is lit then it means that your product is connected to mains.
- Do not dismantle the TV set. Safety risks may arise and also the guarantee of the product can become void if the television set is dismantled.

The TV set can only be operated with the power cable or the AC/DC adapter supplied with the product.

- Do not operate the TV set with a damaged power cable/AC/DC adaptor (if supplied).
- If the plug on the TV set has an earthing contact, insert the plug only into a socket with an earthing contact.
- Plug the TV set into the mains socket only after you have connected the external devices and the antenna.
- Protect the TV set from moisture. Do not place any vessels filled with water (such as vases) on the TV.

Fire hazard

- 
  To prevent the spread of fire, keep candles or other open flames away from this product at all times.
- Do not cover the ventilation slots on the TV set.
- Always unplug the power plug and antenna plug during lightning and thunderstorm.
- Keep candles or other open flames away from the TV set.
- Do not expose the batteries to extreme heat such as sunshine, fire or the like.
- Only use batteries of the same type (brand, size, properties). Do not use used and new batteries together.

⚠ WARNING

Injuries caused by falling TV set

Never place the TV set on an unstable surface. The TV set may fall, causing serious injury, possibly leading to death in isolated cases. Observe the following precautions especially to protect the children from such negative incidents:

- Make sure that the stand or other furniture you will place the TV on is robust enough to carry the television.
- Sides of the TV must not extend beyond the on which the television is placed.
- Do not place the television on furniture such as cupboard, sideboard, bookshelf that tends to tip over. If you have no other choice, fix the furniture and the TV set to the wall to prevent them from tipping over.
- There must be no cover, lace, cloth, tulle or similar items between the television and the stand/furniture you have placed the television on.
- Instruct children that there is danger associated with climbing on furniture when the TV set is to be reached.
- Consider the above mentioned warnings whenever you change the location of the TV set.

CAUTION

Shortened service life due to high operating temperature

- Do not place the TV set next to heating units or in direct sunlight.
- To ensure adequate ventilation, maintain clearance of at least 10 cm around the TV set.

Discolouration of furniture due to rubber feet

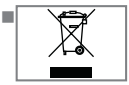
- Some furniture surfaces may discolor when they come in contact with rubber. To protect furniture, you can place a sheet made of glass or plastic under the stand. Do not use textile underlays or mats such as doilies.

Electromagnetic interference

- Devices connected to the product (satellite receiver, DVD player, and etc.) or signal emitting devices (router and etc.) close to the product may cause disturbance in the image and noise in the sound.
- Connection cables used on the product must be shorter than 3 m.
- If the product cannot perform its function due to electrostatic discharge, the user may need to switch off and then switch on the product.
- A shielded, HDMI-certified and ferrite cable must be used with the product.

Environmental information

- 

Do not dispose of batteries in the household waste. Used batteries must be returned to retail stores or public collection points. You help protect the environment in this way.
- Be sure to dispose of packaging materials for your product separately according to the guidelines of local authorities so that they can be recycled in an environmentally safe manner.
- Switch the TV set to stand-by if you will not use it for a while. In standby mode, the TV set uses very little energy (≤ 0.5 W).
  If you do not use the TV set for an extended period, turn it off with the power switch or unplug the power cord from the socket.
- Select a location where no direct sunlight falls on the screen. Thus, you can select a lower backlight and provide power saving.
- 
Do not dispose of the product along with normal household waste at the end of its service life. Take it to a recycling centre for electrical and electronic equipment.

Special features of your television set

- Fire TV allows you to access your favorite TV shows, movies, subscription services, songs, pictures and games.
- Your television set enables you to receive and watch digital stations (via DVB-S, DVB-T and DVB-C), including the High Definition (HD) ones. At present, reception for these digital television channels in High Definition is only possible in some countries in Europe.
- Although this television meets the current DVB-S, DVB-T and DVB-C standards as of August 2012, its compatibility with future DVB-S digital satellite broadcasts, DVB-T digital terrestrial broadcasts and DVB-C digital cable broadcasts is not guaranteed.
- This television can receive and process all unencrypted digital stations. This television set has an integrated digital receiver. The digital receiver unit converts the signals from digital stations to provide outstanding audio and picture quality.
- The TV guide (only for digital stations) tells you of any schedule changes at short notice, and provides an overview of all the channels' schedules for the next few days.

Receiving digital stations

- To receive digital satellite stations (DVB-S) you need a satellite antenna.
- To receive digital stations (DVB-T) you need a digital rooftop or indoor antenna (passive or active indoor antenna with its own power supply).
- The antenna cable of the cable TV network that broadcast in DVB-C must be plugged into TV in order to receive the DVB-C broadcasts.
- You can find the current transmission information on teletext from various broadcasters, or look in a TV guide or on the Internet.
- Various digital television stations from private broadcasters are encrypted (DVB-S, DVB-T and DVB-C). Watching these stations is only possible with the appropriate CI module and a SmartCard. Ask your specialist dealer.

SCR System

Your TV supports SCR system (Single Channel Router). With SCR satellite system, several users can individually receive all signals from the satellite simultaneously.

Things to do for energy saving

Those items mentioned below will help you reduce the consumption of natural resources as well as save your money by reducing electricity bills.

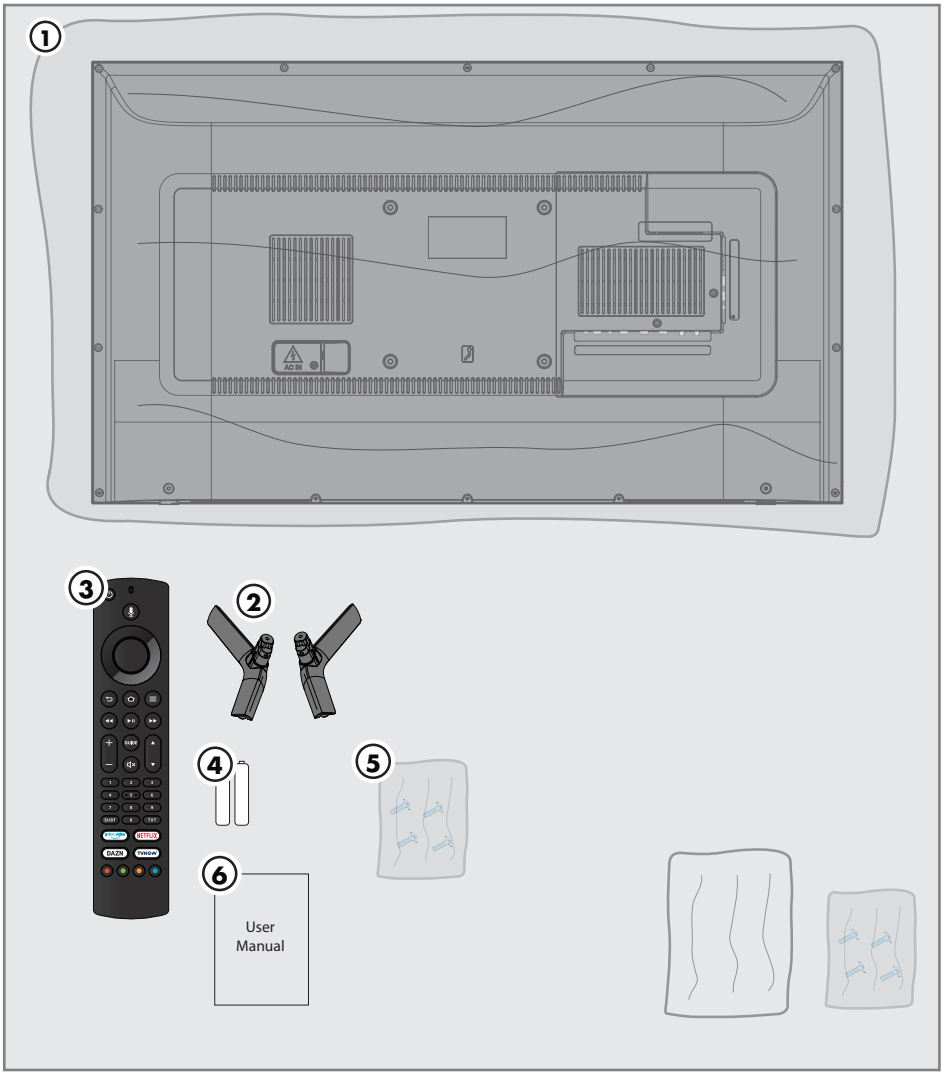
- If you will not be using the TV set for several days, it should be disconnected from the mains for environmental and safety reasons. TV will not consume energy in this condition.
- If the TV set has main switch, it will be enough to turn the TV off via main switch. TV will reduce energy consumption almost to Zero Watt.
- TV consumes less energy when brightness is reduced.

Notes on still pictures

Watching the same image for a long time on the screen may cause a still image to remain feebly in the background. Feeble images in the background are originated from the LCD/LED technology and does not require any action under guarantee. To avoid such cases and/or minimise the impact, you may observe the tips below.

- Do not allow the same TV channel to stay on the screen for a very long time. Channel logos may cause this situation.
- Do not allow pictures that are not full-screen to constantly stay on the screen; if not streamed in full screen format by the broadcaster, you can convert the pictures to full screen by changing picture formats.
- Higher brightness and/or contrast values will lead this impact to appear faster; therefore, you are recommended to watch your TV in the lowest brightness and contrast levels that would satisfy you.

PACKAGING CONTENTS



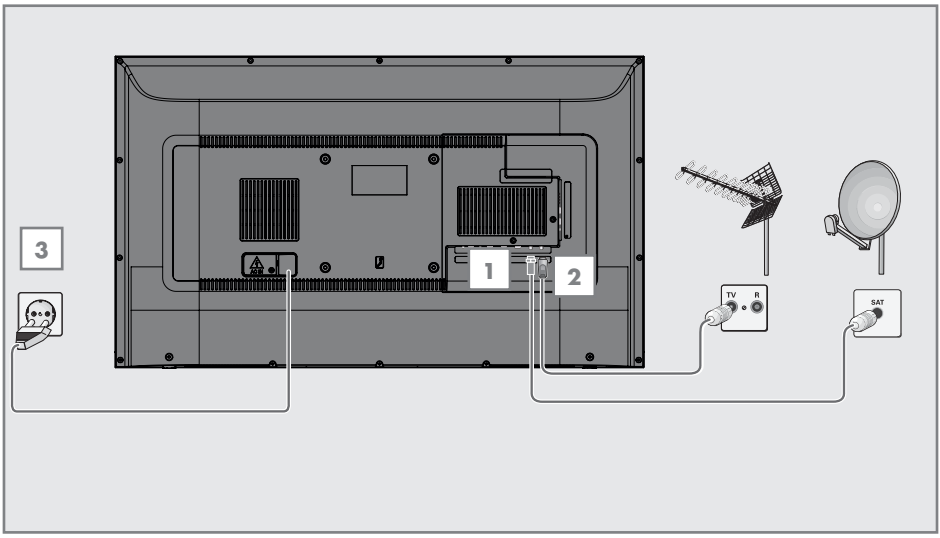
Standard accessories

1 Television
2 Stand
3 Remote control
4 Battery for remote control
5 Screws and mounting instructions for stand
6 Quick Instruction Manual

Optional accessories

Cleaning cloth
Wall hanging screws

Connecting the antenna and the power cable



1 To receive digital satellite channels (DVB-S), connect the satellite antenna cable to the »**SATELLITE**« antenna socket on the television set;

and / or

2a For terrestrial digital stations (DVB-T), plug the cable of the rooftop, indoor antenna (passive or active indoor antenna with its own power supply) into the antenna socket »**ANT IN**« on the television set;

or

2b For digital stations of the cable TV network (DVB-C), plug the antenna cable into the antenna socket »**ANT IN**« on the television set;

Note:

- When connecting an indoor antenna you may have to try it out at different positions until you get the best reception.

3 Plug the mains cable into the wall socket.

Note:

- Plug the appliance into the mains socket only after you have connected the external devices and the antenna.
- Do not use adapter plugs or extension cables that do not meet the applicable safety standards. Do not tamper with the power cable.

Installation or hanging

- Select a location so that no direct sunlight falls on the screen.

Installation with stand

- To mount the stand, refer to the installation instructions included.
- Place the TV set on a hard, level surface.

Preparing for mounting on the VESA installation kit

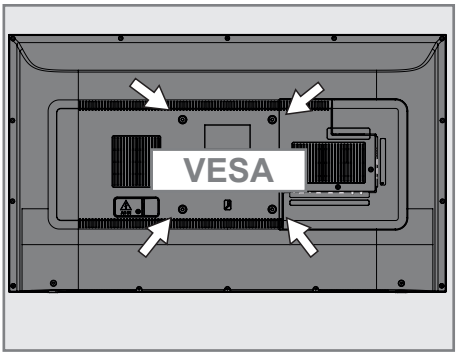
Contact authorised dealer to purchase the bracket.

You will need the following:

- A pair of scissors,
- A cross-tip screwdriver.

Follow the installation instructions for the VESA installation kit.

1. Place the TV set on a smooth surface with the screen facing down without removing the film on it.
2. Cut open the film on the back side using the scissors.
3. Connect the required cables to the connectors on the TV set. See the "Connections" section in this manual.
4. Tie the cables so they do not hang down onto the floor.
5. Screw the VESA installation kit onto the TV set and mount it according to its installation instructions.



Inserting batteries into the remote control

1 Open the battery compartment.

2 Insert batteries as marked on the bottom of the battery compartment (2 × Alkaline/ LR03/AAA).

3 Close the battery compartment.



Note:

- If the television no longer reacts properly to remote control commands, the batteries may be flat. Never keep flat batteries inside the battery compartment.
- The manufacturer accepts no liability for damages resulting from used batteries.

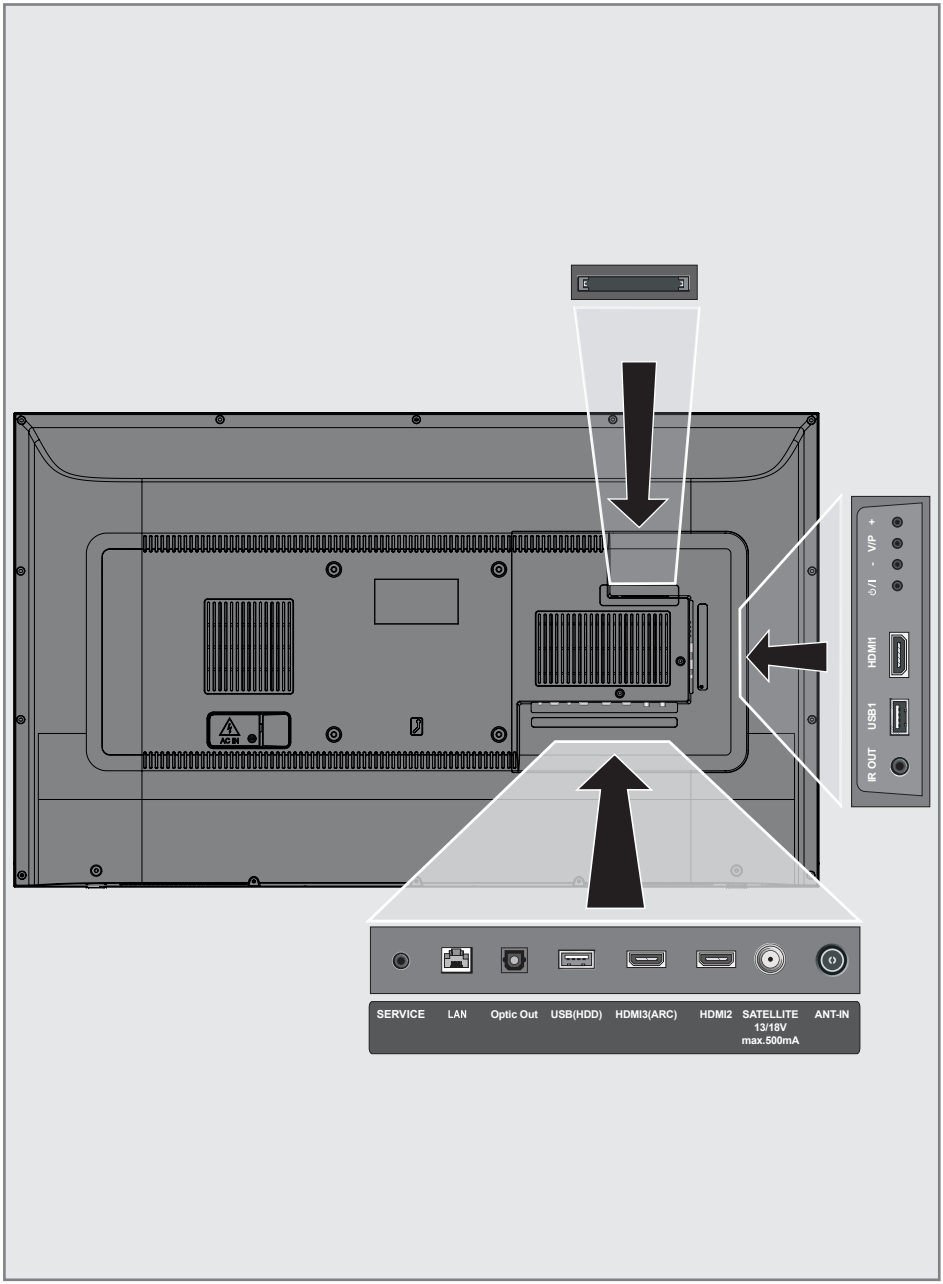
Environmental note

- 

This symbol on the battery or on the packaging indicates that the battery provided with this product must not be treated as household waste. On certain batteries, this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.

  Batteries, including those that contain no heavy metals, must not be disposed of with household waste. Please dispose of used batteries in an environmentally friendly manner. Learn about the legal regulations which apply in your area.

Connections of the television



- **Service:** Service only.
- **LAN:** Network connection.
- **Optic Out:** optical audio output.
- **USB(HDD):** For external data media.
- **HDMI3 (ARC):** Input for digital audio and image data.
- **HDMI2:** Input for digital audio and image data.
- **SATELLITE:** Input for satellite antenna signal. Suitable for single-cable SCR system.
- **ANT IN:** For antenna cable (terrestrial antenna or cable connection).
- **IR OUT:** IR Blaster output.
- **USB 1:** For data media and keyboard.
- **HDMI1:** Input for digital audio and image data.
- **CI:** For CA modules for receiving scrambled channels.

Buttons of the remote control

Turning on the television and switching it to standby mode

1. Press ⏻/**I** to turn on the television in the stand-by mode.
2. Press ⏻/**I** to switch the television to the stand-by mode.

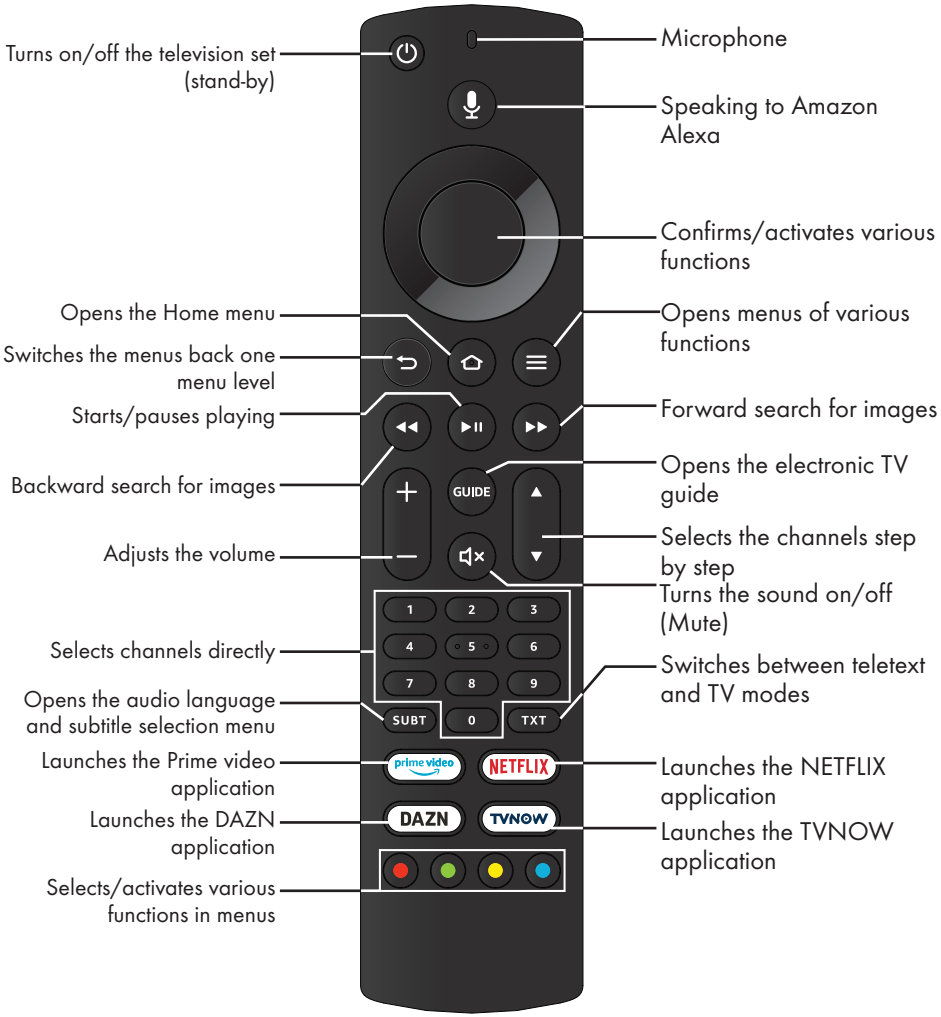
Adjusting the volume

1. Press **V/P**.
2. Press **+** or **–** to select »Volume« and press **V/P** to confirm.
3. Use **+** to increase volume.
4. Use **–** to decrease volume.

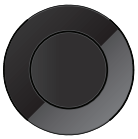
Changing the channel

1. Press **V/P**.
2. Press **+** or **–** to select »Channels« and press **V/P** to confirm.
3. Press **+** to go to the channel.
4. Use **–** to go to the previous channel.

Remote control



Cursor Control



Moves the cursor up and down in the menus.

Moves the cursor to the left/ right in menus, selects the previous/next content.

Activates various functions.

The television is fitted with an "installation assistant", which guides you step by step through the basic settings.
The user can use the dialogue window on the screen to perform settings that seem complex and data inputs in a simple way that will be understood by anybody.
Pages and dialogue items appear on the screen, which identify the subsequent and likely operating steps.
To support this, you will also see the required button symbols of the remote control.
Detailed basic settings:
– language and country selection;
– pairing the remote control;
– network configuration (if required);
– logging in with Amazon;
– Station settings (DVB-S, DVB-T and DVB-C).

Detailed settings can be found on pages 17 and 19.

Settings for connecting to the home network

Depending on the connection type of the home network, connect your television to the home network:
– via a LAN connection or
– without cable via WLAN

Automatic LAN connection,

all data regarding connection settings (»IP Address«, »Netmask«, »Gateway« and »DNS«) are obtained from modem automatically.

There are various options when using **WLAN**:

Automatic WLAN connection,

all data regarding connection settings (»IP Address«, »Netmask«, »Gateway« and »DNS«) are obtained from modem automatically.
Depending on the router, you can use the following options:
– Option "WPS-PBC" (Push Button Configuration);
– Connection with Network Password

Tuning television channels

Depending on the type of the antenna connected, you can determine which television channels you would like to search.

DVB-S – Tunes digital TV channels from satellite from Page 18.

You have two options for this search:
– Basic setup that presets a standard choice. For example, Astra satellite 19.2° East; You just need to start the search;
– the professional installation, which allows you to make all required settings and set parameters for your receiver system.

For setting up **DVB-C** – Digital cable TV channels, see page 19

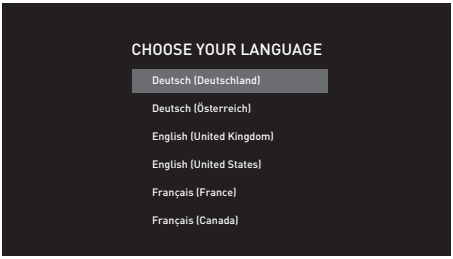
For setting up **DVB-T** – Digital terrestrial TV channels, see page 19.

Note:

- See "Detailed Channel Settings" section starting from page 77 for more information on digital television channel settings.

Initial set-up

1 Turn on the television in the stand-by mode with »⏻«.
– The »CHOOSE YOUR LANGUAGE« menu appears when the television is switched on for the first time.



2 Press »▼« or »▲« to select the menu language and press »●« to confirm.
– »Searching for your remote« menu will be displayed.

3 Press and hold »⌂« for 10 seconds to pair the remote control.

Important:

- If you have problems pairing the Bluetooth remote control, you need to reset it. To do this, press and hold »◀«, »⮌« and »☰« on the remote control simultaneously for 10 seconds, remove the batteries and insert them back.

Notes:

- If you want to connect your TV to home network,
  – continue at point **4**. for automatic WLAN connection.
  or
  – continue at **9**. for automatic LAN connection.
- For automatic LAN connection, a network cable must be connected to the »**LAN**« port of the TV.
- If you want to connect your TV to another network later on, press »▶▶«.

4 Press »◀« or »▶« to select »Continue« and press »●« to confirm.
– »Connect to your network« menu will be displayed.

5 Press »◀« or »▶« to select the wireless network you want to connect and press »●« to confirm.
– Wireless connection password screen will be displayed.

6 Select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– You can press »☰« to switch between uppercase and lowercase letters.
– You can press »#$%« / »äçé« ➡ »●« to switch between special characters.
– Press »◀◀« to delete the character typed.

7 Enter the password for the wireless network and press »▶❚❚« to select »Connect«.
– »Connecting Successful« will be displayed.

8 »Sign In with Your Amazon Account« menu will be displayed.

9 If you do not have an Amazon account, press »◀« or »▶« to select »I am new to Amazon« and press »●« to confirm;

or

If you have an Amazon account, select »I already have an Amazon account« and press »●« to confirm.

10 To enter the e-mail address connected to your Amazon account, select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– You can press »☰« to switch between uppercase and lowercase letters.
– You can press »#$%« / »äçé« ➡ »●« to switch between special characters.
– Press »◀◀« to delete the character typed.

11 Press »▶❚❚« to select »Next«.

12 Enter your password and press »▶❚❚« to select »SIGN IN«.
– »Successfully registered« will be displayed.

13 To continue, press »◀« or »▶« to select »Continue« and press »●« to confirm.

14 To save the wireless network password in your Amazon account, select »Yes«;

or

to continue without saving, select »No« and press »●« to confirm.

15 To enable parental control, select »Enable Parental Controls«;

or

to continue without enabling, select »No Parental Controls*« and press »●« to confirm.

Note:

■If you continue without enabling the parental controls, items can be purchased and videos can be played without the need for a PIN.

16 To continue, select »Continue« and press »●« to confirm.
– »Scan for Live Channels« menu will be displayed.

17 To search for channels, select »Yes«;

or

to continue without searching for channels, select »No« and press »●« to confirm.

18 Select »Next« and press »●« to confirm.

19 Press »▼« or »▲« to select the country and press »●« to confirm.

20 Select the antenna type.

21 The next procedure depends on the selected antenna type. Follow the instructions on the screen.
– point **22** for DVB-S reception;
– point **30** for DVB-C reception;
– point **33** for DVB-T reception.

Searching television channels with satellite signal (DVB-S/S2)

22 Press »▼« or »▲« to select »Satellite« and press »●« to confirm.

23 Press »▼« or »▲« to select »Satellite TV Operator« and press »●« to confirm.

24 When »Full« or »Manual« is selected, press »▼« or »▲« to select the satellite you want to search from the list and press »●« to confirm.
– »Satellite Connection« will be displayed.

25 Press »▼« or »▲« to select »LNB Type« and press »◀◀« or »▶▶« to select the LNB type.

26 If DiSEqC is used in the satellite system, press »▼« or »▲« to select DiSEqC from »DiSEqC setup«.

27 Press »▼« or »▲« to select »Scan Mode« and use »◀◀« or »▶▶« to select a scan mode.
– »For free digital TV channels only, select (Free); for paid digital TV channels only, select (Scrambled); for both, select (All).

28 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

29 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Tuning digital cable television channels (DVB-C)

30 Press »V« or »Λ« to select »Cable/TV« and press »●« to confirm.
- »TRANSMISSION METHOD« menu will be displayed.

31 Press »V« or »Λ« to select »Cable - Quick Scan« or »Cable - Auto Scan« and press »●« to confirm.
- »Quick« scanning function sets the channels according to the cable operator information in the broadcasting signal.
- »Auto« scan function scans the entire frequency range selected. With this search option, search can take a long time. This search type is recommended. Some cable providers do not support »Quick« scan.
- »Search« menu will appear and channel search will start.
- Channel search will take some time depending on the number of the channels to be searched.

Note:

- You can speed up the search. To do this, frequency and network ID information are required. You can obtain such information from your cable provider or find them in Internet forums.

32 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Tuning terrestrial digital television channels (DVB-T/T2)

33 Press »V« or »Λ« to select »Cable/TV« and press »●« to confirm.
- »TRANSMISSION METHOD« menu will be displayed.

34 Select »TV - Auto Scan«.
- »Search« menu will appear and channel search will start.
- Channel search will take some time depending on the number of the channels to be searched.

35 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Channel Editor for digital channels

Channels found at the end of the search are stored in »Channel Management«.

In the Channel Management menu, you can change the order of channels and hide each channel. Besides, you can add channels to your favorites list.

Opening the Channel Management menu

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »v« then »>« to select »Live TV« and confirm with »●«.

4 Press »v« to select »Channel Managment« and confirm with »●«.

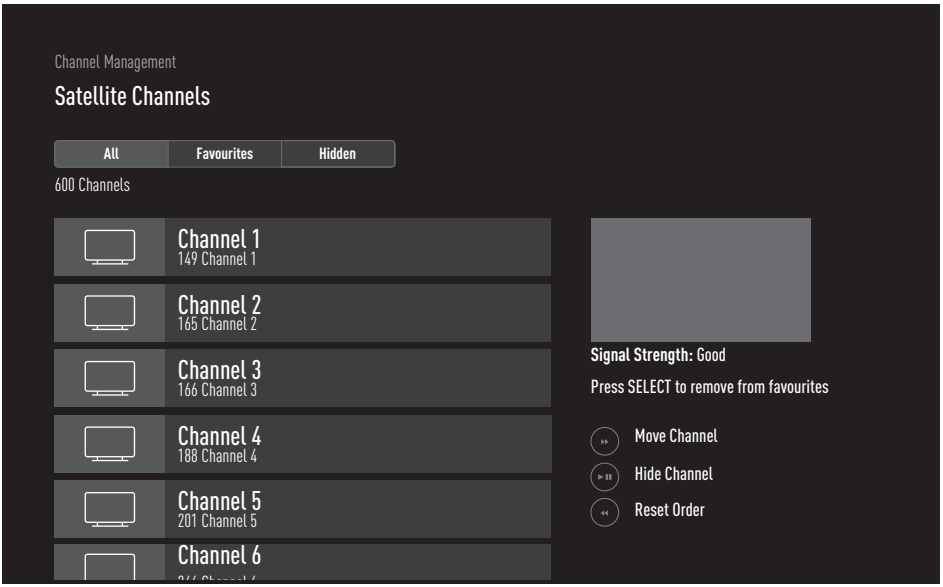
5 Press »v« or »^« to select the source you wish to change and confirm with »●«.
– »Channel Managment« menu of the selected source will be displayed.

Important:

- Channels table is stored separately for all sources (satellite, cable and antenna).

Note:

- As the recorded data channels are not displayed in the channel list, number channels displayed in the Channel list may be less than 6000



Moving the channels to different channel positions in the Channel Management menu

1 In the »Channel Management« menu, select the channel you want to move with »▼« or »▲« and press »▶▶« to highlight the channel.

2 Select the new location of the channel with »▼« or »▲« and press »●« to confirm.

3 Press »⮌« to go to the previous menu or press »⌂« to return to »Home« menu.

Hiding channels in the Channel Management menu

You can hide the channels you do not want to view in the channel list

1 In the »Channel Management« menu, press »▼« or »▲« to select the channel you want to hide and press »▶❚❚«.
– (Hidden) will be displayed next to the channel name.

Note:

■ To make the hidden channel visible again, select the channel and press »▶❚❚«.

2 Press »⮌« to go to the previous menu or press »⌂« to return to »Home« menu.

Resetting the changes made in the Channel Management menu

You can reset the order changes in the Channel Management menu.

1 To reset the changes in the »Channel Management« menu, press »◀◀«.
– Changes of order will be reset.

2 Press »⮌« to go to the previous menu or press »⌂« to return to »Home« menu.

Creating a list of favourites

You can select your favourite channels and save them as a list.

Note:

■ Favorite lists must be created separately for all sources (satellite, cable and air).

1 In the »Channel Management« menu, select the channel you want to add to your favorites with »▼« or »▲« and press »●« to highlight it.
–Th channel will be marked with »❤«.

Note:

■ Channels moved into the favorites list will be sorted alphabetically in »ON NOW« tab under the »Home« menu.

2 Press »⮌« to go to the previous menu or press »⌂« to return to »Home« menu.

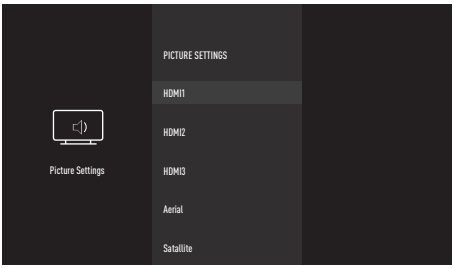
Picture settings

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« and then »>« to select »Display & Sounds«, and confirm with »●«.

4 Select »Picture Settings« and confirm with »●«.
– »Picture Settings« menu will be displayed.



5 Press »∨« or »∧« to select the source for which you want to configure the picture settings and press »●« to confirm.

6 Select the desired line/function with »∨« or »∧« and press »●« to confirm.
Select the option with »<« or »>« and press »↩« to return to the »Picture Settings« menu.

Note:

- Other settings are available under »Advanced Settings«.

7 Press »∨« to select »Advanced Settings« and press »●« to confirm.

8 Select the desired line/function with »∨« or »∧« and press »●« to confirm.
Select the value/option with »<« or »>« and press »●« to confirm.
Press »↩« to return to the »Picture Settings« menu.

9 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Enhanced picture settings

The "Enhanced picture settings" are in principal digital image improvements which, however, should be only used when necessary when picture quality and transmission are excellent. They may well improve the display with poor material, but may adversely affect the display where transmission and picture quality are excellent.

- »Vibrant Colour« – Increases the color contrast and the contrast adjustment. This setting is mostly too strong for use with normal pictures and should only be used where necessary (low or off). Otherwise, nuances in the image can be suppressed.
- »Gamma« – This setting determines which brightness value should be displayed for which digital transmission value. Most recordings are transmitted with a gamma value of 2.2 (all Windows PCs and newer PCs with a MAC operating system work with this; older MAC systems and transmissions without a colour profile mostly operate with a gamma value of 1.8).
- »Dynamic Contrast« – This function dynamically and optimally adjusts the contrast for the respective picture content by analyzing images and then altering this depending on a change in contrast. This increase in the contrast however may also reduce the visible brightness levels in the picture.
- »Perfect Clear« – Improves the general image by means of a gentle blue hue (giving the appearance of greater sharpness) and improves the black level by setting it entirely to black from a specific shade of back. This reduces the visible grey values in the dark areas of the picture.

- »Film mode« detects and processes feature films automatically for all channel sources. This means that you get the optimum picture at all times.
  This functions in the mode 480i, 576i and 1080i in TV playback and for other channel sources.
  The »Film Mode« will be enabled for programmes that do not have a feature film signal, and insignificant problems may be observed such as dull pictures, incorrect subtitles or fine lines on the picture.
- »Sharpness« – It ensures that blurry images are clearer in a scene.
- »Noise Reduction« – – Reduces the visible "snow" by displaying the picture a little less sharply and creating a slight blurring. Thus, it must be used as little as possible with good picture material.
- »Block Noise Reduction« – This function can only be selected with digital receiver sources and AV pre-sets. It reduces any interference from artefacts (pixel blocks) from digital programmes due to MPEG compression (such as from DVB-T receivers and lower transmission rates or DVD players).It reduces any interference from defects (pixel blocks) from digital programmes due to MPEG compression (such as from DVB-T receivers and lower transmission rates or DVD players).

Restoring factory defaults for picture settings

1. To reset the changes made in the »Picture Settings« menu, press »▼« to select »Reset to Default« and confirm with »●«.
   – When resetting, the picture mode that is selected at that time will not be reset. All the other settings will be restored to default.
2. Press »⮌« to go to the previous menu or press »⌂« to return to »Home« menu.

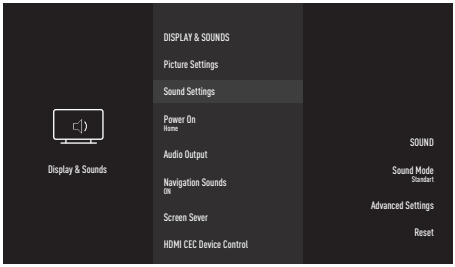
Sound settings

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« and then »>« to select »Display & Sounds«, and confirm with »●«.

4 Press »∨« to select »Sound Settings« and press »●« to confirm.
– »Sound« menu will be displayed.



Note:

- Additional procedures are explained in the following sections.

Sound Mode

1 Press »∨« and »∧« to select »Sound Mode« and press »●« to confirm.

2 Press »∨« or »∧« to select »Standard«, »Sport«, »Music«, »User« or »Movie«, then confirm with »●«.

3 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

TV location

Choosing the location of the television with this feature is important for the automatic sound setting.

1 In the Sound menu, press »∨« or »∧« to select »Advanced Settings« and confirm with »●«.

2 Press »∨« or »∧« to select »TV Location« and press »●« to confirm.

3 Press »∨« or »∧« to select »Stand« or »Wall-Mounted« and press »●« to confirm.

4 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Sound Type

If the device receives two channel programs, e.g. a film with the original sound on sound channel B (display: »Dual II«) and the dubbed version on sound channel A (display: »Dual I«), you can select the desired sound channel.

1 In the Sound menu, press »∨« or »∧« to select »Advanced Settings« and confirm with »●«.

2 Press »∨« or »∧« to select »Sound Type« and press »●« to confirm.

3 Press »∨« or »∧« select »Stereo«, »Dual1« or »Dual2« and press »●« to confirm.

4 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Balance

1 In the Sound menu, press »∨« or »∧« to select »Advanced Settings« and confirm with »●«.

2 Select »Balance« with »∨« or »∧«.

3 Select the setting with »<« or »>«.

4 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Equalizer

Equalizer offers a sound setting that you can create.

Equalizer is active in the menu when »Sound Mode« is selected as »User«.

1. In the Sound menu, press »▼« or »▲« to select »Advanced Settings« and confirm with »●«.
2. Press »▼ « or »▲« to select »Equaliser« and confirm with »●«.
   – »Equaliser« menu will open.
3. »100Hz« frequency band will be displayed. Press »◀« or »▶« to set the preferred value.
4. Select the next frequency band with »▼« or »▲« to repeat the adjustment procedure.
5. Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Auto volume

Television channels broadcast at different volumes. Automatic Volume Limiting (AVL) function enables the volume to be kept at the same level when you switch between channels.

1. In the Sound menu, press »▼« or »▲« to select »Advanced Settings« and confirm with »●«.
2. Press »▼« or »▲« to select »AVL« and press »●« to select »On«.

Note:

- AVL is active in the menu when »Sound Mode« is selected as »User« or »Standard Mode«.

3. Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Restoring factory defaults for sound settings

1. To reset the changes made in the »Sound Settings« menu, press »▼« to select »Reset« and confirm with »●«.
   – All settings done by you will be reset except for »Sound Type«, »TV Speaker«, »Digital Out«, »Speaker Audio Delay« and »SPDIF Audio Delay«.
2. Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

FUNCTIONING OF THE TV - BASIC FUNCTIONS_

Switching on and off

1 Press »⏻« to switch on the television in standby mode.

2 Press »⏻« to switch the television to standby.

Selecting channels

1 Use »**1...0**« to select channels directly.

or

In the »Home« menu, press »▼« and under »ON NOW«, press »◀« or »▶« to select a channel, then confirm with »●«.

Selecting a signal source

1 In the »Home« menu, press »▼« and under »INPUTS«, press »◀« or »▶« select a source, then confirm with »●«;

or

press »⌂«, then press »▶« to select »Settings«. Press »▼« to select »Inputs« and confirm with »●«. Press »◀« or »▶« to select a source and confirm with »●«.

Adjusting the volume

1 Adjust the volume with »–« or »+«.

Muting

1 Use »🔇« to turn the sound off (mute) and to turn it on again.

Audio language

You can select various languages when watching digital channels. This depends on the programme being broadcast.

1 Press »**SUBT**« to open the selection menu.

2 Press »◀« or »▶« to select »Audio Languages« and press »●« to confirm.

3 Press »▼« or »▲« to select the language and press »●« to confirm.

Subtitles

You can select various subtitles when watching digital channels. This depends on the programme being broadcast.

1 Press »**SUBT**« to open the selection menu.

2 Press »◀« or »▶« to select »Subtitles« and press »●« to confirm.

3 Press »▼« or »▲« to select the language and press »●« to confirm.

Sleep timer

In the »Sleep Timer« menu you can enter a time for the television to switch off. After this time has elapsed, the TV will switch to standby mode.

1 Press and hold »⌂« to open the Tools menu.

2 Press »V« to select »Sleep Timer« and confirm with »●«.

3 Press »V« or »Λ« to select the off time and confirm with »●«.

Note:

- Disable the function with »V« or »Λ« by switching it to »Off«.

4 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Sound settings

1 Press and hold »⌂« to open the Tools menu.

2 Press »V« to select »Sound« and confirm with »●«.

3 Press »V« to select »Sound Mode« and confirm with »●«.

4 Press »V« or »Λ« to select the sound mode and press »●« to confirm.

5 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Picture settings

1 Press and hold »⌂« to open the Tools menu.

2 Press »V« to select »Picture« and confirm with »●«.

3 Press »V« to select »Picture Mode« and confirm with »●«.

4 Press »V« or »Λ« to select the picture mode and press »●« to confirm.

5 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Changing the picture format

1 Press and hold »⌂« to open the Tools menu.

2 Press »V« to select »Picture« and confirm with »●«.

3 Press »V« to select »Picture Format« and confirm with »●«.

4 Press »V« or »Λ« to select the picture mode and press »●« to confirm.

5 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Notes:

- You can select one of the following picture formats.

»Auto« format

The picture format is automatically switched to »16:9« for 16:9 programmes.

The picture format is automatically switched to »4:3« for 4:3 programmes.

»Superzoom« format

This setting is suited to films with a large width/height ratio.

»4:3« format

The picture is shown in 4:3 format.

»Movie Expand 14:9« and »Movie Expand 16:9« formats

During programmes in 4:3 format, the picture is stretched horizontally if »16:9« or »14:9« is selected.

The picture geometry is stretched horizontally.

With actual 16:9 signal sources (from a satellite receiver or the Euro-AV socket), the picture fills the screen completely and it does so with the correct geometry.

»Wide Screen« format

Wide Screen setting is especially suitable for programmes in 16:9 format.

The black borders which are usually at the top and bottom of the screen are removed, 4:3 picture fills the screen.

The transmitted pictures are enlarged, but are slightly cropped at the top and bottom. The picture geometry remains unchanged

»Full« format

When this mode is selected, the high resolution picture from the HDMI and Component inputs is not cropped and it is displayed in its original size. This mode is only enabled in the HDMI mode and for resolutions at or above 720p.

»Unscaled« format

Unscaled format displays pictures in their original size.

Alexa

You can use the integrated Alexa function of your television via the remote control. You can talk to the remote control and see the instant responses, search responses and visual content on the screen. You can also control the television and applications with your voice.

Note:

- To be able to use Amazon Alexa, you need to have internet connection and an Amazon account.

1 To start talking to Alexa, press and hold during the commanding process.
– Voice Chrome will be displayed to indicate listening.

2 Say something to the microphone on the remote control. The television on which Alexa is enabled will understand you and respond with sound and visuals. For example, ask the microphone "Is it going to rain in Berlin today?" Alexa will respond to you with the weather forecast and an image will appear on the TV screen.

Notes:

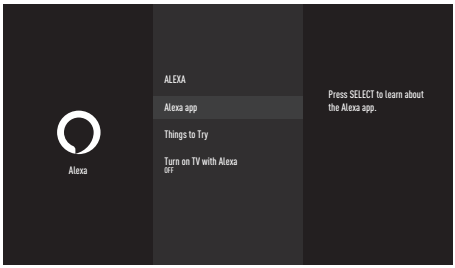
- Alexa support changes depending on the geographical region.
- Some service providers may not be supported in your country.
- To be able to use Alexa, your television should be connected to the internet (except for certain scenarios such as timer warnings).
- Whether Alexa responds or not depends on the volume/tone of your voice and the ambient noise.
- For voice commands, the ideal sound level is between 75 dB and 80 dB.

Settings in the Alexa menu

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »V« then »>« to select »Alexa« and confirm with »●«.
– »Alexa« menu will be displayed.



Alexa app

You can get information about the Alexa app..

1 Press »V« to select »Alexa app« and confirm with »●«.
– Information about the Alexa app will be displayed.

Things to Try

Check the commands in the menu to learn what you can do with Alexa.

1 Press »V« to select »Things to Try« and press »●« to confirm.

2 Select the desired title with »V« or »^« and press »●« to confirm.
– Commands of the title will be displayed.

Note:

- Alexa perceives commands in German, English and French only. Make sure that you speak to Alexa in one of these languages.

Turning the TV on with Alexa

Turn this setting »On« to turn the TV on with Alexa.

1 Press »V« to select »Turn on TV with Alexa« and press »●« to set it to »On«.

Note:

- Enabling this setting may increase power consumption of the TV.

ELECTRONIC TV GUIDE

The electronic programme guide offers an overview of all programmes that will be broadcast in the next week (for digital stations only).

1 Press »**GUIDE**« to start the electronic TV guide.
   – The programmes of 4 channels (in the order of the Channel Editor) are displayed.

Notes:

- Not all channels provide a detailed TV guide.
- Many broadcasters supply the daily programme but no detailed descriptions.
- There are broadcasters which do not provide any information at all.

2 Select the channel with »V« or »Λ«.
   – Information about the actual programme is displayed in the selected television channel.

3 Press »>« to select information on the next broadcasts and press »<« to return to the information for the current broadcasts.

4 Press »●« to display the selected channel.

5 Return to the programme overview with »**BACK**←«.

Note:

- See the user manual on the screen for additional options.

6 Press »⮌« to close the channel guide or press »⌂« to return to »Home« menu.

File formats

Your television can be operated via the USB input with the following file formats:

Video data

Video compression / decompression (codec) is intended for decreasing the storage area without sacrificing the picture quality.
Your TV allows you to play compressed video data with XVID, H.264/MPEG-4 AVC(L4.1, Ref. Frames:4), MPEG-4, MPEG-2, MPEG-1, MJPEG, MOV standards.

File extensions supported by the device: “.avi”, “mkv”, “.mp4”, “.ts”, “.mov”, “.mpg”, “.dat”, “.vob”,”.divx”. In addition to video data, these files also contain audio data compressed and "packaged" by using MP3, AAC or Dolby Digital.

Format (codec) information is embedded within the file content and may differ depending on the file extension. The “.avi”, “.mkv” or “.divx” files containing divx codec within are not played back.

Audio data

Your television can play audio data coded with MP3, AAC standards.
MP3 stands for MPEG-1 Audio Level 3 and is based on the MPEG-1 standard developed by MPEG (Motion Picture Expert Group).
AAC indicates the Advanced Audio Coding and has been developed by MPEG. AAC provides higher audio quality with the same data rate (bit rate).
WMA (Windows Media Audio) is a compression standard developed by Microsoft for audio data.
These formats enable audio files to be saved on storage devices with a sound quality similar to that of a CD.
File extensions supported by your device: ".mp3", ".mp2", ".wma", ".m4a", ".aac", ".wav"
MP3 files can be organized into folders and sub-folders similar to the files on a computer.

Picture data

Your television can display picture data in JPEG, PNG and BMP formats.
JPEG stands for Joint Picture Experts Group. This process is intended to compress picture files.
PNG and BMP standards are intended to compress picture data without loss.
Picture files can be saved in a data storage medium together with other file types.
Such files can be organized as folders and sub folders.

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The Symbol, the accompanying DTS and Symbol and DTS-HD are trademarks or registered trademarks of DTS, Inc. in the United States of America and in other countries. © DTS, Inc. All rights reserved.

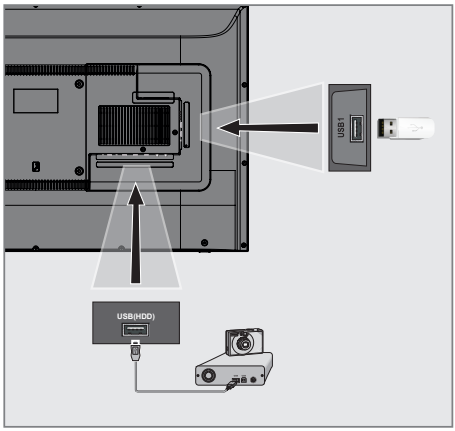
Connecting external data medium

It is advised to switch the television to stand-by mode before connecting the External Data medium. Connect the device and then switch the television on again.

Before disconnecting the data medium, first of all, the television must be switched to standby, otherwise files may get damaged.

Notes:

- **USB1** port of the TV supports 500 mA current according to the USB standard. Devices such as external hard disk and etc. that consume more power can only be connected to the **USB(HDD)** interface of the television.
- If you are using a power cable for the external hard disk that you have connected to the **USB(HDD)** USB interface, then the power cable of the external hard disk must also be unplugged when the TV is turned off.
- You must not disconnect the USB Device from the TV while a file on the USB Device is being read by the TV.
- A bi-directional data transfer as defined for ITE (Information Technology Equipment) devices in EN 55022/EN 55024 is not possible.
- USB transfer is not an operating mode in itself. It is only an additional function.



1 Connect the **USB(HDD)** interface of the television and the corresponding socket on the data device (external hard drive, digital camera, card reader or MP3 player) using a USB cable;

or

plug the memory stick in one of the »**USB1**« sockets of the television.

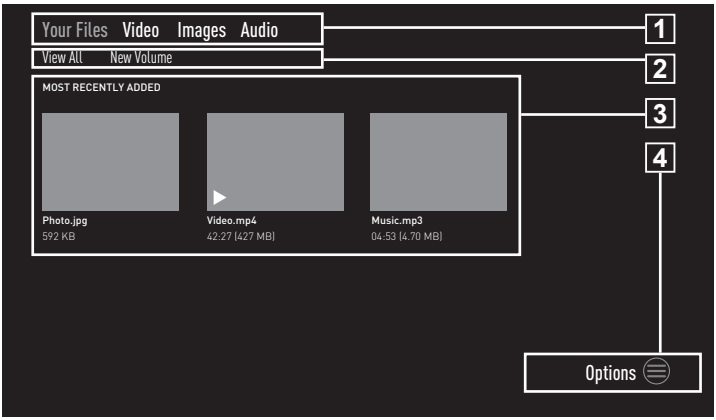
Removing the external data medium

Disconnect data media before removing it.

1 Press »⌂«.
2 Press »>« to select »Settings«.
3 Press »∨« and then »>« to select »Device & Software«, and confirm with »●«.
4 Press »∨« or »∧« to select »USB Drive« and confirm with »●«.
5 Confirm »Eject USB Drive« with »●«.
– »USB Storage Ejected« will be displayed.
6 Remove the data medium from the socket.

USB file browser menu

1 Data type.
2 Data medium folders
3 File browser.
4 Options.



The file browser displays the video, audio and picture data that the external data medium provides.

If a data medium contains different file formats, you can deactivate data (Video file, Audio file, Picture file) you do not need for the playback using a filter function.

Play basic functions

1 In the »Home« menu, press »▼« and under »INPUTS«, press »◀« or »▶« select a source, then confirm with »●«.

2 Press »◀« or »▶« to select the desired filter type (»Videos«, »Images« or »Audio«).

Note:

- In the file browser, select »Your Files« to display all files in the external data medium.

3 Press »▼« and under »MOST RECENTLY ADDED«, press »◀«, »▶«, »▼« or »▲« to select the file you wish to play and confirm with »●«.

4 Press »▶❚❚« to pause the playback.

5 Press »▶❚❚« to resume playback.

6 Press »↩« to end playback.
– The file browser appears.

Notes:

- It is possible that some files that are supported in USB mode do not operate due to some problems that may arise depending on how such files are created (compression) although they contain the supported file extension.
- If there is more than one audio source (audio stream) in the video files that are played, you can switch between the audio sources with »**SUBT**« while the file is being played in full screen mode.
- Films you will be watching from the film file only support subtitles with .srt, .sub, .ass, .ssa, .smi formats. Names of the subtitle and film files must be the same. Otherwise, subtitles cannot be displayed.

Additional playing functions

Depending on the file formats used, it is possible to use the following additional functions.

Displaying information in picture files

1 Press »☰« during playback.

2 Confirm »Show Info« with »●«.
– File information will be displayed.

3 Confirm »Hide Info« with »●« to hide the information.

4 Press »⮌« to exit the menu.

Moving to the desired time

(only video and audio files)

1 Press »◀◀« or »▶▶« to jump to the desired time during playback.

Restarting video files

1 Press »☰« during playback.

2 Confirm »Start from Beginning« with »●«.
– Video will restart.

Selecting the previous/next video file

1 During playback, press »<« to select previous content, and »>« to select next content.

Starting the next video file

1 Press »☰« during playback.

2 Select »Play Next Video« with »v« and press »●« to confirm.
– The next video file will start.

Turning shuffle on for audio files

You can put the audio files in the external data medium on shuffle.

1 Press »☰« during playback.

2 Confirm »Turn Shuffle On« with »●«.
– Shuffle mode will turn on for tracks in the external data medium.

Note:

■ Select »Turn Shuffle Off« to play the tracks in the external data medium in sequence.

Repeating a track

You can repeat a track found in the external data medium.

1 Press »☰« during playback.

2 Select »Repeat this Song« with »v« and confirm with »●«.
– The selected track will be repeated.

Repeating an album

You can repeat all songs in an album found in the external data medium in sequence.

1 Press »☰« during playback.

2 Select »Loop this Album« with »v« and confirm with »●«.
– Tracks in the selected album will be repeated in sequence.

GRUNDIG Fire TV allows you to access your favorite TV shows, movies, subscription services, songs, pictures, games and various applications.

To use the features of GRUNDIG Fire TV, log in with your Amazon account and register the TV in the account. Internet connection is required to register the TV in the account. Check the Wireless and Wired network connection section for more information.

Notes:

- Availability of GRUNDIG Fire TV applications may vary depending on the country.
- Grundig is not responsible for the content and the quality of content offered by content providers.
- Grundig applications provided come with your TV within the framework of special limited duration agreements entered into with the application owners. Application owners may update, modify, restrict or entirely remove those applications with their own decision. Grundig cannot be held responsible for such changes.
- In Login process of some applications, it may be required to connect to the web page of the related application. Subject web pages may contain links not related to Login process. When connecting those links, TV may access open web and view contents that are not supported by your TV. As you are on open web, your TV cannot control those unsupported contents or cannot be held responsible for them.

USB keyboard and mouse

You can connect a keyboard or mouse to both **USB1** and **USB(HDD)** sockets to use with the TV. Keyboards and mice requiring special drivers are not supported.

Amazon Sign in / up

To register the TV in your Amazon account, log in with your Amazon account. If you do not have an Amazon account, you can sign up.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« and then press »▶« to select »Amazon Account Sign In/Up« and confirm with »●«.

4 Select »Amazon Account« and confirm with »●«.

5 Select »Register« and confirm with »●«.
– »Sign In with Your Amazon Account« menu will be displayed.

Note:

- Follow the steps below to sign up or sign in.

Sign up

If you do not have an Amazon account, you can create a new one.

1 Press »◀« or »▶« to select »I am new to Amazon« and confirm with »●«.

Note:

- You can create your Amazon account on "www.amazon.com/account" or on your device.

2 Press »●«.

3 Press »▼«, »▲« to select the country and confirm with »●«.

4 Press »▶❚❚« to select »Next«.

5 Enter »Full Name« and press »▶❚❚« to select »Next«.

6 Enter »E-mail address« and press »▶❚❚« to select »Next«.

7 Enter »Password« and press »▶❚❚« to select »Next«.

8 To confirm, enter your password again and press »▶ ▮▮« to select »Next«.

9 Enter »Card number« and press »▶ ▮▮« to select »Next«.

10 Enter »Credit card expiration month« and press »▶ ▮▮« to select »Next«.

11 Enter »Credit card expiration year« and press »▶ ▮▮« to select »Next«.

12 Enter »Invoice address« and press »▶ ▮▮« to select »Next«.

13 Enter »City« and press »▶ ▮▮« to select »Next«.

14 Enter »Country« and press »▶ ▮▮« to select »Next«.

15 Enter »Postal code« and press »▶ ▮▮« to select »Next«.

16 Enter »Phone number« and press »▶ ▮▮« to select »Next«.
- will be displayed to confirm that the details provided are correct.

17 If the details provided are correct, press »▶ ▮▮« to select »CREATE ACCOUNT«.
- »Creating your account«, »Registering your Amazon Fire TV« and »Successfully registered« messages will be displayed respectively.
- »Alexa on Fire TV - Terms of Use« will be displayed.

18 To continue, select »Continue« and press »●« to confirm.
- Registering process will then be complete and the »Home« menu will be displayed.

Sign in

If you have an Amazon account, you can log in.

1 Press »<« or »>« to select »I already have an Amazon account« and confirm with »●«.

2 Enter the e-mail address connected with your Amazon account and press »▶ ▮▮« to select »Next«.

3 Enter the password for your Amazon account and press »▶ ▮▮« to select »SIGN IN«.
- »Registering your Amazon Fire TV« and »Successfully registered« messages will be displayed respectively.

4 To continue, select »Continue« and press »●« to confirm.
- Signing in will then be complete and the »Home« menu will be displayed.

Your Videos

Your Videos feature allows you to display the content you have watched, purchase content, view the watchlist created or see the content recommended based on your personal use.

1 Press »⌂«.

2 Press »>« to select »Your Videos«.

3 Press »∨«, »∧«, »<« or »>« to select the desired content and press »●« to confirm.
- The page of the selected content will be displayed.

4 To watch the content, confirm »Watch with Prime« with »●« or press »▶ ▮▮« on the remote control.

5 To add the content to you watchlist, press »<« or »>« to select »Add to Watchlist« and confirm with »●«.

Movies

You can use the Movies feature to purchase movies or view the movies recommended based on your personal use.

1 Press »⌂«.

2 Press »▶« to select »Movies«.

3 Press »▼«, »▲«, »◀« or »▶« to select the desired content and press »●« to confirm.
– The page of the selected content will be displayed.

4 To watch the content, confirm »Watch with Prime« with »●« or press »▶❚❚« on the remote control.

5 To add the content to you watchlist, press »◀« or »▶« to select »Add to Watchlist« and confirm with »●«.

TV Shows

You can use the TV Shows feature to purchase series or view the series recommended based on your personal use.

1 Press »⌂«.

2 Press »▶« to select »TV Shows«.

3 Press »▼«, »▲«, »◀« or »▶« to select the desired content and press »●« to confirm.
– The page of the selected content will be displayed.

4 To watch the content, confirm »Watch with Prime« with »●« or press »▶❚❚« on the remote control.

5 To add the content to you watchlist, press »◀« or »▶« to select »Add to Watchlist« and confirm with »●«.

Applications

You can use the Applications feature to view featured applications, games and application categories. You can also download and install such applications on your TV.

Featured

1 Press »⌂«.

2 Press »▶« to select »Apps«.

3 Press »▼« twice consecutively.
– Featured applications will be displayed.

4 Press »▼«, »▲«, »◀« or »▶« to select the desired application and confirm with »●«.
– Details page of the selected application will be displayed.

5 To download the application, confirm »⬇ Get« with »●«.
– After a short while, the application will be downloaded and installed on the TV set.

6 To launch the application, confirm »▶ Open« with »●«.
– After a short while, main screen of the application will be displayed.

7 To close the application, press »⮌« or »⌂«.

Games

1 Press »⌂«.

2 Press »▶« to select »Apps«.

3 Press »▼« then »▶« to select »Games« and then press »▼«.

4 Press »▼«, »▲«, »◀« or »▶« to select the desired game and press »●« to confirm.
– Details page of the selected game will be displayed.

5 To download the game, confirm »⬇ Get« with »●«.
– After a short while, the game will be downloaded and installed on the TV set.

6 To launch the game, confirm »▶ Open« with »●«.
– After a short while, main screen of the game will be displayed.

7 To close the application, press »⮌« or »⌂«.

Application by categories

1 Press »⌂«.

2 Press »>« to select »Apps«.

3 Press »v« then »>« to select »Categories« and then press »v«.
– Categories will be displayed.

4 Press »<« or »>« to select the desired category and confirm with »●«.
– Applications in the elected category will be displayed.

5 Press »v«, »^«, »<« or »>« to select the desired application and confirm with »●«.
– Details page of the selected application will be displayed.

6 To download the application, confirm »⬇ Get« with »●«.
– After a short while, the application will be downloaded and installed on the TV set.

7 To launch the application, confirm »▶ Open« with »●«.
– After a short while, main screen of the application will be displayed.

8 To close the application, press »↩« or »⌂«.

Sorting applications in Home menu

In the Home menu, sort your favorite applications based according to your preference.

1 In the »Home« menu, press »v« to select »YOUR APPS & CHANNELS«.

2 Press »<« or »>« to select the application you want to move.

3 Press »☰« and confirm »Move« with »●«.

4 Use »<« or »>« to move the application to its new location and confirm with »●«.

Displaying application details

1 In the »Home« menu, press »v« to select »YOUR APPS & CHANNELS«.

2 Press »<« or »>« to select the application whose details you wish to view.

3 Press »☰« and use »v«, »^« to select »More Info«, then press »●« to confirm.
– Details of the selected application will be displayed.

4 Press »↩« to return to the previous menu or press »⌂« to return to Home menu.

Uninstalling applications

1 In the »Home« menu, press »v« to select »YOUR APPS & CHANNELS«.

2 Press »<« or »>« to select the application you want to uninstall.

3 Press »☰« and use »v«, »^« to select »Uninstall«, then press »●« to confirm.
– The application will be uninstalled from the TV and stored on cloud.

Removing applications from cloud

1 In the »Home« menu, press »v« to select »YOUR APPS & CHANNELS«.

2 Press »<« or »>« to remove the application you want to remove from cloud.

Note:

■ Applications stored on cloud have a cloud icon on the top right section of their image.

3 Press »☰« and use »v«, »^« to select »Remove from Cloud«, then press »●« to confirm.
– A warning screen will be displayed.

4 To confirm, select »Remove from Cloud«;

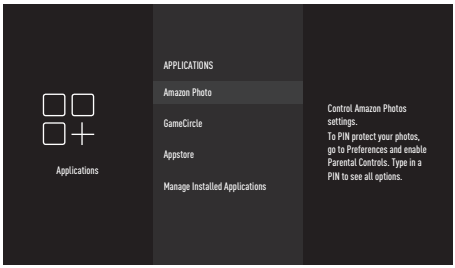
or

to cancel, select »Cancel« and press »●« to confirm.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Applications« and confirm with »●«.
– »APPLICATIONS« menu will be displayed.



Note:

■Additional procedures are explained in the following sections.

Amazon Photo settings

1 Under the »Applications« menu, confirm »Amazon Photos« with »●«.
– »AMAZON PHOTO SETTINGS« menu will be displayed.

Permission for guest connection

When you allow for guest connection, guests can use a supported device to stream their photos and videos on your TV.

1 Confirm »Allow Guest Connections« with »●« and select »ON«.

Note:

■ Set the function to »OFF« with »●«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Accessing Amazon photos

To stop downloading pictures on your TV from your Amazon Photos account, set »Disable« for Access Amazon Photos. When disabled, photo or video data will not be downloaded on your TV anymore.

1 Confirm »Access Amazon Photos« with »●« and select »Enabled«.

Note:

■ Set the function to »Disable« with »●«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

GameCircle

In some games, game progress is saved on Whispersync by Cloud. You can turn this function off for this appliance.

1 Under the »Applications« menu, press »▼« to select »GameCircle« and confirm with »●«.
– »GAMECIRCLE« menu will be displayed.



2 Press »▼« to select »Whispersync for Games« and press »●« to select »OFF«.

Note:

■ Set the function to »ON« with »●« to enable it again.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Appstore

You can use this menu to manage automatic updates for applications, as well as in-app purchases and download permissions outside Amazon Appstore.

1 Under the »Applications« menu, press »▼« to select »Appstore« and confirm with »●«.
– »APPSTORE« menu will be displayed.

Automatic updates for applications

To allow for automatic updates, turn the setting »ON«.

1 In the »Appstore« menu, press »▼« to select »Automatic Updates« and press »●« to select »ON«.

Note:

■ Set the function to »OFF« again with »●«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

External market links

This is for the times you want to download an application from a link other than Appstore.

1 In the »Appstore« menu, press »▼« to select »External Market Links« and press »●« to confirm.
– »EXTERNAL MARKET LINKS« menu will be displayed.

2 Press »▼« or »▲« to select »Open with the Amazon Appstore«, »Don't Open« or »Ask Before Opening« and confirm with »●«.
– »Open with the Amazon Appstore«: Open external link automatically with Amazon Appstore.
– »Don't Open«: Do not open external link.
– »Ask Before Opening«: Ask before opening the external link with Amazon Appstore.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

In-app purchases

In some applications, you can purchase in-app items. In-app items include newspaper subscriptions, additional levels in games, premium content or extra functions.

1 To allow in-app purchases, go to the »Appstore« menu, press »▼« to select »In-App Purchases« and then press »●« to turn it »ON«.

Note:

■ Set the function to »OFF« again with »●«.

2 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Manage my app subscriptions

Please visit www.amazon.com/appstoresubscriptions to manage your app subscription.

App notifications

Display app notifications.

1 To allow app notifications, go to the »Appstore« menu, press »▼« to select »Notifications« and then press »●« to turn it »ON«.

Note:

■ Set the function to »OFF« again with »●«.

2 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Hide cloud apps

In your app library, hide the apps that you have but are not installed. This makes it easier for you to view installed apps.

1 To hide cloud apps, go to the »Appstore« menu, press »▼« to select »Hide Cloud Apps«, and then press »●« to select »ON«.

Note:

■ Set the function to »OFF« again with »●«.

2 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Manage installed apps

View and manage installed apps.

1 Under the »Applications« menu, press »▼« to select »Manage Installed Applications« and confirm with »●«.
– »MANAGE INSTALLED APPLICATIONS« menu will be displayed.

Displaying apps

1 Select »Show« and confirm with »●«.
– »SHOW« menu will be displayed.

2 Press »▼« or »▲« to select »All Applications«, »Internal Only« or »USB Only«, then press »●« to confirm.
– »All Applications«: Displays all applications in the internal and external memory.
– »Internal Only«: Displays apps in internal memory.
– »USB Only«: Displays apps in the external data medium.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Force stopping an app

You can force stop an app.

1 Under the menu »MANAGE INSTALLED APPLICATIONS«, press »▼« or »▲« to select the app you want to force stop and confirm with »●«.

2 Press »▼« or »▲« to select »Force stop« and confirm with »●«.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Clearing an app's data

You can clear the data of an app.

Note:

■ This will delete the app data permanently. These data include all files, settings, accounts and databases.

1 Under the menu »MANAGE INSTALLED APPLICATIONS«, press »▼« or »▲« to select the app whose data you wish to clear and confirm with »●«.

2 Press »▼« or »▲« to select »Clear data« and confirm with »●«.

3 To confirm deletion, select »Clear data«;

or

to cancel, select »Cancel« and press »●« to confirm.

4 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Clearing an app's cache

You can clear the cache of an app.

Note:

■ This will delete cache of the app.

1 Under the menu »MANAGE INSTALLED APPLICATIONS«, press »▼« or »▲« to select the app whose data you wish to clear and confirm with »●«.

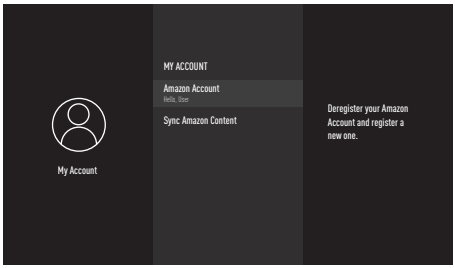
2 Press »▼« or »▲« to select »Clear cache« and confirm with »●«.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »My Account« and confirm with »●«.
– »MY ACCOUNT« menu will be displayed.



Deregistering the Amazon account

Deregister your Amazon Account and register a new one.

1 In the »MY ACCOUNT« menu, press »∨« or »∧« to select »Amazon Account« and confirm with »●«.

2 Confirm »Deregister« with »●«.

Note:

- This will remove your TV from your Amazon account. Content in the TV will be removed and many features will not function. To remove personal data, use the option to restore to factory defaults in the settings.

3 To remove your account, select »Deregister«;

<u>or</u>

to cancel, select »Cancel« and press »●« to confirm.

4 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Note:

- To get a new account or sign in with a different account, see "Amazon Sign in/ Sign up" on page 35.

Synchronising the content purchased for Amazon account

Synchronise the purchased Amazon content with the TV

1 In the »MY ACCOUNT« menu, press »∨« or »∧« to select »Sync Amazon Content« and confirm with »●«.
– »Synchronizing...« will be displayed and the content in your account will be synchronised with the TV.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

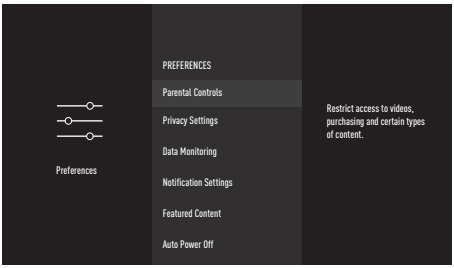
PARENTAL CONTROL

Restrict access to certain types of content not suitable for children and to in-app purchases.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.



4 Press »∨« or »∧« to select »Parental Controls« and confirm with »●«.

5 On the screen you will see, set a password.

6 Re-enter the password to confirm.

7 Confirm »Parental Controls Enabled« with »●«.
– Additional options for parental controls will be displayed in the menu.

Note:

■ Additional procedures are explained in the following sections.

PIN protect purchases

You need to enter the PIN you previously set in order to purchase videos, apps and games.

1 Under the »PARENTAL CONTROLS« menu, press »∨« or »∧« to select »PIN Protect Purchases« and press »●« to set it to »ON«.

Note:

■ To disable PIN Protect Purchases, press »●« to set it to »OFF«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Viewing restrictions

You can restrict Amazon videos with age limit.

1 Under the »PARENTAL CONTROLS« menu, press »∨« or »∧« to select »Viewing Restrictions« and press »●« to confirm.
– »VIEWING RESTRICTIONS« menu will be displayed.

2 Press »∨« or »∧« to select from »General«, »Family«, »Teen«, »Young Adults« and »Mature«, then press »●« to confirm.
– Rating will be marked with »🔒«.
Depending on the age limit of the selected rating, the relevant content cannot be viewed without entering the PIN.

Note:

■ To disable PIN protection for the rating, press »∨« or »∧« and confirm with »●«. The rating will be marked with »✔«.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Broadcast Ratings

Use ratings to restrict antenna broadcast TV programmes accessed directly from the Fire TV user menu (such as Programme Guide or ON NOW line). Use third party applications to manage content settings accessed on these applications.

1 Under the »PARENTAL CONTROLS« menu, press »▼« or »▲« to select »Broadcast Ratings« and press »●« to confirm.
– »BROADCAST RATINGS« menu will be displayed.

2 Press »▼« or »▲« to select access level and confirm with »●«.
– The access level you selected will be marked with »🔒«.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

PIN protect app launches

The PIN you previously determined must be entered before launching apps and games.

These settings do not apply to certain content accessed directly through the Fire TV user interface (such as the Programme Guide).

1 Under the »PARENTAL CONTROLS« menu, press »▼« or »▲« to select »PIN Protect App Launches« and press »●« to set it to »ON«.

Note:

■ To disable PIN Protect App Launches, press »●« to set it to »OFF«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

PIN protect Amazon photo app

The PIN you previously determined must be entered before launching Amazon Photos.

When the PIN Protect App Launches function is set to »ON«, these settings are not taken into account.

1 Under the »PARENTAL CONTROLS« menu, press »▼« or »▲« to select »PIN Protect Amazon Photo App« and press »●« to set it to »ON«.

Note:

■ To disable »PIN Protect Amazon Photo App«, press »●« to set it to »OFF«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Changing the PIN code

1 Under the »PARENTAL CONTROLS« menu, press »▼« or »▲« to select »Change PIN« and press »●« to confirm.

2 Enter the current PIN.

3 Enter the new PIN.

4 Re-enter the new PIN to confirm.
– »Saving PIN« message will be displayed and the PIN will change.

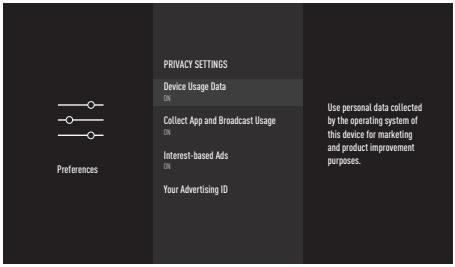
5 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »▼« or »▲« to select »Privacy Settings« and confirm with »●«.
– »PRIVACY SETTINGS« menu will be displayed.



Note:

- Additional procedures are explained in the following sections.

Device usage data

You can allow for or prevent personal data collected by the TV's operating system from being used for marketing and product development purposes.

1 Under the »PRIVACY SETTINGS« menu, press »▼« or »▲« to select »Device Usage Data« and press »●« to set it to »ON«.

Note:

- To disable »Device Usage Data«, press »●« to set it to »OFF«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Collect app and broadcast usage data

You can allow Amazon or prevent it from using data about the frequency and time of your use of the broadcast content as well as third party apps.

1 Under the »PRIVACY SETTINGS« menu, press »▼« or »▲« to select »Collect App and Broadcast Usage Data« and press »●« to set it to »ON«.

Note:

- To disable »Collect App and Broadcast Usage Data«, press »●« to set it to »OFF«.

2 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Interest-based ads

If you disable interest-based ads on this appliance, the apps will be asked not to use the advertising ID to create profiles aimed at advertising or target you for interest-based ads on this appliance.

Advertising ID is a resettable identifier used to create profiles or show interest-based ads.

1 Under the »PRIVACY SETTINGS« menu, press »▼« or »▲« to select »Interest-based Ads« and press »●« to set it to »ON«.

2 To reset your advertising ID, press »▼« to select »Your Advertising ID« and press »☰«, then press »●«.

Note:

- To disable »Interest-based Ads«, press »●« to set it to »OFF«.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Data monitoring

Monitor data use on your TV.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »▼« or »▲« to select »Data Monitoring« and confirm with »●«.

5 Select »Data Monitoring« with »●« and set it to »ON«.

Setting video quality

You can set the video quality for Amazon Video to reduce data use.

1 Press »▼« to select »Set Video Quality« and confirm with »●«.

2 Press »▼« or »▲« to select »Good«, »Better« or »Best« and confirm with »●«.
– »Good« Ensures video streaming at a low bit rate to minimise cache, providing savings from most of the internet data.
– »Better« Quality video streaming experience. Ensures video streaming at a lower bit rate to provide savings from internet data.
– »Best« Video streaming at the highest quality. It uses the highest amount of internet data.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Setting data alert

An on-screen message will be displayed when data use of the TV reaches 90% or 100% of the limit.

Note:

- This is for informative purposes only; data use will not be blocked after reaching 100%.

1 Press »▼« to select »Set Data Alert« and confirm with »●«.

2 For data limit, select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– Press »◀◀« to delete the character typed.

3 Press »▶❚❚« to select »Next«.

4 To enter the start date of your monthly internet bill, select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– Press »◀◀« to delete the character typed.

5 Press »▶❚❚« to select »Next«.
– Confirmation message will be displayed.

6 Press »▶❚❚« to confirm.

7 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Highest data use per month

It shows the data used by applications.

1 Press »▼« to select »Monthly Top Data Usage« and confirm with »●«.
– Apps installed on your TV will be displayed.

2 Press »▼« or »▲« to select the app whose data use you wish to view.
– The amount of data used will be displayed on the right side of the menu.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Notification settings

Turn off all notification pop-ups or disable/ enable notifications from certain apps.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »v« then »>« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »v« or »^« to select »Notification Settings« and confirm with »●«.

5 To disable all app notifications, set »Do Not Interrupt« to »ON« with »●«.

Note:

- To re-enable all app notifications, set »Do Not Interrupt« to »OFF« with »●«.

6 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Setting app notifications

1 Under the »NOTIFICATION SETTINGS« menu, press »v« to select »App Notifications« and confirm »●«.
– »APP NOTIFICATION« menu will be displayed.

2 Press »v« or »^« to select the app for which you will disable/enable notifications and to disable/enable, confirm with »●«.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Featured content

Manage videos and sounds in the content section under the »Home« menu.

When this function is set to »On«, if a content recommended in the »Home« menu is selected, you allow it to play automatically.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »v« then »>« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »v« or »^« to select »Featured Content« and confirm with »●«.

5 Set »Allow Video Autoplay« to »ON« or »OFF« with »●«.

6 Press »v« to select »Allow Audio Autoplay« and press »●« to set it to »ON« or »OFF«.

7 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Auto power off

The television will switch to stand-by mode in 4 hours according to European regulations, if no key on the keypad of the TV or the remote control is pressed.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »V« then »>« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »V« or »^« to select »Auto Power Off« and press »●« to set it to »On«.

Note:

- Turn off the function by setting it to »Off« with »●«.

5 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Position setting

Set your postal code to customise weather. You can also set it to the Alexa app.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »V« then »>« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »V« or »^« to select »Location« and press »●« to confirm.

5 For postal code, select the required character with »<«, »>«, »V« or »^« and move to the next character with »●«.
– Press »◀◀« to delete the character typed.

6 Press »▶❚❚« to select »Next«.

7 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Time zone setting

You can change time zone settings.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »V« then »>« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »V« or »^« to select »Time Zone« and press »●« to confirm.
– »TIME ZONE« menu will be displayed.

5 Set »24-Hour Time« to »ON« or »OFF« with »●«.

6 Press »V« to select »Time Zone« and confirm with »●«.
– »TIME ZONE« menu will be displayed.

7 Press »V« or »^« to select your zone and confirm with »●«.

8 Press »V« or »^« to select the time zone and confirm with »●«.

9 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Synchronising date and time

Enable automatic date and time synchronisation online. If this function is disabled, your TV will be synched with the time information from the TV broadcast.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »▼« to select »Sync Date and Time« and press »●« to set it to »ON« or »OFF«.

Note:

- When this function is set to »ON«, date and time information will be received from the Amazon account you logged in with. You can use the Alexa Companion App that you logged in to configure the date and time settings for your Amazon account.

5 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Changing the menu language

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Press »▼« or »▲« to select »Language« and press »●« to confirm.
– »LANGUAGE« menu will be displayed.

5 Press »▼« or »▲« to select the menu language and press »●« to confirm.

6 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Metric unit setting

You can display the temperature and distance in metric units. You can also set it to the Alexa app.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Preferences« and confirm with »●«.
– »PREFERENCES« menu will be displayed.

4 Set »Metric Units« to »ON« or »OFF« with »●«.

5 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Changing the audio language

(only for digital television channels)

You can define a primary and a secondary audio language.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« and then »▶« to select »Display & Sounds«, and confirm with »●«.

4 Press »▼« to select »Preferred Live TV Language« and confirm with »●«.
– »PREFERRED LIVE TV LANGUAGE« menu will be displayed.

5 Confirm »Primary Audio Language« with »●«.

6 Press »▼« or »▲« to select primary audio language and confirm with »●«.

7 Press »↩« to return to the previous menu.

8 Press »▼« or »▲« to select »Secondary Audio Language« and confirm with »●«.

9 Press »▼« or »▲« to select the secondary audio language and confirm with »●«.

10 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Changing the subtitle language

(only for digital television channels)

You can disable subtitles, select subtitle language and assign a secondary subtitle language.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« and then »>« to select »Display & Sounds«, and confirm with »●«.

4 Press »∨« to select »Preferred Live TV Language« and confirm with »●«.
– »PREFERRED LIVE TV LANGUAGE« menu will be displayed.

5 Confirm »Primary Subtitle Language« with »●«.

6 Press »∨« or »∧« to select primary subtitle language and confirm with »●«.

7 Press »↩« to return to the previous menu.

8 Press »∨« or »∧« to select »Secondary Subtitle Language« and confirm with »●«.

9 Press »∨« or »∧« to select secondary subtitle language and confirm with »●«.

10 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Menu navigation sounds

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« and then »>« to select »Display & Sounds«, and confirm with »●«.

4 Press »∨« to select »Navigation Sounds« and press »●« to set it to »ON« or »OFF«.

5 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Sleep timer

In the »Sleep Timer« menu you can enter a time for the television to switch off. After this time has elapsed, the TV will switch to standby mode.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Sleep Timer« and confirm with »●«.

4 Press »∨« or »∧« to select sleep time and confirm with »●«.

Note:

- In the »Home« menu, you can press and hold »⌂« to set the sleep timer under the Tools menu.

5 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Screen saver settings

Personalise your screen saver; change albums, sorting, slide style or slide speed.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« and then »>« to select »Display & Sounds«, and confirm with »●«.

4 Press »∨« to select »Screen Saver« and confirm with »●«.
– »Screensaver Settings« menu will be displayed.

Note:

- Additional procedures are explained in the following sections.

Current screen saver

1 Confirm »Current Screensaver« with »●«.
– Current screen saver collection will be displayed.

2 Press »↩« to return to the previous menu.

Changing the slide style

Change the slide style for screen saver images.

1 Press »▼« to select »Slide Style« and confirm with »●«.

2 Press »▼« or »▲« to select »Pan & Zoom«, »Dissolve« or »Mosaic« and confirm with »●«.

Changing the slide speed

Change the slide speed for screen saver images.

1 Press »▼« to select »Slide Speed« and confirm with »●«.

2 Press »▼« or »▲« to select »Slow«, »Medium« or »Fast« and confirm with »●«.

Screen saver start time

You can disable the screen saver or select its start time.

1 Press »▼« to select »Start Time« and confirm with »●«.

2 Press »▼« or »▲« to select »5 minutes«, »10 minutes«, »15 minutes« or »Never« for start time and confirm with »●«.

Note:

■ You can select »Never« to disable screen saver.

Displaying information

Display information about screen saver images.

1 Press »▼« to select »Display Info« and press »●« to set it to »ON«.
– Under the image displayed, you will see information regarding the image.

Note:

■ Set the function to »OFF« with »●«.

Shuffle

Display screen savers on shuffle.

1 Press »▼« to select »Shuffle« and press »●« to set it to »ON«.
– Images will be displayed on shuffle.

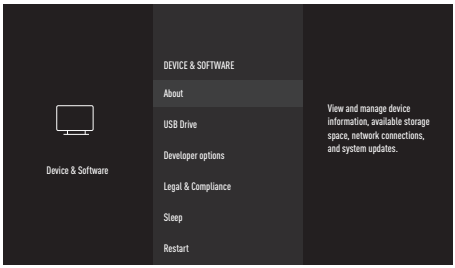
Note:

■ Set the function to »OFF« with »●«.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« and then »>« to select »Device & Software«, and confirm with »●«.
– »DEVICE & SOFTWARE« menu will be displayed.



Note:

- Additional procedures are explained in the following sections.

About

View and manage device details, available storage capacity, network connections and system updates.

1 In the »DEVICE & SOFTWARE« menu, press »∨« or »∧« to select »About« and confirm with »●«.
– »ABOUT« menu will be displayed.

2 Press »∨« or »∧« to select »Your TV«, »Storage«, »Network« or »Check for Updates«. Information regarding the selected category will be displayed on the right-hand side of the menu.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Software update

1 In the »DEVICE & SOFTWARE« menu, press »∨« or »∧« to select »About« and confirm with »●«.
– »ABOUT« menu will be displayed.

2 Press »∨« or »∧« to select »Check for Updates« and confirm with »●«.
– Check for new software updates. If there is a new software update, follow the on-screen instructions to install.

Warning:

- Television will restart after update. Do not turn your television's power off during updates.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

USB DRIVE

1 In the »DEVICE & SOFTWARE« menu, press »∨« or »∧« to select »USB Drive« and confirm with »●«.
– »USB DRIVE« menu will be displayed.

Note:

- »USB Drive« will be displayed in the menu only if an external USB drive is connected to the TV.

Removing the external USB drive

Disconnect the data medium before removing an external USB drive connected to USB(HDD) or USB1 sockets.

1 Confirm »Eject USB Drive« with »●«.
– »USB Storage Ejected« will be displayed.

2 Remove the external data medium from the USB socket.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Formatting the external USB drive and using it as a storage device

If you want to use an external USB drive, which is connected to the **USB(HDD)** or **USB1** socket on the TV, as a storage device and to keep applications in this external USB drive, that USB drive must be formatted by Fire TV. After formatting is complete, this external USB drive can be used to download applications only by this Fire TV.

Warning:

- This will delete all content in the external USB drive.

1 Confirm »Eject USB Drive« with »●«.
  – »Formating USB Drive, TV is formatting your USB drive« will be displayed.

Note:

- Formatting may take some time depending on the size of the external USB drive.

2 Once formatting is done, »Format Complete« will be displayed. Press »●« to confirm.
  – The applications you download will be installed in this external USB drive.

3 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Developer options

Enable ADB connections on network

1 In the »DEVICE & SOFTWARE« menu, press »⮟« or »⮝« to select »Developer Options« and confirm with »●«.
  – »DEVELOPER OPTIONS« menu will be displayed.

ADB debugging

Turn this on to enable ADB debugging connections on network.

Warning:

- When debugging is set to »ON«, the device will allow for downloading applications from untrusted sources.

1 Set »ADB debugging« to »ON« or »OFF« with »●«.

2 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Permission for downloading apps from unknown sources

Allow apps not found on Appstore to be downloaded. Turn this setting »ON« only if you are downloading apps from trusted sources in terms of developers.

1 Set »Apps from Unknown Sources« to »ON« or »OFF« with »●«.

2 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Legal and compliance documents

In this menu, you can access Legal and Compliance documents.

1 In the »DEVICE & SOFTWARE« menu, press »V« or »Λ« to select »Legal & Compliance« and confirm with »●«.
– »LEGAL & COMPLIANCE« menu will be displayed.

Legal notices

1 Press »V« or »Λ« to select »Legal Notices« and press »●« to confirm.
– Legal notices will be displayed.

2 Press »V« or »Λ« to move up and down on the page.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Terms of use

1 Press »V« or »Λ« to select »Terms of Use« and press »●« to confirm.
– »TERMS OF USE« menu will be displayed.

1 Press »V« or »Λ« to select the term of use you wish to view and confirm with »●«.
– The selected term of use will be displayed.

2 Press »V« or »Λ« to move up and down on the page.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Privacy

1 Press »V« or »Λ« to select »Privacy« and confirm with »●«.
– Privacy notice will be displayed.

2 Press »V« or »Λ« to move up and down on the page.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Alexa & Alexa device FAQs

1 Press »V« or »Λ« to select »Alexa & Alexa Device FAQs« and press »●« to confirm.
– Frequently asked questions will be displayed.

2 Press »V« or »Λ« to move up and down on the page.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Fire TV Edition television FAQs

1 Press »V« or »Λ« to select »Fire TV Edition television FAQs« and press »●« to confirm.
– Frequently asked questions will be displayed.

2 Press »V« or »Λ« to move up and down on the page.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Sleep mode

Set the television to sleep mode

1 In the »DEVICE & SOFTWARE« menu, press »V« or »Λ« to select »Sleep« and confirm with »●«.
– The television will switch to sleep mode.

2 Press »⏻« or »●« to turn the TV on again.

Restarting the TV

1 In the »DEVICE & SOFTWARE« menu, press »V« or »Λ« to select »Restart« and confirm with »●«.
– The television will restart..

Resetting the television to its original status

This function enables you to delete channel lists and all custom settings.

1 In the »DEVICE & SOFTWARE« menu, press »V« or »Λ« to select »Reset to Factory Defaults« and confirm with »●«.
– A warning message will be displayed.

2 Press »Reset« to confirm the security query;

or

3 to cancel, press »Cancel« and confirm with »●«.
– In a short while »Installation Guide« is displayed.

4 Continue the settings as described in the chapter on first installation and searching for channels on page 17.

ACCESSORIES

You can connect various accessories to your television, e.g. game controller, keyboard or mouse. You can display the status of the connected accessory from this menu to make various adjustments.

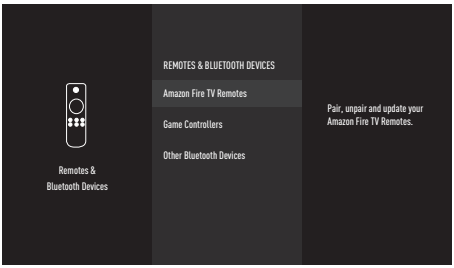
Note:

- Accessories are supplied separately. It is not supplied with the television. Please contact your dealer from where you have purchased your TV in order to obtain more information for buying glasses.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Remotes & Bluetooth Devices« and confirm with »●«.
– »REMOTES & BLUETOOTH DEVICES« menu will be displayed.



Note:

- Additional procedures are explained in the following sections.

Amazon Fire TV remotes

Pair, remove or update Amazon Fire TV Remotes.

1 Under the »CONTROLLERS & BLUETOOTH DEVICES« menu, press »∨« or »∧« to select »Amazon Fire TV Remotes« and confirm with »●«.
– »AMAZON FIRE TV REMOTES« menu will be displayed.

2 From »Amazon Fire TV Remotes«, display information for the relevant TV remote.

3 To pair a new remote, press »∨« to select »Add New Remote« and confirm with »●«.
– Add the new remote by following the on-screen instructions.

Note:

- If you have problems pairing the Bluetooth remote control, you need to reset it. To do this, press and hold »<«, »↩« and »☰« on the remote control simultaneously for 10 seconds, remove the batteries and insert them back.

4 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Game controllers

Pair or remove Bluetooth game controllers.

1 Under the »CONTROLLERS & BLUETOOTH DEVICES« menu, press »∨« or »∧« to select »Game Controllers« and confirm with »●«.
– »GAME CONTROLLERS« menu will be displayed.

2 To pair the game controller, select »Add New Game Controller« and press »●«.
– Add the game controller by following the on-screen instructions.

3 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Other Bluetooth devices

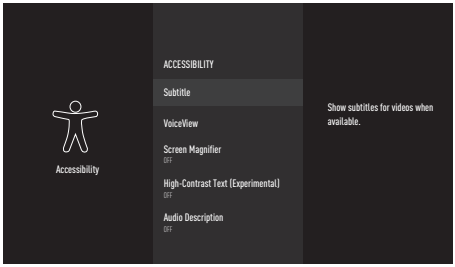
Pair/remove other Bluetooth devices with/from the remote control, speaker, keyboard or mouse.

1 Under the »CONTROLLERS & BLUETOOTH DEVICES« menu, press »▼« or »▲« to select »Other Bluetooth Devices« and confirm with »●«.
   – »OTHER BLUETOOTH DEVICES« menu will be displayed.

2 To pair a device, select »Add Bluetooth Devices« and press »●«.
   – Add the Bluetooth device by following the on-screen instructions.

3 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

1 Press »⌂«.
2 Press »>« to select »Settings«.
3 Press »∨« then »>« to select »Accessibility« and confirm with »●«.
– »ACCESSIBILITY« menu will be displayed.



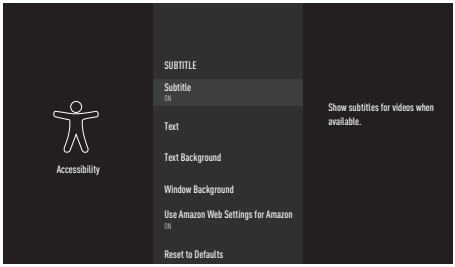
Note:

- Additional procedures are explained in the following sections.

Subtitles

You can display or customise subtitles for supported videos.

1 In the »ACCESSIBILITY« menu, press »∨« or »∧« to select »Subtitle« and confirm with »●«.
– »SUBTITLE« menu will be displayed.
2 Select »Subtitle« with »●« and set it to »ON«.
– Subtitle settings will be displayed.



Altyazı size

1 In the »TEXT« menu, confirm »Size« with »●«.
2 Press »∨« or »∧« to select one of the subtitle sizes and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.
3 Press »↩« to return to the previous menu.

Subtitle colour

1 In the »TEXT« menu, press »∨« or »∧« to select »Colour« and confirm with »●«.
2 Press »∨« or »∧« to select the subtitle colour and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.
3 Press »↩« to return to the previous menu.

Subtitle opacity

1 In the »TEXT« menu, press »V« or »Λ« to select »Opacity« and confirm with »●«.

2 Press »V« or »Λ« to select the subtitle opacity and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.

3 Press »⮌« to return to the previous menu.

Subtitle font

1 In the »TEXT« menu, press »V« or »Λ« to select »Font« and confirm with »●«.

2 Press »V« or »Λ« to select the subtitle font and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.

3 Press »⮌« to return to the previous menu.

Subtitle edge style

1 In the »TEXT« menu, press »V« or »Λ« to select »Edge Style« and confirm with »●«.

2 Press »V« or »Λ« to select the subtitle edge style and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.

3 Press »⮌« to return to the previous menu.

Subtitle background

1 In the »SUBTITLE« menu, confirm »Text Background« with »●«.
– »TEXT BACKGROUND« menu will be displayed.

2 Confirm »Colour« with »●«.

3 Press »V« or »Λ« to select the subtitle background colour and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.

4 Press »⮌« to return to the previous menu.

Subtitle background opacity

1 In the »TEXT BACKGROUND« menu, press »V« or »Λ« to select »Opacity« and confirm with »●«.

2 Press »V« or »Λ« to select the subtitle background opacity and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.

3 Press »⮌« to return to the previous menu.

Subtitle window background

1 In the »SUBTITLE« menu, confirm »Window Background« with »●«.
– »WINDOW BACKGROUND« menu will be displayed.

2 Confirm »Colour« with »●«.

3 Press »V« or »Λ« to select the subtitle window background colour and confirm with »●«.
– You will see the preview of the selected setting on the right-hand side of the screen.

4 Press »⮌« to return to the previous menu.

Subtitle opacity window background

1 In the »WINDOW BACKGROUND« menu, press »▼« or »▲« to select »Opacity« and confirm with »●«.

2 Press »▼« or »▲« to select the subtitle window background opacity and confirm with »●«.
   – You will see the preview of the selected setting on the right-hand side of the screen.

3 Press »↩« to return to the previous menu.

Amazon web subtitles

Use Amazon web settings for Amazon video subtitles.

1 Under the »SUBTITLE« menu, confirm »Use Amazon Web Settings for Amazon Video Subtitles« with »●«.

2 Select »Subtitle« with »●« and set it to »ON«.

3 Press »↩« to return to the previous menu.

Restoring factory defaults for subtitle settings

1 To reset the changes made in the »SUBTITLE« menu, press »▼« to select »Reset to Default« and confirm with »●«.
   – All the changes you have made will be reset.

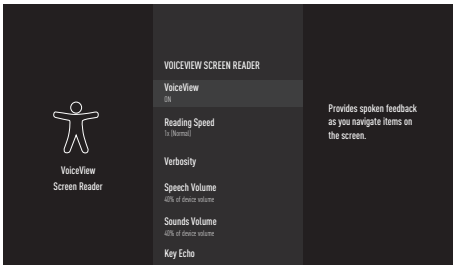
2 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

VoiceView screen reader

VoiceView provides audio feedback while navigating through the items on the screen. Turn on/off the VoiceView screen reader, configure settings like the reading speed and volume.

1 In the »ACCESSIBILITY« menu, press »▼« or »▲« to select »VoiceView« and confirm with »●«.
   – »VOICEVIEW SCREEN READER« menu will be displayed.

2 Select »VoiceView« with »●« and set it to »ON«.
   – VoiceView screen reader settings will be displayed.



Reading speed

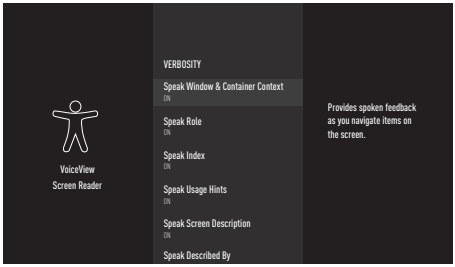
1 In the »VOICEVIEW SCREEN READER« menu, press »▼« or »▲« to select »Reading Speed« and confirm with »●«.

2 Press »▼« or »▲« to select the reading speed and press »●« to confirm.

Verbosity

Set the verbosity provided during navigation.

1 In the »VOICEVIEW SCREEN READER« menu, press »▼« or »▲« to select »Verbosity« and confirm with »●«.
– »VERBOSITY« menu will be displayed.



2 Press »▼« or »▲« to select setting titles and press »●« to set to »ON« or »OFF«.

3 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Speech volume setting

Set the speech volume.

1 Under the »VOICEVIEW SCREEN READER« menu, confirm »Speech Volume« with »●«.

2 Press »▼« or »▲« to select the speech volume and confirm with »●«.

3 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

VoiceView volume setting

Set the VoiceView volume.

1 Under the »VOICEVIEW SCREEN READER« menu, confirm »Sound Volume« with »●«.

2 Press »▼« or »▲« to select the VoiceView volume and confirm with »●«.

3 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Key Echo

Configure to determine whether just characters, just words or both will be heard when entering a text.

1 Under the »VOICEVIEW SCREEN READER« menu, confirm »Key Echo« with »●«.

2 Press »▼« or »▲« to select »None«, »Characters«, »Words« or »Characters and words« and confirm with »●«.

3 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Punctuation Level

Set the punctuation level for VoiceView.

1 Under the »VOICEVIEW SCREEN READER« menu, confirm »Punctuation Level« with »●«.

2 Press »▼« or »▲« to select »None«, »Some«, »Most« or »All« and confirm with »●«.

3 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

VoiceView Tutorial

Learn how to use the VoiceView screen reader.

1 Under the »VOICEVIEW SCREEN READER« menu, confirm »VoiceView Tutorial« with »●«.
– It describes, with sounds and visuals, how to use the VoiceView screen reader.

Screen magnifier

When zoomed in, it tracks the focused-on item. Use these key combinations to control the screen magnifier.

1 In the »ACCESSIBILITY« menu, press »▼« or »▲« to select »Screen Magnifier« and press »●« to set it to »ON«.
   – Key combinations to be used to control the screen magnifier will be displayed.

2 to select Screen Magnifier, select »OK«;

   or

3 to cancel, press »TURN OFF MAGNIFIER« and confirm with »●«.

4 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

High-Contrast Text

It turns menu texts black and white and adds border lines around them to highlight the text.

1 In the »ACCESSIBILITY« menu, press »▼« or »▲« to select »High-Contrast Text (Experimental)« and press »●« to set it to »ON«.

2 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

Audio Description

Audio description is an additional audio channel for people who are visually impaired. The activities, surroundings, scene changes or the appearance, the gestures and facial expressions of the actors are described.

This sound is transmitted at the same time as the normal sound with digital television stations. This depends on the programme being broadcast.

1 In the »ACCESSIBILITY« menu, press »▼« or »▲« to select »Audio Description« and confirm with »●«.
   – »AUDIO DESCRIPTION« menu will be displayed.

2 Press »▼« or »▲« to select »Off«, »Low«, »Medium« or »High« and press »●« to confirm.

3 Press »↩« to go to the previous menu or press »⌂« to return to »Home« menu.

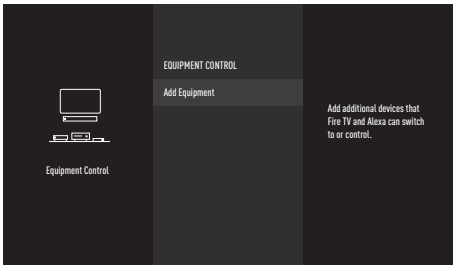
Equipment control

Your television is equipped with an equipment control function. You can use this function to add the remote of your Fire TV and external devices that Alexa can control.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Equipment Control« and confirm with »●«.
– »EQUIPMENT CONTROL« menu will be displayed.



4 Confirm »Add Equipment« with »●«.
– »ADD EQUIPMENT« menu will be displayed.

Note:

- Additional procedures are explained in the following sections.

Soundbar control

You can use your Fire TV remote or Alexa to turn on/off your Soundbar, adjust its volume and change inputs. Installation will take 5 to 10 minutes.

1 Confirm »Soundbar« with »●«.
– »Which brand of soundbar do you have?« will be displayed.

2 Press »∨« or »∧« to select the soundbar brand and press »●« to confirm.

Note:

- If the brand of your soundbar is not in the list, please select »Brand not listed«.

3 Confirm »Next« with »●«.

4 To turn off the soundbar, press »⏻« on the Fire TV remote.

5 Wait for 10 seconds and then press »⏻« to turn the soundbar on again.
– »Did your soundbar turn off and then back on when you pressed »⏻«?« will be displayed.

6 If the Soundbar is turned on with the Fire TV remote, select »Yes«;

or

If there was no response, select »No« and press »●« to confirm.

7 Press »+« and »–« on the Fire TV remote to change the volume for the soundbar.

8 If the volume of the soundbar is changed with the TV remote, select »Yes«;

or

If there was no response, select »No« and press »●« to confirm.

9 »Your Fire TV remote has been updated« will be displayed.

10 To complete installation, confirm »OK« with »●«.

Receiver control

You can use your Fire TV remote or Alexa to turn on/off your receiver, adjust its volume and change inputs. Installation will take 5 to 10 minutes.

1 Confirm »Receiver« with »●«.
– »Which brand of receiver do you have?« will be displayed.

2 Press »▼« or »▲« to select the receiver brand and press »●« to confirm.

Note:

■ If the brand of your receiver is not in the list, please select »Brand not listed«.

3 Confirm »Next« with »●«.

4 To turn off the receiver, press »⏻« on the Fire TV remote.

5 Wait for 10 seconds and then press »⏻« to turn the receiver on again.
– »Did your receiver turn off and then back on when you pressed »⏻«?« will be displayed.

6 If the receiver is turned on with the Fire TV remote, select »Yes«;

or

If there was no response, select »No« and press »●« to confirm.

7 Press »+« and »-« on the Fire TV remote to change the volume for the soundbar.

8 If the volume of the receiver is changed with the TV remote, select »Yes«;

or

If there was no response, select »No« and press »●« to confirm.

9 »Your Fire TV remote has been updated« will be displayed.

10 To complete installation, confirm »OK« with »●«.

HDMI CEC

Your television is equipped with CEC feature. This feature utilizes CEC (Consumer Electronics Control) protocol. CEC allows you to make an HDMI connection between your TV and DVD player, STB or video recorder and control such equipment with the remote control of the television. You can use the TV remote for playback, navigation and turning on/off. This feature must also be supported by the device you will connect.

For detailed information about this function, read the user manual of the external device.

Enabling HDMI CEC device control

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« and then »▶« to select »Display & Sounds«, and confirm with »●«.

4 Press »▼« to select »HDMI CEC Device Control« and press »●« to select »ON«.

Note:

■ Set the function to »OFF« with »●«.

5 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

High Resolution – HD ready

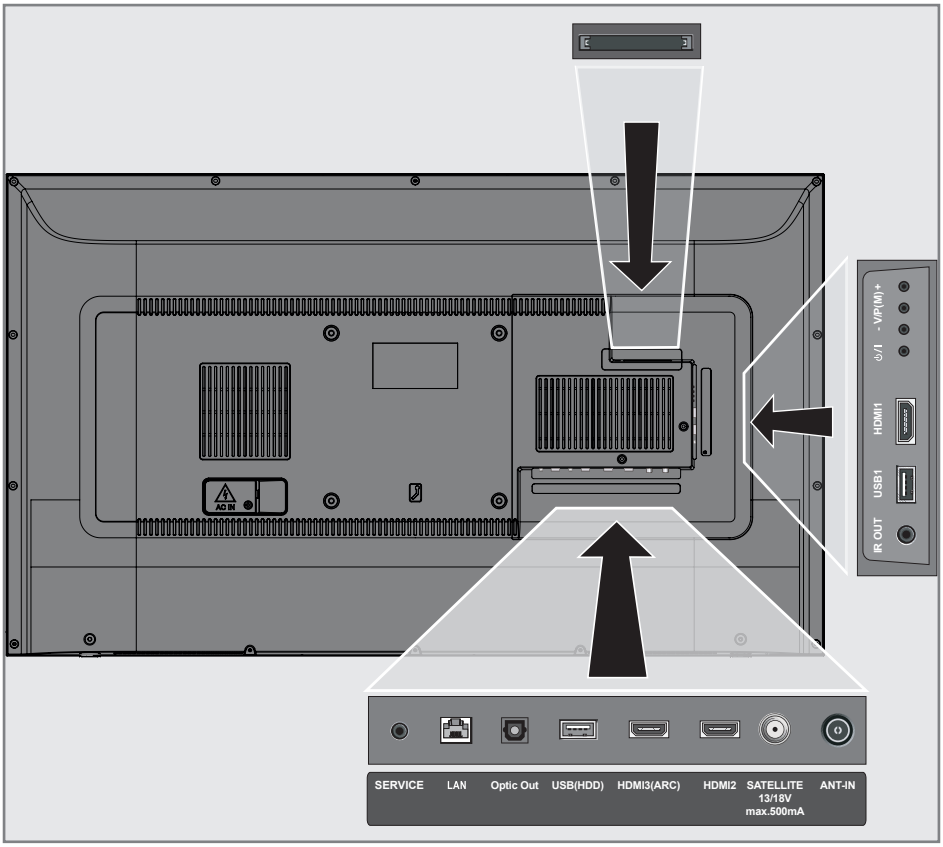
Your television can play high-definition television signals (HDTV).

You can connect the input sources (HDTV set-top box or High Definition DVD player) to the »**HDMI**« socket (digital HDTV signal).

This ensures that you can view digital HDTV programmes, even if they are copy-protected (HDCP High Bandwidth Digital Content Protection).

Connection options

- Which television socket(s) you connect your external devices to depends on the sockets the external device is equipped with and the signals which are available.
- Note that with many external devices the resolution of the video signal must be adapted to the input sockets on the television (check the external device's instruction manual). You can find out which values you need to set by referring to the guidelines in the section about connection options.
- Do not connect any other equipment while the device is switched on. Switch off the other equipment as well before connecting it.



- Only plug the device into the mains socket after you have connected the external device.

Connecting an external device

With a digital audio/picture signal

- Compatible devices: Digital satellite receiver, game console, BluRay player, DVD player/ recorder, receivers, laptops, PC.
- Video signal: digital image; definition: standard 576p; HDTV 720p, 1080i, 1080p, 4K
- Audio signal: digital audio (stereo, multi-channel compression, uncompressed).
- Channel position »HDMI1«, »HDMI2«, »HDMI3«.

1 Connect the **HDMI1**, **HDMI2**, **HDMI3 (ARC)** socket on the television and the corresponding HDMI socket on the external device using a standard HDMI cable (digital video and audio signal).

Using a DVD recorder, DVD player, video recorder or set-top box

1 Switch on the video recorder, DVD player or set-top box and select the function you wish to use.

1 In the »Home« menu, press »▼« and under »INPUTS«, press »◀« or »▶« to select the input signal (»HDMI1«, »HDMI2«, »HDMI3«) and confirm with »●«;

or

Press »⌂«, and press »▶« to select »Settings«. Press »▼« to select »Inputs« and confirm with »●«. Press »◀« or »▶« to select the input signal (»HDMI1«, »HDMI2«, »HDMI3«) and confirm with »●«.

Hi-Fi system

Connecting digital multi-channel amplifier/AV receiver

1 Connect the **HDMI3 (ARC)** (HDMI 1.4 Audio Return Channel) socket to the relevant socket on the HDMI ARC compliant Digital multichannel amplifier / AV receiver with a standard HDMI cable (digital audio signal);

or

2 Connect the **Optic Out** socket on the television to the corresponding socket on the AV receiver using a standard optic digital cable (digital audio signal).

Important:

- Do not use a HDMI cable longer than 5 m for HDMI ARC connection.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« and then »▶« to select »Display & Sounds«, and confirm with »●«.

4 Press »▼« to select »Audio Output« and confirm with »●«.
– »AUDIO OUTPUT« menu will be displayed.

5 When you want to get the audio output from the hi-fi system/AV receiver only, confirm »TV Speakers« with »●« and set it to »Off«.

6 Press »↩« to return to the previous menu.

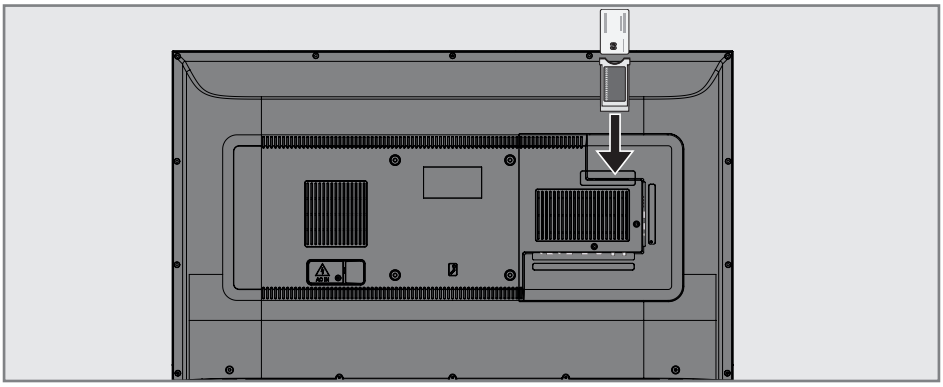
7 Press »▼« to select »Digital Audio Format« and confirm with »●«.

8 Press »▼« or »▲« to set the digital audio input to »PCM«, »Dolby Digital«, »Auto« or »Pass-through« and confirm with »●«.

9 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

Dolby, Dolby Audio double D symbol are trademarks of Dolby Laboratories.

OPERATION WITH COMMON INTERFACE



What is common interface?

- Common Interface (CI) is an interface for DVB receivers.
- Scrambled channels can only be viewed with a CA module suitable for the encoding system and the corresponding smart card.
- The television set is equipped with a Common Interface slot into which CA modules from various providers can be inserted.
- You can insert the provider's smart card into the CA module in order to enable the scramble channels you want to see.

Inserting the CA module

Note:

- Switch off the appliance before inserting the CA module in the **CI** slot.

1 Insert the smart card into the CA module.

2 Insert the CA module with the smart card into the **CI** slot on the television.

Note:

- To see which CA module is in the Common Interface slot, go to the »CA - Module« submenu.
- When you insert a CA module into the CI slot on the television for the first time, wait a few moments until the television has registered the CA module.

Access control for CA module and smart cards

1 Press »⌂«.

2 Press »›« to select »Settings«.

3 Press »˅« then »›« to select »Live TV« and confirm with »●«.

4 Press »˅« to select »CI Card« and confirm with »●«.

Notes:

- This menu give operating instructions and – after you enter your PIN code – access to channels of the PAY-TV provider.
- Other settings are described in the manuals for your CA module and smart card.
- The CA module is not supported in some countries and regions. Please consult your authorised dealer.

5 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

You need wired or wireless internet connection to use features of Grundig Fire TV.

Network connection.

You can establish a wired or wireless connection between your television and the local network.

If you want to use a wired network connection, please start with the instructions here:

If you use a wireless network connection, please follow the instructions in the "Wireless network connection" section on page 71.

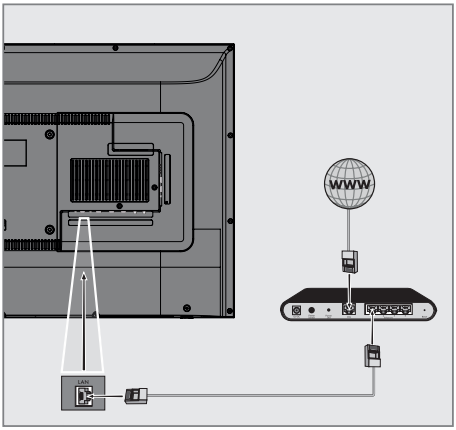
Note:

- The following section describes connecting to the home network if you did not carry this out during the “initial set-up”.

Wired network

Wired network connection

1 Connect the output of external modem to **LAN** socket with Cat 5 cable.



Note:

- Connection cables are not supplied.

Wired network settings

There are two ways of making the wired network settings.

A Automatic connection,
all data regarding connection settings (»IP Address«, »Netmask«, »Gateway« and »DNS«) are obtained from modem automatically.

B Manual connection,
all data regarding connection settings (»IP Address«, »Netmask«, »Gateway« and »DNS«) must be configured manually.

Automatic connection

Most home networks are Dynamic Networks. If you have a dynamic network, you must use a DSL modem that supports DHCP. Modems and IP sharers that support DHCP obtain the »IP Address«, »Netmask«, »Gateway« and »DNS« values required for internet access automatically, and thus you are not required to enter those values manually. Your TV will automatically connect to the network.

Note:

- If you do not have a dynamic network, follow the instructions in manual connection section.

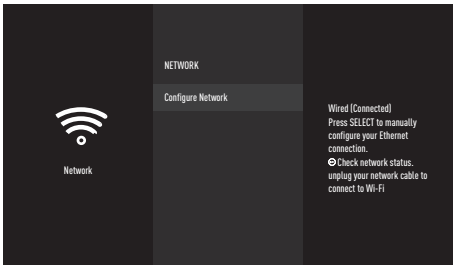
Manual connection

Certain networks require a Static IP address. If your network requires a Static IP address, you must enter the »IP Address«, »Netmask«, »Gateway« and »DNS« values manually. You can get »IP Address«, »Netmask«, »Gateway« and »DNS« values (ISS) from your Internet Service Provider.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »v« then »>« to select »Network« and confirm with »●«.
– »NETWORK« menu will be displayed.



4 Confirm »Configure Network« with »●«.

5 Enter the IP address. Press »<«, »>«, »v« or »^« to select the required character and press »●« to move to the next character.

6 Press »▶❚❚« to select »Next«.

7 Enter the Network Prefix Length. Press »<«, »>«, »v« or »^« to select the required character or press »●« to move to the next character.

8 Press »▶❚❚« to select »Next«.

9 Enter gateway address. Press »<«, »>«, »v« or »^« to select the required character or press »●« to move to the next character.

10 Press »▶❚❚« to select »Next«.

11 Enter DNS 1 address. Press »<«, »>«, »v« or »^« to select the required character and press »●« to move to the next character.

12 Press »▶❚❚« to select »Next«.

13 Enter DNS 2 address. Press »◀«, »▶«, »▼« or »▲« to select the required character and press »●« to move to the next character.

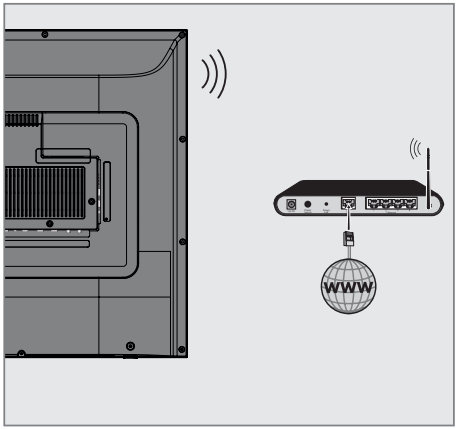
14 Press »▶❚❚« to select »CONNECT« and establish the modem connection.

15 In the »NETWORK« menu, press »▶❚❚« to check status of the network connection.
– Network connection status will be displayed.

16 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Wireless network

Wireless network connection



1 Television is equipped with a built-in Wireless WiFi Adapter to connect to wireless networks.

Notes:

- Wireless LAN adapter supports IEEE 802.11B/G and N communication protocols. We recommend you to use IEEE 802.11N protocol to obtain the best performance in HD video playback over wireless connection.
- If you use a modem that supports IEEE 802.11B/G, video playback performance may be poor when compared to a modem that supports IEEE 802.11N since the data transfer rate of IEEE 802.11B/G protocol is lower.
- It is recommended to switch off the equipment that are not in use in home network in order to avoid unnecessary network traffic.
- Placing the modem or wireless network sharer on an elevated location will increase the wireless connection reception strength.
- Wireless connection reception strength may vary depending on the type of the modem and the distance between the modem and television.

Wireless network configuration

You have several ways to connect your TV to your home network.

Automatic connection,
all data regarding connection settings (»IP Address«, »Netmask«, »Gateway« and »DNS«) are obtained from modem automatically.
Depending on the router, you can use the following options:
- Option "WPS-Button"
- Connection with WPS PIN;
- Connection with Network Password

1 **B** Manual connection,
all data regarding connection settings (»IP Address«, »Netmask«, »Gateway« and »DNS«) must be configured manually.

Technical requirements

Most home networks are Dynamic Networks. If you have a dynamic network, you must use a DSL modem that supports DHCP. Modems and IP sharers that support DHCP obtain the »IP Address«, »Netmask«, »Gateway« and »DNS« values required for internet access automatically, and thus you are not required to enter those values manually.

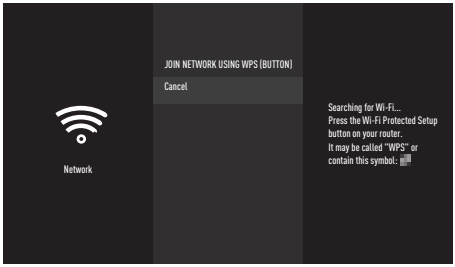
Wireless WPS network connection by pressing a button

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Network« and confirm with »●«.
- »NETWORK« menu will be displayed.

4 Press »▼« to select »Join Network Using WPS (Button)« and press »●«.
- »Press the Wi-Fi Protected Setup button on your router.« will be displayed.



5 Push the WPS button on your router.
- »Connected to Wi-Fi network "Modem_1".« will be displayed and the modem will be connected.

6 In the »NETWORK« menu, press »▶❚❚« to check status of the network connection.
- Network connection status will be displayed.

7 Press »↩« to return to the previous menu or press »⌂« to return to »Home« menu.

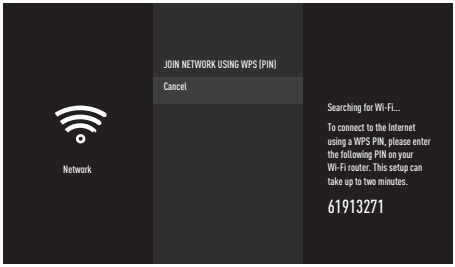
Wireless WPS network connection with PIN

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Network« and confirm with »●«.
– »NETWORK« menu will be displayed.

4 Press »∨« to select »Join Network Using WPS (PIN)« and press »●«.
– 8-digit pin code is displayed in the wireless WPS menu.



Notes:

- Refer to the manual of your router to find out how the PIN is entered via a PC.
- The 8-digit PIN code must be entered in the modem interface in 2 minutes; otherwise, connection of television with the modem is cut.

5 Use a computer to enter PIN to the router (e.g. AVM FRITZ!Box: menu item WLAN Settings... WPS) and save.
– »Connected to Wi-Fi network "Modem_1".« will be displayed and the modem will be connected.

6 In the »NETWORK« menu, press »▶❚❚« to check status of the network connection.
– Network connection status will be displayed.

7 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

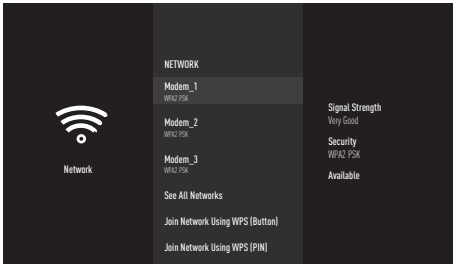
Auto connection by inputting the network password

If your router does not support "WPS-PBC" or WPS PIN entry, use this method to connect.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Network« and confirm with »●«.
– »NETWORK« menu will be displayed.



4 Press »∨« to select »See All Networks« and press »●« to confirm.
– Available wireless networks will be displayed in the »SEE ALL NETWORKS« menu.

5 Press »∨« or »∧« to select the network you want to connect to and confirm with »●«.
– Wireless connection password screen will be displayed.

6 Select the required character with »<«, »>«, »∨« or »∧« and move to the next character with »●«.
– You can press »☰« to switch between uppercase and lowercase letters.
– You can press »#$%« / »äçé« ➡ »●« to switch between special characters.
– Press »◀◀« to delete the character typed.

7 Press »▶❚❚« to select »CONNECT«.
– Modem will be connected.

8 In the »NETWORK« menu, press »▶❚❚« to check status of the network connection.
– Network connection status will be displayed.

9 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

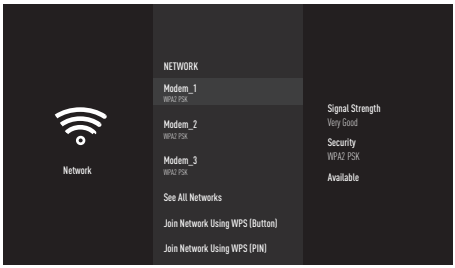
Connecting the TV to a "hidden" network

If your router does not support "WPS-PBC" or WPS PIN entry, use this method to connect.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Network« and confirm with »●«.
– »NETWORK« menu will be displayed.



4 Press »▼« to select »Join Other Network« and confirm with »●«.
– A menu for entering the SSID will be displayed.

5 Select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– You can press »☰« to switch between uppercase and lowercase letters.
– You can press »#$%« / »äçé« ➡ »●« to switch between special characters.
– Press »◀◀« to delete the character typed.

6 Press »▶❚❚« to select »Next«.
– Password type selection menu will be displayed.

7 Press »▼« or »▲« to select »No Security«, »WEP« or »WPA/WPA2 PSK« password type.

8 Press »▶❚❚« to select »Next«.
– Password entry menu will be displayed.

9 Select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– You can press »☰« to switch between uppercase and lowercase letters.
– You can press »#$%« / »äçé« ➡ »●« to switch between special characters.
– Press »◀◀« to delete the character typed.

10 Press »▶❚❚« to select »CONNECT«.
– Modem will be connected.

11 In the »NETWORK« menu, press »▶❚❚« to check status of the network connection.
– Network connection status will be displayed.

12 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

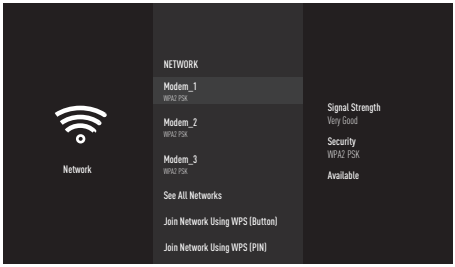
Wireless manual network connection

Certain networks require a Static IP address. If your network requires a Static IP address, you must enter the »IP Address«, »Netmask«, »Gateway« and »DNS« values manually. You can get »IP Address«, »Netmask«, »Gateway« and »DNS« values (ISS) from your Internet Service Provider.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Network« and confirm with »●«.
– »NETWORK« menu will be displayed.



4 Press »▼« to select »Join Other Network« and confirm with »●«.
– A menu for entering the SSID will be displayed.

5 Select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– You can press »☰« to switch between uppercase and lowercase letters.
– You can press »#$%« / »äçé« ➡ »●« to switch between special characters.
– Press »◀◀« to delete the character typed.

6 Press »▶❚❚« to select »Next«.
– Password type selection menu will be displayed.

7 Press »▼« or »▲« to select »No Security«, »WEP« or »WPA/WPA2 PSK« password type.

8 Press »▶❚❚« to select »Next«.
– Password entry menu will be displayed.

9 Select the required character with »◀«, »▶«, »▼« or »▲« and move to the next character with »●«.
– You can press »☰« to switch between uppercase and lowercase letters.
– You can press »#$%« / »äçé« ➡ »●« to switch between special characters.
– Press »◀◀« to delete the character typed.

10 Press »▶❚❚« to select »Next«.
– Summary of the information provided will be displayed.

11 Press »◀« or »▶« to select »Advanced« and press »●«.

12 Enter the IP address. Press »◀«, »▶«, »▼« or »▲« to select the required character and press »●« to move to the next character.

13 Press »▶❚❚« to select »Next«.

14 Enter gateway address. Press »◀«, »▶«, »▼« or »▲« to select the required character or press »●« to move to the next character.

15 Press »▶❚❚« to select »Next«.

16 Enter the Network Prefix Length. Press »◀«, »▶«, »▼« or »▲« to select the required character or press »●« to move to the next character.

17 Enter DNS 1 address. Press »◀«, »▶«, »▼« or »▲« to select the required character and press »●« to move to the next character.

18 Press »▶❚❚« to select »Next«.

19 Enter DNS 2 address. Press »◀«, »▶«, »▼« or »▲« to select the required character and press »●« to move to the next character.

20 Press »▶❚❚« to select »Next«.
– Summary of the information provided will be displayed.

21 Press »▶❚❚« to select »CONNECT«.
– Modem will be connected.

22 In the »NETWORK« menu, press »▶ ▮▮« to check status of the network connection.
– Network connection status will be displayed.

23 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Searching for all satellite-connected digital television stations automatically

New satellite channels are added or satellite data are changed frequently. Therefore, we recommend you to run auto search function from time to time.

All transponders are scanned for new channels.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Satellite« and press »●« to confirm.

8 To delete the previously saved channels and search, select »Yes«;

or

to continue searching without deleting the channels, select »No, keep existing« and press »●« to confirm.

9 Press »▼« or »▲« to select »Full« and press »●« to confirm.

10 Press »▼« or »▲« to select the satellite you want to search from the list and press »●« to confirm.
– »Satellite Connection« will be displayed.

11 Press »▼« or »▲« to select »Scan Mode« and use »◀◀« or »▶▶« to select a scan mode.
– »For free digital TV channels only, select (Free); for paid digital TV channels only, select (Scrambled); for both, select (All).

12 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

13 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Searching for satellite-connected digital television channels manually

If a certain channel cannot be found through auto search, you can search it manually by means of the manual search function. You must enter all parameters of the channel correctly. You can obtain the current transponder information from teletext page, satellite TV magazines or internet.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Satellite« and press »●« to confirm.

8 To delete the previously saved channels and search, select »Yes«;

or

to continue searching without deleting the channels, select »No, keep existing« and press »●« to confirm.

9 Press »▼« or »▲« to select »Manual« and press »●« to confirm.

10 Press »▼« or »▲« to select the satellite you want to search from the list and press »●« to confirm.
– »Satellite Connection« will be displayed.

11 Use »▼« or »▲« to select the necessary elements.

Frequency
For channel frequency, press »◀«, »▶«, »▼« or »▲« to select the required numbers and press »●« to move to the next character. Enter the frequency in 5 digits and press »▶❚❚« to select »Next«.

Polarisation
Press »◀◀« or »▶▶« to set channel polarisation to »Horizontal« or »Vertical«.

Symbol Rate
For channel symbol rate, press »◀«, »▶«, »▼« or »▲« to select the required numbers and press »●« to move to the next character. Enter the frequency in 5 digits and press »▶❚❚« to select »Next«.

Scan Mode
Press »◀◀« or »▶▶« to select. »For free digital TV channels only, select (Free); for paid digital TV channels only, select (Scrambled); for both, select (All).

12 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

13 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Antenna settings for digital satellite channels and searching for channels automatically

Notes:

- The following description about LNB settings provides substantial information about satellite systems. Ask your specialist dealer.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Chanel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Satellite« and press »●« to confirm.

8 To delete the previously saved channels and search, select »Yes«;

or

to continue searching without deleting the channels, select »No, keep existing« and press
»●« to confirm.

9 Press »▼« or »▲« to select »Full« and press »●« to confirm.

10 Press »▼« or »▲« to select the satellite you want to search from the list and press »●« to confirm.
– »Satellite Connection« will be displayed.

11 Select the required elements with »▼«, »▲«.

LNB Type
Press »◀◀« or »▶▶« to select the type of LNB used in the satellite system.

LNB Power
For LNB power, set »13/18V«, »14/19V« according to the LNB type with »◀◀« or »▶▶«.

DiSEqc setup
Select only the required »Off« or »DiSEqC 1.0«.

Scan Mode
Press »◀◀« or »▶▶« to select scan mode. For free digital TV channels only, select (Free); for paid digital TV channels only, select (Scrambled); for both, select (All).

12 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

13 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Antenna settings for digital satellite channels and searching for channels automatically with SCR system

Notes:

- Your TV supports SCR system (Single Channel Router). SCR (Single Channel Router - EN 50494).
- LNB settings described in the following section require significant expertise on satellite systems. Contact your authorised dealer about this matter.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Satellite« and press »●« to confirm.

8 To delete the previously saved channels and search, select »Yes«;

or

to continue searching without deleting the channels, select »No, keep existing« and press »●« to confirm.

9 Press »▼« or »▲« to select »Full« and press »●« to confirm.

10 Press »▼« or »▲« to select the satellite you want to search from the list and press »●« to confirm.
– »Satellite Connection« will be displayed.

11 Press »▼« to select »Single Cable« and press »●« to set it to »ON«.

12 Press »▼« to select »User Band« and press »◀◀« or »▶▶« to select the antenna socket that is being used.

13 Press »▼« to select »Band Frequency« and confirm with »●«.

14 For band frequency, press »◀«, »▶«, »▼« or »▲« to select the required numbers and press »●« to move to the next character. Enter the frequency and press »▶❚❚« to select »Next«.

Notes:

- Use installation equipment supported / suggested by your SCR Switch.
- Other users / receivers connected to the system may be affected if the specified user band number and frequency are changed during installation.
- User band and User band frequency are specified on the SCR switch used; and each user / receiver must select a specified user band and user band frequency.
- With SCR satellite system, auto search by several users / receivers at the same time may cause problems.

15 Press »▼« to select »Scan Mode« and use »◀◀« or »▶▶« to select the scan mode. For free digital TV channels only, select (Free); for paid digital TV channels, select (Scrambled); for both, select (All).

16 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

17 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Antenna settings for digital satellite channels and searching for channels automatically with DiSEqC 1.0

Note:

- LNB settings described in the following section require significant expertise on satellite systems. Contact your authorised dealer about this matter.

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Satellite« and press »●« to confirm.

8 To delete the previously saved channels and search, select »Yes«;

or

to continue searching without deleting the channels, select »No, keep existing« and press »●« to confirm.

9 Press »▼« or »▲« to select »Full« and press »●« to confirm.

10 Press »▼« or »▲« to select the satellite you want to search from the list and press »●« to confirm.
– »Satellite Connection« will be displayed.

11 In »LNB Type«, press »◀◀« or »▶▶« to select the LNB type used in the satellite system.

12 Press »▼« to select »LNB Power« and select »13/18V«, »14/19V« setting with »◀◀« or »▶▶«.

13 Press »▼« to select »DiSEqC setup« and confirm with »●«.
– »Choose DiSEqC mode« menu will be displayed.

14 Press »▼« to select »DiSEqC 1.0« and confirm with »●«.

15 Press »▶❚❚« to select »Next«.
– »Choose DiSEqC port« menu will be displayed.

16 In »Choose DiSEqC port«, press »▼« or »▲« to set the satellite corresponding to the relevant DiSEqC positions to »1«, »2«, »3« or »4«, and press »●« to confirm.

17 Press »▶❚❚« to select »Next«.

18 Press »▼« to select »Scan Mode« and use »◀◀« or »▶▶« to select the scan mode. For free digital TV channels only, select (Free); for paid digital TV channels, select (Scrambled); for both, select (All).

19 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

20 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Searching for television channels from the cable provider quickly

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Cable/TV« and press »●« to confirm.

8 Press »▼« or »▲« to select »Cable - Quick Scan« and press »●« to confirm.
– »CABLE SCAN« menu will be displayed.

9 Confirm »Network ID« with »●« and enter the Network ID.

10 Press »▶❚❚« to select »Next«.

11 Press »▼« to select »Frequency« and press »●« to confirm.

12 Enter the frequency and press »▶❚❚« to select »Next«.

Note

- »Quick« scanning function sets the channels according to the cable operator information in the broadcasting signal. »Network ID« performs the installation that is suitable to your network. Network ID must definitely be entered if known. If you do not know the Network ID, please select »Auto« for »Frequency« and »Network ID«.

13 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

14 Confirm »Done« with »●« to complete the setting process and display the Home menu.

DETAILED CHANNEL SETTINGS

Searching for television channels from the cable provider automatically

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »v« then »>« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »v« or »^« to select the country and press »●« to confirm.

7 Press »v« or »^« to select »Cable/TV« and press »●« to confirm.

8 Press »v« or »^« to select »Cable - Auto Scan« and press »●« to confirm.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

9 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Searching for television channels from the cable provider manually

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »v« then »>« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »v« or »^« to select the country and press »●« to confirm.

7 Press »v« or »^« to select »Cable/TV« and press »●« to confirm.

8 Press »v« or »^« to select »Cable - Manual Scan« and press »●« to confirm.

9 Confirm »Frequency« with »●« and enter the frequency.

10 Press »▶❚❚« to select »Next«.

11 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

12 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Searching for digital terrestrial TV channels automatically

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Cable/TV« and press »●« to confirm.

8 Press »▼« or »▲« to select »TV - Auto Scan« and press »●« to confirm.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

9 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Searching for digital terrestrial TV channels manually

1 Press »⌂«.

2 Press »▶« to select »Settings«.

3 Press »▼« then »▶« to select »Live TV« and confirm with »●«.
– »LIVE TV« menu will be displayed.

4 Confirm »Channel Scan« with »●«.
– »Please make sure your antenna is setup and plugged into your device« will be displayed.

5 Confirm »Next« with »●«.

6 Press »▼« or »▲« to select the country and press »●« to confirm.

7 Press »▼« or »▲« to select »Cable/TV« and press »●« to confirm.

8 Press »▼« or »▲« to select »TV - Manual Scan« and press »●« to confirm.

9 Confirm »Frequency« with »●« and enter the frequency.

10 Press »▶❚❚« to select »Next«.

11 Press »▼« to select »UHF Band« and press »●« to confirm.

12 Enter the UHF band and press »▶❚❚« to select »Next«.

13 Press »▶❚❚« to start searching.
– »Search« menu will appear and channel search will start.
– Channel search will take some time depending on the number of the channels to be searched.

14 Confirm »Done« with »●« to complete the setting process and display the Home menu.

Wireless LAN Module specification (if WiFi module is available)

Standard: IEEE802.11b/g/n

Frequency Range: Output Power (Maximum)

2400 MHz - 2483.5 MHz: <20dBm

Wireless LAN Module specification (if WiFi module is available)

Standard: IEEE802.11a/n/ac

Frequency Range: Output Power (Maximum)

5150 MHz - 5250 MHz: <23dBm

5250 MHz - 5350 MHz: <23dBm

5725 MHz - 5850 MHz: <23dBm

Bluetooth Module specification (If bluetooth module is available)

Frequency Range: Output Power (Maximum)

2400 MHz - 2483.5 MHz: <20dBm

Service information for dealers

This product complies with European Union directives and regulations below:

2014 / 53 / EU Radio equipment directive

2009/125/EC: Directive on eco-design for energy using products and the following sub-directives;

278/2009: Regulation on eco-friendly design requirements for average active efficiency and unloaded energy consumption of external power sources (for models with an AC/DC adapter);

642/2009: Regulation regarding environmentally-conscious design requirements for TVs.

801/2013 Amending regulation regarding ecodesign requirements for televisions.

2010/30/EU: Directive On Energy Labelling of Energy-Related products and the following sub-directives;

1062/2010: Regulation regarding energy labelling of televisions.

2011/65/EU: Directive on limitations on use of certain hazardous materials on electric, electronic domestic and office equipment.

To obtain a copy of declaration of compliance (DoC):

please visit http://www.grundig.com/download/doc. You can access the declaration of conformity by typing model number of your television indicated on the cover page of the instruction manual into the field where it says "Enter model number".

Notes for wireless (WLAN) connection

Notes for customers: The following information is only applicable for devices that are sold in the countries enforcing EU regulations.

TV's wireless system can only be used in the countries given in the table below.

AT	BE	BG	CH	CY	CZ	DE	DK
EE	ES	FI	FR	GB	GR	HU	IE
IS	IT	LI	LT	LU	LV	MT	NL
NO	PL	PT	RO	SE	SI	SK	HR
EN							

The use the 5150 -5350 MHz band is restricted to indoor use only. (For Wi-Fi/Bluetooth built-in model or Wi-Fi Built-in model).

This device can also be operated in the countries outside Europe.

For the customers in Italy:

Public use is subject to service provider's permission.

For the customers in Norway:

Radio equipment use is not allowed in a graphical area within 20 km diameter of Ny-Alesund, Svalbord.

For customers in Turkey:

This device's WLAN (Wifi) feature can only be used indoors. In Turkey, outdoor use is not allowed. Make sure WLAN (Wifi) feature is closed when using outdoors.

For the customers in Russia:

Short Range Device with FHSS Modulation Applications.

Maximum 2.5 mW e.i.r.p.

for collecting telemetry information for automatic tracking and source calculation systems, 100mW e.i.r.p is the maximum allowed short range device density value permitted for use on outdoor applications without any limitation on installation height. For uses with other purposes, this applies to outdoor application in which this value does not exceed 10m above the ground.

Short range device density for indoor applications is 100mW e.i.r.p maximum.

Short range device applications with broadband modulation with DSSS and other than FHSS.

The maximum average density value for short range device applications with broadband modulation with DSSS and other than FHSS is 2 mW/MHz or 100mW e.i.r.p.

For only the purpose of compiling telemetry data for automatic monitoring and source estimation systems, maximum short range device allowed to be used in outdoor applications is 20 mW/MHz or 100 mW e.i.r.p.

Maximum density value for indoor use of short range devices is 10mW/MHz or 100 mW e.i.r.p.

For the customers in Ukraine:

Maximum short range device density value for indoor uses, along with internal antenna with 6 dBi amplification factor, is 100 mW e.i.r.p.

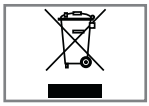
Disposing the packaging

Packaging materials are dangerous for children. Keep the packaging materials out of the reach of children.

The packaging of the product is manufactured from recyclable materials. Dispose of it by sorting it in accordance with disposal instructions. Do not dispose of it together with normal household waste.

Environmental note

This product has been made from high-quality parts and materials which can be re-used and recycled.



Therefore, do not dispose of the product along with normal household waste at the end of its service life. Take it to a collection point for recycling electrical and electronic devices. This is indicated by this symbol on the product, in the operating manual and on the packaging.

Please find out about collection points operated by your local.

Help protect the environment by recycling used products.

Conformity with the WEEE Regulation and Disposing of Waste Product

This product does not contain hazardous or prohibited substances specified in the "Regulations for Supervision of Waste Electrical and Electronic Equipment" Published by the Ministry of Environment and Urban Planning of the Republic of Turkey. Conforms to the WEEE Regulation. This product has been made from high-quality parts and materials which can be recycled and re-used. Therefore, do not throw the product away with household and other waste at the end of its life. Take it to a collection point for recycling electrical and electronic devices. Contact local authorities for the collection points in your region. Help preserve the nature and natural resources by recycling used products. For the safety of children, cut the power cord before disposal.

PCB Conformity:

"Does not contain PCB (Poly-chlorinated Biphenyl)."

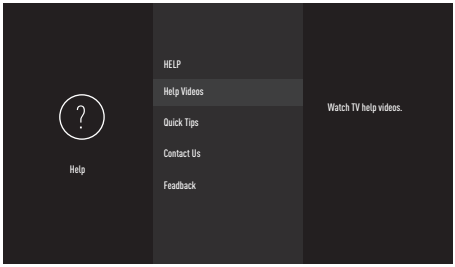
HELP

You can watch help tutorials about the use of the TV, view quick tips, contact Amazon or give feedback.

1 Press »⌂«.

2 Press »>« to select »Settings«.

3 Press »∨« then »>« to select »Help« and confirm with »●«.
– »HELP« menu will be displayed.



Note:

- Additional procedures are explained in the following sections.

Help videos

Watch help videos.

1 In the »HELP« menu, press »∨« to select »Help Videos« and press »●« to confirm.
– »HELP VIDEOS« menu will be displayed.

2 Press »∨« or »∧« to select the topic for which you want to watch the help video and press »●« to confirm.
– After a short while, the video of the selected help topic will play.

3 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Quick tips

Get quick help to configure your TV.

1 In the »HELP« menu, press »∨« to select »Quick Tips« and press »●« to confirm.
– »QUICK TIPS« menu will be displayed.

2 Press »∨« or »∧« to select the topic for which you want to view the quick tips and press »●« to confirm.
– Information on the selected topic will be displayed.

3 Shift the screen with »∨« or »∧«.

4 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Contact us

Get in contact with an Amazon Customer Representative.

Report us your problem so we can direct you to a service expert. We will make sure to get a phone number from you so that we can call you.

If you wish, you can find more support options on amazon.de/firetvsupport.

1 In the »HELP« menu, press »▼« to select »Contact Us« and press »●« to confirm.
– »CONTACT US« menu will be displayed.

2 Press »▼« or »▲« to select the topic about which you want to get support and press »●« to confirm.

3 To be called from your phone number registered in your Amazon account, select your number;

or

4 To be called from a different number, select »Other«, enter the desired phone number and press »▶❚❚« to select »OK«.

5 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Feedback

We would like to hear about your experience with the Fire TV.

1 In the »HELP« menu, press »▼« to select »Feedback« and press »●« to confirm.
– »Feedback« menu will be displayed.

2 Please send your feedback to firetv-feedback-de@amazon.de

3 Press »⮌« to return to the previous menu or press »⌂« to return to »Home« menu.

Problem	Possible cause	Solution
Screen is on (black screen), but there is no channel	Antenna cable	Is the antenna cable connected?
	No TV station programmed	Start the channel search
Poor picture contrast	Picture settings are not correct	Adjust the brightness, contrast or colour setting
	Problem at station	Test with a different station
Interference to picture and/or sound	Interference from other devices	Change the position of the device
Ghosting, reflection	Channel tuning	Automatic or manual channel setting
	Antenna	Have the antenna cable or system checked
No colour	Colour intensity at maximum	Turn up the colour
	TV standard setting (if setting option is available)	Select the correct colour standard
	Problem at station	Test with a different station
Picture but no sound	Volume set to minimum	Turn up the volume
Remote control does not work	No optical connection	Point the remote control at the television set
	Remote control batteries	Check the batteries, change if necessary
	Operating condition undefined	Switch off the TV by pressing the main power key (if any) or unplugging the mains plug, and leave it off for about 2 minutes.
Picture is dark in PC mode	Incorrect setting for picture resolution and picture frequency on the PC	Change the setting on the PC (for example, picture resolution 1280 x 768, picture frequency 60Hz).
Warnings about the connection problems on the display	Network Cable or wireless USB network device may be disconnected	Check network cable or wireless USB network device
	Modem does not have Internet connection or has problems	Make sure that your modem has Internet connection

Videos in video applications are lagging during playback in wireless connection	Internet connection speed is low.	Low Internet speed is a problem that is related with the speed of your subscription or a failure in the Internet infrastructure. Contact your service (ISP).
Videos in video applications are lagging during playback in cable connection	Internet connection speed is low.	Low Internet speed is a problem that is related with the speed of your subscription or a failure in the Internet infrastructure. Contact your service (ISP).

Explanation of the symbols which may be present on back side of the television set



Double insulation. Product does not require grounding.



Alternating current. The product works with the mains voltage.



Direct current. The set works only with AC/DC adapter.

Features described depend on the TV model. They are not available in every model.

ARC

With ARC (Audio Return Channel) the audio signal of the television program can be played back via a HDMI cable or an optical cable with a multi-channel amplifier.

Backlight

Manual setting for back lighting (only active if dynamic back lighting is switched to "OFF"). This setting also directly impacts power consumption.

Block Noise Reduction

This function can only be selected with digital reception sources and AV pre-sets. It reduces any interference from artefacts (pixel blocks) from digital programmes due to MPEG compression (such as from DVB-T receivers and lower transmission rates or DVD players). It reduces any interference from defects (pixel blocks) from digital programmes due to MPEG compression (such as from DVB-T receivers and lower transmission rates or DVD players).

Common Interface

Interface for DVB receiver. Scrambled channels can only be viewed with a CA module suitable for the encoding system and the corresponding smart card.

HDMI CEC

This feature utilizes CEC (Consumer Electronics Control) protocol.

CEC enables the external devices which are connected to the HDMI socket with a HDMI cable to be controlled by a remote control.

DiSEqC

DiSEqC (Digital Satellite Equipment Control) is a digital system for controlling complex satellite systems with motors or several LNBs.

DiSEqC is required when two or more satellite locations need to be controlled.

Dynamic Backlight

Here the device optimally adjusts the back lighting for the picture content by regulating the back lighting depending on the average picture brightness. If a picture has predominately dark areas, then the black level displayed is improved by downward adjustment of the back lighting (in this case the display of the dark areas is improved), and with predominantly bright picture material the back lighting is maximised in order to display these areas more brightly.

Domain name system

The domain name system (DNS) is one of the most important services on the Internet. Its main function is to convert an Internet address into the corresponding IP address.

DVB-C

DVB-C (Digital Video Broadcasting – Cable) is a variation of DVB which is used for the transmission of digital radio and television signals via a cable connection.

DVB-S/S2

DVB-S/S2 (Digital Video Broadcasting – Satellite) is for the broadcasting of DVB signals via satellite.

DVB-T/T2

DVB-T/T2 (Digital Video Broadcasting – Terrestrial) is a type of DVB used for the transmission of radio and television signals through terrestrial channels.

Dynamic Contrast

This function dynamically and optimally adjusts the contrast for the respective picture content by analyzing images and then altering this depending on a change in contrast. This increase in the contrast however may also reduce the visible brightness levels in the picture.

Film mode

Detects and processes feature films automatically for all channel sources. This means that you get the optimum picture at all times.

This functions in the mode 480i, 576i and 1080i in TV playback and for other channel sources. If the "Film Mode" is switched on for programs without a feature film signal, minor problems such as picture freeze, defective subtitles or fine lines in the picture could occur.

Firmware version

Firmware is the term used for software that is embedded in a programmed chip (micro-controller). It is mostly stored in a flash memory, an EPROM or an EEPROM. The firmware contains functions for controlling the device.

Gamma

This setting establishes which brightness value should be displayed for which digital transmission value. Most recordings are transmitted with a gamma value of 2.2 (all Windows PCs and newer PCs with a MAC operating system work with this; older MAC systems and transmissions without color profile mostly operate with a gamma value of 1.8).

Gateway

A gateway allows networks, which may be based on completely different protocols, to communicate with each other. In the home area, a combination of the router and the DSL modem are used as an Internet gateway.

Hardware version

Hardware in this context means the device. This includes all components such as processor, display, etc.

HbbTV

HbbTV is the interactive successor of video text, which has content with a modern design, high resolution images and video sequences as well as media libraries.

For full functionality of HbbTV, the TV must be connected to the Internet.

HD/Full HD/UHD

High Definition Television is a general term for a range of television standards which feature increased vertical, horizontal or temporal resolution.

Full HD is a feature of an HDTV capable device which is able to output or record an HD resolution of 1920 x 1080 pixels.

The HD resolution for UHD is 3840 x 2160.

IP Address

An IP address (Internet protocol address) is used to uniquely identify the address of computers and other devices in an IP network. The most well-known network in which IP addresses are used is the Internet. Here, for example, web servers are addressed using the IP address. The IP address can be provided automatically by the router (automatic address) or can be entered manually in the router (static address). If it is entered manually, this address must be entered in the TV set.

JPEG

JPEG stands for Joint Picture Experts Group. This is a process for compressing picture data.

LIVE SHARE

With Live Share all content between Widi™/ Miracast™ certified mobile devices (smart phone or tablet) and PC and the television can be streamed via WiFi. HD contents can also be streamed without any difficulty on the television and naturally TV contents can also be transferred to mobile devices/PC.

LNB

Low Noise Block is located in the center of a parabolic antennae.

E.g. It implements the satellite frequencies that are between 10.7–11.75 or 11.8–12.75 GHz in 950 to 2150 MHz and ensures cable transmission with coaxial cables (and with fiber-optic cables recently) and reception with satellite receivers.

MP3

Compressed audio file format.

NAS (network attached storage)

The abbreviation NAS is used for devices that provide data from a hard drive to a network.

Network mask

The network mask or net mask, sometimes also referred to as a subnet mask, is a bit mask that separates an IP address into a network part and a device/host part. It is used in IP networks to make routing decisions.

Network name (SSID)

The network name (SSID – service set identifier) is the term used for the identification of a wireless network that is based on IEEE 802.11. Every wireless LAN has a configurable SSID, which uniquely identifies the wireless network. The character sequence of the network name can be up to 64 characters in length. It is configured in the base station (access point) of a wireless LAN and set on all clients which access it.

Noise Reduction

Reduces the noise coming from the signal. It should therefore be used minimally provided that a good picture material is present.

Perfect Clear

Improves the general image by means of a gentle blue hue (giving the appearance of greater sharpness) and improves the black level by setting this entirely to black from a specific level of greyness. This reduces the visible grey values in the dark areas of the picture.

Special IP Address

Private IP addresses belong to the particular IP address ranges that are not routed in the Internet. They can be used by anybody for private networks, such as LANs. Many computer networks require complete connectivity at IP level, but only limited access to the Internet. If such a computer network has a private IP address range, it forms an Intranet which cannot be accessed from the Internet as the Internet routers ignore private address ranges. A gateway or router that is placed in this private network and which has a public address in the Internet as well as a private IP address makes the connection to the Internet. This can be performed by a proxy or using NAT/PAT/ masquerading. As the address range used can only be viewed within the private network, the same range can also be used in other private networks. The unique nature of an IP address required by the Internet protocol is ensured by this restricted visibility.

Proxy server

A proxy or proxy server is a service program for computer networks that administers data transfer. It makes data transfer faster, and can also increase security by implementing access control mechanisms. The transfer is conducted between computers or programs in computer networks. On the server side, the proxy acts as a client; on the client side, it acts as a server.

Router

A router is a network component that links several computer networks. Router analyzes (on the basis of layer 3 information) the network packages of a protocol it receives and forwards it to the intended destination network. Conventional routers work on layer 3 of the application layer. A router has an interface for every network connected to it. When data is received, the router determines the correct path to the destination and thereby the suitable interface via which the data can be transferred. For this it uses a locally available routing table that specifies via which router connection a particular network can be reached.

SCR (Single Channel Router)

Single Cable System EN 50494.

If your antennae system is equipped with a single cable system multi switch, the televisions which are connected to this antennae system can receive television programs independently from one another.

Security (WEP/WPA)

WEP (wired equivalent privacy) is the standard encryption algorithm for WLAN. It controls both access to the network as well as ensuring the confidentiality and integrity of data. This procedure is considered insecure nowadays. For this reason, more recent WLAN installations should use the more secure WPA encryption.

Symbol rate

Amount of transmitted symbols per time unit in digital transmission technology.

Transponder

Gathering of various transmitters on a frequency.

Vibrant Colour

Increases the color contrast and the contrast adjustment. This setting is mostly too strong for use with normal pictures and should only be used where necessary (low or off) otherwise nuances in the image can be suppressed.

Wi-Fi

Wireless transmission of Internet and Intranet parcels.

WMA

These formats enable recording and playback of audio files which sound as good as a CD, yet only occupy a fraction of the storage space.

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