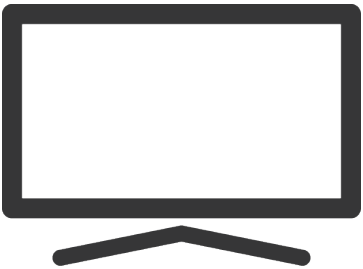
Dawlance

Television

User Manual



4K HDR QLED TV

CE

RECYCLED &
RECYCLABLE PAPER

Please read this manual first!

Dear Customer,

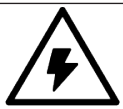
Thank you for choosing this product. We wish your product, produced with high quality and technology, to offer you the best efficiency. Therefore, carefully read this entire manual and other supplied documentation before using the product and keep it for future reference. If you hand over the appliance to someone else, give them the user manual as well. Follow the instructions by paying attention to all information and warnings specified in the user manual.

Keep in mind that this user guide may apply to several product models.

If the user manual contains more than one model, the differences between the models are clearly specified in the manual.

Symbols and their explanation

There are below symbols in user manual and on the product:

	Risk of death or injury.
	Useful tips on important information or use.
	Electric shock warning.
	Read the user manual.

Detailed instruction manual

For details on how to use this appliance, please scan the QR code using your mobile device or visit **www.dawlance.com.pk**

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1 Safety Instructions

This section includes the safety instructions that will help prevent personal injury or material damage risks.

Our company cannot be held responsible for the damages that might occur due to failure to observe these instructions.

- Always let the authorized service perform installation and repair works.
- Use only the original spare parts and accessories.
- Do not repair or replace any part of the product unless specified expressly in the user manual.
- Do not perform any modifications on the product.

1.1 Intended Use

- This appliance is designed for use in dry rooms.
- Use the product with the supplied stand or a suitable VESA bracket.
- The product is primarily intended for the playback of TV programs, streaming content and music/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.

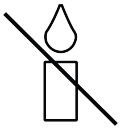
1.2 Electrical Safety

IMPORTANT SAFETY INSTRUCTIONS. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. Immediately followed by: Read all security warnings, instructions, illustrations and specifications provided with this appliance.

- The product shall not be plugged into the outlet during installation, maintenance, cleaning, repair, and transportation operations.
- Standby LED is off when the mains plug is disconnected. If the Standby LED is lit then it means that your product is connected to the mains.
- Do not dismantle the product. Security risks may arise and also the guarantee of the product can become void if the television is dismantled.
- The product can only be operated with the power cord or the AC/DC adapter supplied with the product.
- Do not operate the product with a damaged power cord/AC/DC adaptor (if supplied).
- If the plug on the product has an earthing contact, only insert the plug into a socket with an earthing contact.
- Only plug the product into the mains socket after you have connected the external devices and the antenna.
- If the power the cord is damaged, it shall be replaced by authorized service only to avoid any risk that may occur.
- Do not jam the power cord under and behind the product. Do not put a heavy object on the power cord.
- The power cord should not be bent, crushed, and come into contact with any heat source.
- Never use an extension cord or a multi socket to operate your appliance.
- The product shall not be supplied with an external switching device such as a timer or it shall not be connect it to a circuit that is regularly turned on and off by a device.
- The plug of the product shall be in an easily accessible place. If this is not possible, there should be a mechanism (fuse, switch, switch, etc.) on the electrical installation to which the product is connec-

ted, in compliance with the electrical regulations and separating all poles from the network.
- Do not touch the plug of the product with wet hands.
- Do not unplug the product by holding the cable, hold the plug to unplug the product.

1.3 Fire Safety



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 product.
- 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 sunlight, fire or the like.
- Only use batteries of the same type (brand, size, properties). Do not use used and new batteries together.
- Protect the product from moisture. Do not place any vessels filled with water (such as vases) on the product.

1.4 Transportation Safety

- Unplug the product before transportation.
- Disconnect antenna cable and other external devices connected to the product.
- Keep the product in its original packaging if it is available, or wrap it in bubble wrap or thick cardboard if the original packaging is not available.
- Take required precautions against falling and tipping of the product. Do not bump or drop the product while carrying it.

1.5 Installation Safety

- Do not install the product on an unstable surface. Otherwise, the TV may fall, causing serious injury and death.
- Ensure that the furniture you will place the product can safely support the TV set.
- Make sure that the edges of the product does not protrude beyond the dimensions of the furniture on which it is placed.
- Do not place the product on tall furniture that has the risk of tipping over such as cabinets, sideboards, or bookcases. If you have no other choice, fix the furniture and the TV to the wall to prevent them from tipping over.
- Do not place product on fabric or other materials located between the product and furniture.
- Do not place the product next to heating units or in direct sunlight.
- To ensure adequate ventilation, maintain clearance of at least 10 cm around the product.
- 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.
- Consider the above mentioned warnings whenever you change the location of the product.

1.6 Safety of Children, Vulnerable Persons and Pets

- Electrical appliance are dangerous for children and pets. Children and pets must not play with or climb on the product.
- Instruct children that there is danger associated with climbing on furniture when the TV set is to be reached.
- Cleaning and user maintenance should not be performed by children unless there is someone overseeing them.

- Keep the packaging materials out of the reach of children. There is a hazard of injury and suffocation.
- Before disposing of the product, cut the power cord and render it non-functional for children's safety.

1.7 Safety During Maintenance and Cleaning

WARNING: Unplug the product during installation, maintenance, cleaning and repairing procedures.

- Clean the cabinet of the product with a dry or a lightly dampened soft cloth.
- Do not use wet cloths and detergents (Glass Cleaning detergents, cologne, and all other cleaning chemicals).
- Clean the display of the product by wiping with a damp cloth. Do not use water or water with detergent.
- Do not use any detergents containing alcohol, spirit, ammonia, or abrasive agents while cleaning.

2 Environmental Instructions and General Information

2.1 Conformity with WEEE Regulation and Disposing of Waste Product

This product does not contain hazardous and prohibited substances specified in the “Regulations for Supervision of Waste Electrical and Electronic Equipment” published by Turkish Ministry of Environment and Urban Planning. Conforms 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 waste and other waste at the end of its life. Take it to a collection point for recycling electrical and electronic devices. Contact your local authority for the collection points in your region. Help preserve the nature and natural resources by recycling used products. Before disposing of the product, cut the power cord and render it non-functional for children's safety.

2.2 Information on Used Batteries

Do not dispose of batteries with the household waste. Used batteries must be returned to retail stores or public collection points. You can help to protect the environment in this way

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical substance 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.

2.3 Information on the Disposal of the Packaging

- The packaging of the product is manufactured from recyclable materials.
- Dispose of by sorting in accordance with waste regulations.
- Do not dispose of along with normal household waste.

2.4 Information on Power Saving

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

- Switch your TV set to stand-by if you will not use it for a while. In standby mode, the TV set uses a very little amount of energy (≤ 0.5 W).
- If you intend to not use the device for an extended period, unplug the power cord from the socket.
- If the device has a main switch, it will be enough to shut down the device via main switch. The device's energy consumption will reduce almost to Zero Watt.
- When you switch off or unplug the TV, the switch-on timer and the programmed recordings will not work.
- Select a location for storing the device where no direct sunlight falls on the screen. Thus, you can select a lower backlight and provide power saving.
- TV consumes less energy when brightness is reduced.

2.5 Information on PCB Conformity

- “Does not contain PCB (Polychlorinated Biphenyl)."

2.6 Information on Interface Requirements

- This product has been manufactured in compatibility with Telecommunication networks.

2.7 Information on Still Images

- Watching the same image for a long time on the screen may cause the still image to remain feebly on the background. Feeble image(s) on the background is/are originated from LCD/LED technology and does/do not require any action under guarantee. To avoid such cases and/or minimize 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 the images, which are not full screen, to constantly stay on the screen; if not streamed in full screen format by the broadcaster, you can convert the images 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.

2.8 Information on 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-core cable shall be used with the product.
- If the product cannot be recovered as a result of an electrostatic discharge, user intervention will be required.

2.9 EU Directives

This product complies with the 2014/53/EU, 2009/125/EC, 278/2009, 642/2009, 2017/1369/EU, 1062/2010, 2011/65/EU, 2019/2013/EU, 2019/2021/EU. EU directives:

To obtain a copy of declaration of compliance (DoC);

Please visit https://www.dawlance.com.pk/.

This appliance can be used observing the legal regulations in the European countries 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, TR

5150 -5350 MHz band can be used indoors only. (For Wi-Fi/Bluetooth integrated model or Wi-Fi integrated model). This device can also be operated in the countries outside Europe.

2.10 Wireless LAN Module Specification

Frequency Range: Output power (Maximum)
2400 MHz - 2483.5 MHz: <20dBm

2.11 Wireless LAN Module Specification

Frequency Range: Output Power (Maximum)
5150 MHz - 5250 MHz: <23dBm
5250 MHz - 5350 MHz: <23dBm
5470 MHz - 5725 MHz: <23dBm

2.12 Bluetooth (*) Module Specification

Frequency Range: Output power (Maximum)
2400 MHz - 2483.5 MHz: <20dBm
(*) Optional, not available on all products.

2.13 Information on the Symbols Which May Be Present on the Back Cover of the Appliance

Double insulation symbol
Indicates that this product doesn't require grounded connection.

Alternating current symbol
Indicates that the product operates with the mains voltage.

Direct current symbol
Indicates that this product operates with the AC/DC adapter supplied with the appliance only

2.14 Information on Licenses

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Dolby
VISION·ATMOS

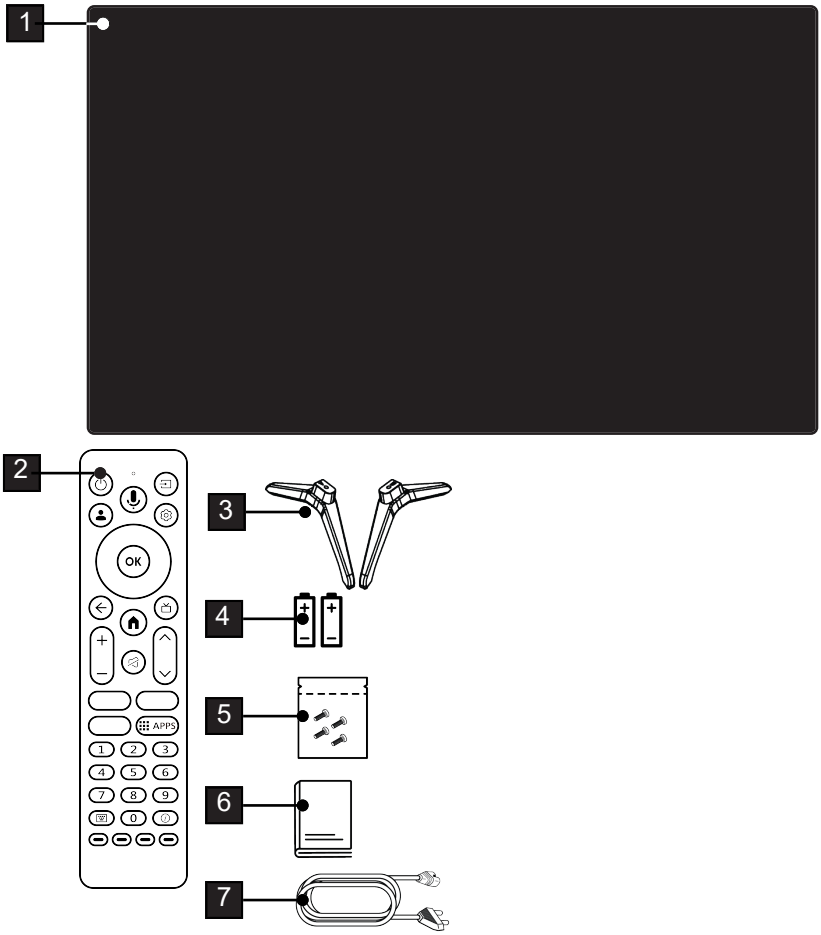
- Dolby, Dolby Vision, Dolby Atmos, and the double-D symbol are registered trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright © 2012–2026 Dolby Laboratories. All rights reserved.

2.15 Information on Software Updates

- The features, descriptions and pictures provided in the user manual may change with the update of TV software.

3 Your Product

3.1 Contents of the Package



1 Television
2 Remote control
3 Stand
4 Batteries for remote control
5 Screws and installation instructions for the stand
6 Quick instruction manual
7 Power cord

3.2 Installation or Hanging

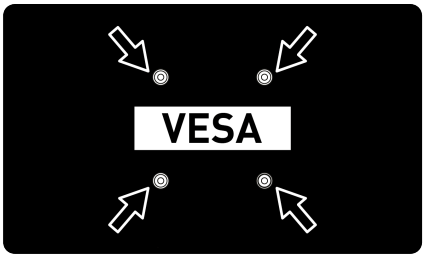
Select a location so that no direct sunlight falls on the screen.

3.2.1 Installation with Stand

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

3.2.2 Preparation for Installation with a VESA Installation Kit

Contact authorized dealer to purchase the installation kit.
You will need:
- A pair of scissors,
- A cross-tip screwdriver.

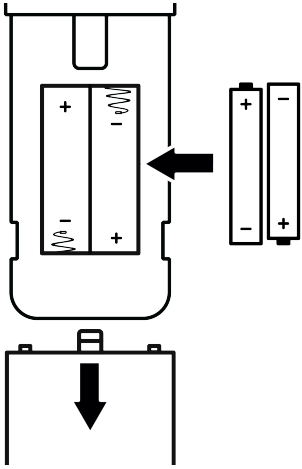


Follow the installation instructions for the VESA installation kit.

1. Place the TV in the film on a smooth surface with the screen facing down.
2. Cut open the film on the back side using the scissors.
3. Connect the required cables to the connectors on the TV. Refer to the "Connecting the antenna and the power cord" 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 television and mount it according to its installation instructions.

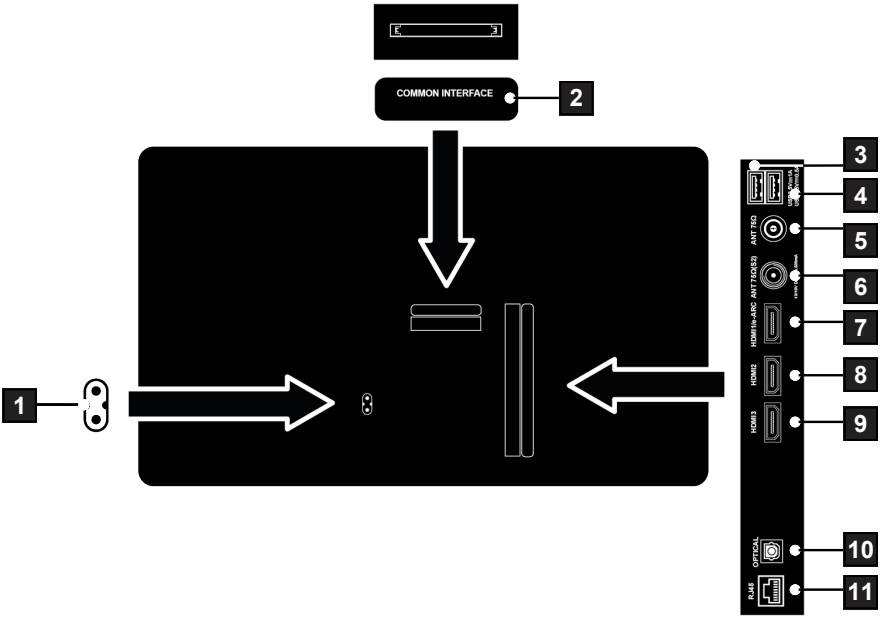
3.3 Inserting Batteries into the Remote Control

1. Open the battery compartment.
2. Insert batteries as marked on the bottom of the battery compartment (2 × Micro/R03/AAA).
3. Close the battery compartment.



Notes:
- 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 damage resulting from used batteries.
- Batteries, including those which contain no heavy metal, must not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Find out about the legal regulations which apply in your area.

3.4 Product Introduction



1 Power cable input.

2 CA module slot for receiving encrypted channels.

3 USB port for external data medium.

4 USB port for external data medium and keyboard.

5 Input for antenna cable (terrestrial antenna or cable connection).

6 Satellite antenna socket. Suitable for single-cable SCR system.

7 HDMI port for digital audio and image data.

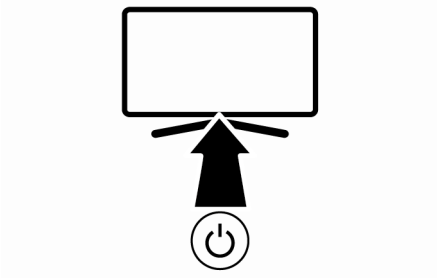
8 HDMI port for digital audio and image data.

9 HDMI port for digital audio and image data.

10 Optical audio output.

11 Network connection.

3.5 Keypad



3.5.1 Switching the Appliance On from the Standby Mode

1. Press the ⏻ to turn on the TV from the standby mode.

3.5.2 Switching and Restoring the Appliance to/from the Sleep Mode

1. The TV set switches to sleep mode when the ⏻ is pressed shortly while it is on.
2. The TV set switches on from the sleep mode when the ⏻ is pressed shortly while it is on the sleep mode.

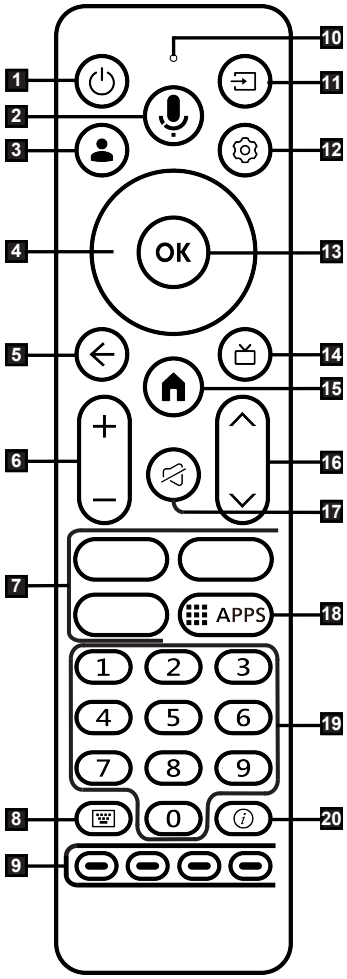
3.5.3 Switching the Appliance to the Standby Mode

1. Press the ⏻ for 5 seconds to switch the appliance to the standby mode

⇨ Turn off menu will be displayed.

2. Select OK and confirm by pressing OK.
3. The TV set switches to the standby mode.

3.6 Remote Control



1. Turns the TV on/off (stand-by).
2. Voice Control.
3. Opens the Select Account menu.
4. Up/down, right/left direction buttons.
5. Switches the menus one level back.
6. Adjusts the volume.
7. Application shortcuts.
8. Opens the screen keyboard.
9. Selects/activates various functions in menus.
10. Microphone
11. Selecting an input.
12. Opens menus of various functions.
13. Confirms/activates various functions.
14. Switches to the TV Mode, Opens the electronic TV Guide.
15. Opens the Home menu.
16. Selects the channels step by step.
17. Turns the sound on/off (Mute).
18. Opens Your Applications menu.
19. Directly selects the channels.
20. Displays information.

Download RemotEasy!

Control your TV from your mobile device with the RemotEasy app.

Scan the QR code below with your mobile device's camera:

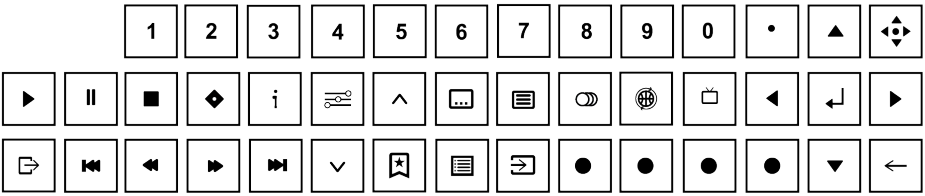
3.7 On-Screen Keyboard

1. Press on the remote control.

⇨ The on-screen keyboard involving various function buttons will be displayed.

⇨ On-screen keyboard is only enabled in the live tv mode.

The functions on the screen keyboard change depending on the model and software of the TV.



4 Settings

4.1 Initial Set-up and Setting the TV set

1. Connect the antenna and external device cables.
2. Insert the power plug into the socket.
3. Switch on the TV set with the on the remote control.

⇨ The remote control pairing menu will be displayed on the screen after a while.

4. In order to pair the Bluetooth remote control, press and ◀ simultaneously for 5 seconds.

⇨ The LED on the remote control starts to flash.

⇨ When remote control-TV pairing is completed, ✓ sign, and then **Welcome** menu will be displayed on the screen.

Important:

- If you have problems in pairing the Bluetooth remote control, you need to reset it. To do this, press and hold and ◀ on the remote control simultaneously for 5 seconds.

5. Select language.
6. Select country.

⇨ **Set up with the Google Home app** menu will be displayed.

Note:

- You can make the TV setup with two methods, this setup procedure has been described with **Set up on TV instead** option.

7. To continue with **Set up with the Google Home app**, scan the QR code with your mobile device and follow the instructions on the screen, or press ▼ and select **Set up on TV instead**.

⇨ **Select the TV Mode** menu will be displayed.

8. Select **Home** or **Store** and press the OK.

⇨ **Home mode:** This option is optimized to provide energy efficiency when the TV set is used in a household.

⇨ **Store mode:** This option is optimized to allow demo display on a store with fixed settings.

⇨ Wireless network connection menu will be displayed.

Note:

- In case you do not have Internet connection, select **Skip** at the bottom of Wireless network connection menu and press OK. Without a network connection, only the setup where only antenna broadcast and external device connections are active is carried out.

9. Select your wireless network with the ▲/▼ and press OK.

10. Enter the wireless network password with the screen keyboard, select ✓ and press the OK.

⇨ After the **Connecting to ..... network** message, the **Connected** message will be displayed.

⇨ **Sign in** menu will be displayed.

11. Enter the e-mail address with the screen keyboard.

⇨ Select → on the display and press OK

12. Enter the password for the account with the screen keyboard.

⇨ Select → on the display and press the OK.

13. If you are using two-step verification, follow the instructions displayed on your TV and on the screen of your phone.

⇨ **Terms of Service** will be displayed.

14. Select **Accept** option, and press the OK.

15. Select **Agree** option, and press the OK.

⇨ **Google Services** will be displayed.

16. Select **Agree** option, and press the OK.

17. To perform a search in all supported TV applications, select the **Allow** option and press OK , or select the **No** option and press OK.

⇨ **Voice Match** menu will be displayed.

18. To allow **Voice Match**, select **Agree** and press the OK or select **No, thanks** and press the OK.

⇨ **Personal results** menu will be displayed.

19. To allow **Personal results**, select **On** and press the OK or select **No, thanks** and press the OK.

⇨ **Select Home** menu will be displayed.

20. To add your TV to Google Home and control it with other nearby devices with Google Assistant feature, select **Home** and press OK.

21. To specify the location of TV, select a room and press OK.

22. Select the subscribed applications you want to install from the list of the recommended applications and select the **Confirm** option and press OK.

⇨ **Select Energy Mode** menu will be displayed.

23. Select the energy mode, select **Low**, **Optimized** or **Increased** and press OK.

⇨ **Network Privacy Policy** menu will be displayed.

24. Select **OK** option, and press the OK.

25. Select the antenna type.

⇨ The next procedure depends on the selected antenna type. Continue with **Searching for Satellite Channels**, **Searching for Cable Channels** or

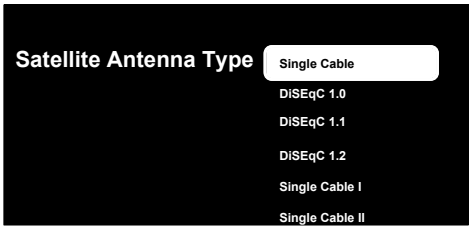
Searching for Terrestrial Channels as per the antenna type you have selected.

⇨ To continue without searching for channels, select **Next** and press OK.

Searching for Satellite Channels

26. Select **Satellite**.

⇨ **Satellite Antenna Type** menu will be displayed.

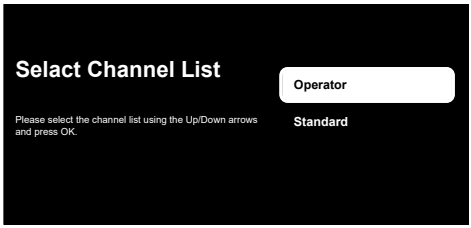


27. Select **Single Cable** and press the OK.

⇨ **Selact Channel List** menu will be displayed.

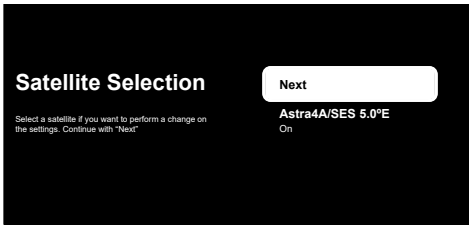
Note:

- As per the satellite system used, select **DiSEqC 1.0**,**DiSEqC 1.1**,**DiSEqC 1.2**,**Single Cable I**, **Single Cable II** or**Tone Burst**.



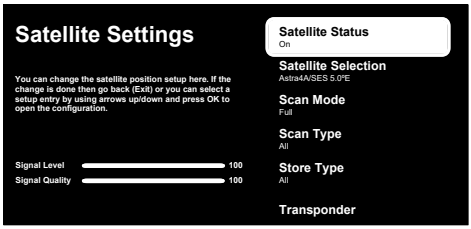
28. Select **Standard** or **Operator** and press the OK.

⇨ **Satellite Selection** menu will be displayed.



29. Select the satellite displayed on the list and press the OK.

⇨ **Satellite Settings** menu will be displayed.



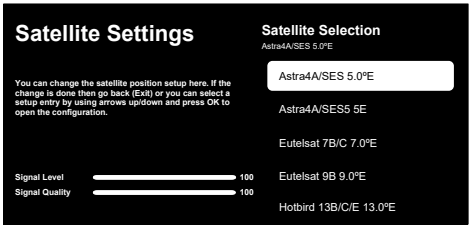
Note:

- When operator is selected, satellite settings are automatically received. In this case, it is not possible to make changes.

30. Select the **Satellite Status** option, and use the OK to select **On**.

31. Select **Satellite Selection** option, and press the OK.

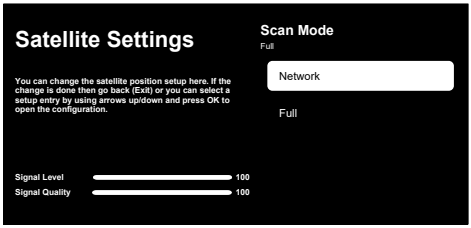
⇨ **Satellite Selection** menu will be displayed.



32. Select the satellite you want to scan for from the list and press the OK.

33. Select **Scan Mode** option, and press the OK.

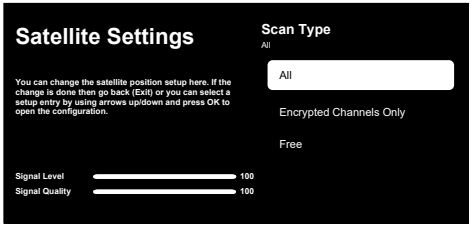
⇨ **Scan Mode** menu will be displayed.



34. Select **Network** or **Full** and press the OK.

35. Select **Scan Type** and press the OK.

⇨ **Scan Type** menu will be displayed.



36. Select **Scan Type**.

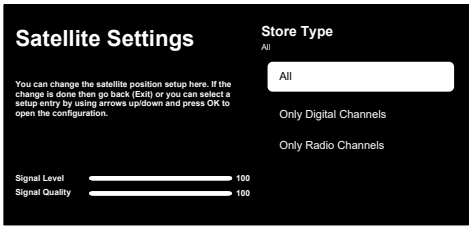
⇨ Select **Free** for unencrypted channels only;

⇨ Select **Encrypted Channels Only** for encrypted channels only;

⇨ Select **All** for all satellite channels.

37. Select **Store Type**.

⇨ **Store Type** menu will be displayed.



38. Select **Store Type**.

⇨ Select **Only Digital Channels** for TV channels only;

⇨ Select **Only Radio Channels** for radio channels only;

⇨ Select **All** for scanning both options.

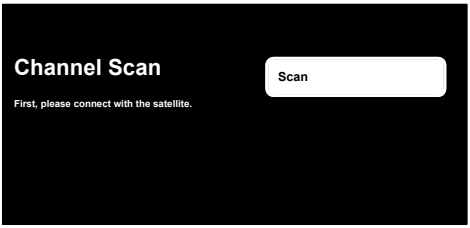
Important:

- If you encounter a significant shortage of channels or no signal, make sure that the cable connection, signal level, Diseqc A/B/C/D and LNB selections are made correctly.

39. Press the ← to return to the previous menu after completing the settings.

40. Select **Next** option and press the OK.

⇨ **Channel Scan** menu will be displayed.



41. Select **Scan** option, and press the OK.

⇨ **Scanning** menu will be displayed and the scan for TV stations shall start.

42. When scanning is completed, you can select another broadcast source and continue scanning channels, or complete the scan and continue by selecting **Next** and pressing OK.

⇨ The scan is complete when the **FINISH** message is displayed.

43. Press OK to complete the set-up.

⇨ **Smart TV Terms of Service** will be displayed.

44. Select **Agree** option, and press the OK.

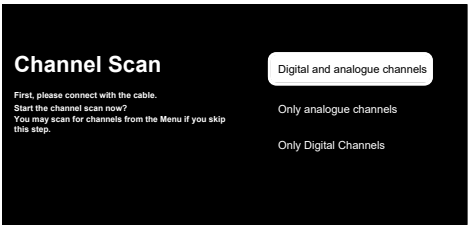
45. **Loading your applications** menu, and then **Get the most out of your Google TV** menu will be displayed.

46. To complete the setup, select **Google Photos as screensaver**, **Multiple profiles**, **Kids features** and/or select **Go to Google TV** and press OK.

Searching for Cable Channels

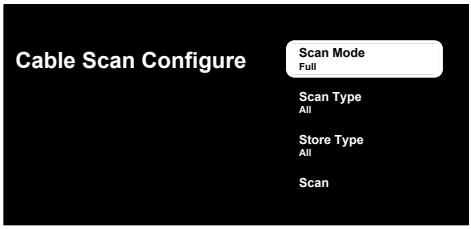
47. Select **Cable**.

⇨ **Channel Scan** menu will be displayed.



48. To start scanning for channels, make your selection and press the OK.

⇨ **Cable Scan Configure** menu will be displayed.



49. Select **Scan Mode**, **Scan Type** ve **Store Type**.

50. To start scanning for channels, select **Scan** and press OK.

⇨ **Scanning** menu will be displayed and the scan for TV stations shall start.

51. When scanning is completed, you can select another broadcast source and continue scanning channels, or complete the scan and continue by selecting **Next** and pressing OK.

⇨ The scan is complete when the **FINISH** message is displayed.

52. Press OK to complete the set-up.

⇨ **Smart TV Terms of Service** will be displayed.

53. Select **Agree** option, and press the OK.

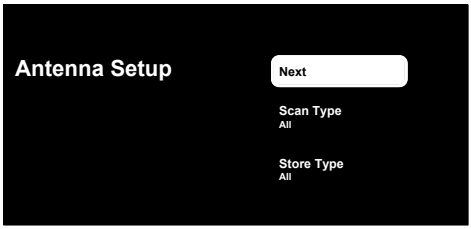
⇨ **Loading your applications** menu, and then **Get the most out of your Google TV** menu will be displayed.

54. To complete the setup, select **Google Photos as screensaver**, **Multiple profiles**, **Kids features** and/or select **Go to Google TV** and press OK.

Searching for Terrestrial Channels

55. Select **Antenna**.

⇨ **Antenna Setup** menu will be displayed.



56. Select **Scan Type** and **Store Type**.

57. Select **Next** and press the OK.

⇨ **Channel Scan** menu will be displayed.

58. To start scanning for channels, make your scanning selection and press OK.

⇨ **Scanning** menu will be displayed and the scan for TV stations shall start.

59. When scanning is completed, you can select another broadcast source and continue scanning channels, or complete the scan and continue by selecting **Next** and pressing OK.

⇨ The scan is complete when the **FINISH** message is displayed.

60. Press OK to complete the set-up.

⇨ **Smart TV Terms of Service** displayed.

61. Select **Agree** option, and press OK.

62. **Loading your applications** menu, and then **Get the most out of your Google TV** menu will be displayed.

63. To complete the setup, select **Google Photos as screensaver**, **Multiple profiles**, **Kids features** and/or select **Go to Google TV** and press OK.

5 LiveTV^x

Important:

- LiveTV^x application will be installed on TV when Country or Region is selected as **Germany**, **Spain**, **France** and **Italy** during the initial setup. LiveTV^x is not supported in other countries.
- LiveTV^x application is updated by Google Applications. The descriptions and pictures provided in its manual may change with the update of application.

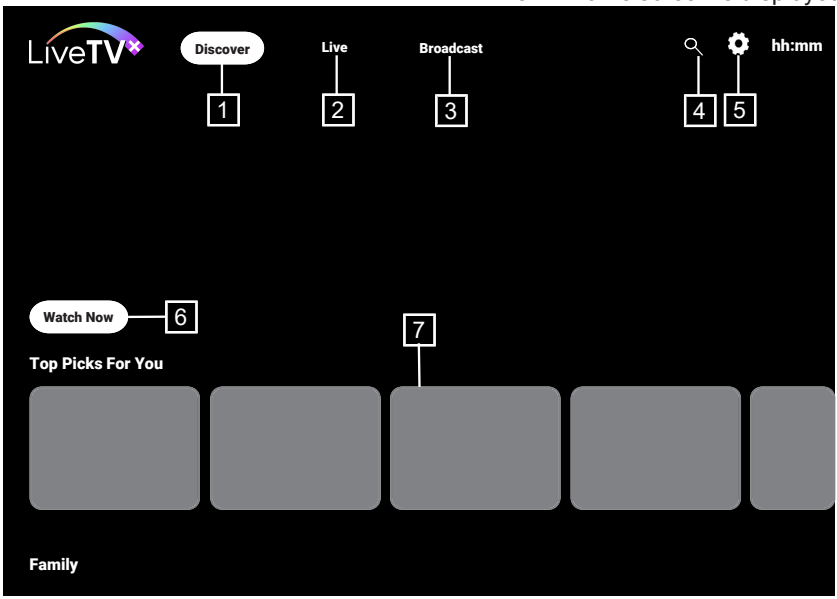
LiveTV^x is compliant with the advanced features of Google TV. It offers personalized recommendations based on your habits, providing you with a private experience. With a nonstop broadcast in HD quality and regularly updated content archive enabling you to easily access your favourite contents, LiveTV^x opens the doors to family entertainment.

- When LiveTV^x is installed, the features of **Turning on TV, Basic Functions**, **Advanced Functions** and **USB Record** work in a different way. This manual provides information on standard TV setup. For detailed imnformation on installation and using LiveTV^x, see the detailed user manual on the website.

5.1 Launching the LiveTV^x Application

1. From the Home menu, **Your apps** tab, select **LiveTV^x** application and press OK, or press on the remote.

⇨ **LiveTV^x** home screen is displayed.



5.2 LiveTV^x Home Screen

1. Access the contents created based on your choices.
2. Access the online LiveTV^x contents.
3. Access the antenna broadcasts.
4. Search
5. Settings
6. Watch now
7. Contents created based on your choices.

6 Basic Functions for the Operation of the TV set

Important:

- The information provided in this section is related to TV setup in **countries other than** Germany, Spain, France and Italy.
- If you made the setup for **Germany**, **Spain**, **France** or **Italy**, please see LiveTV [▶ 19] for these settings.

6.1 Switching on and off

1. Press the ⏻ to turn on the TV from the standby mode.
2. Press the ⏻ to switch the TV set to the standby mode.

6.2 Selecting the TV Mode

You can select TV mode in three different ways.

1. Press 📺 on the Home menu.
   ⇨ TV Mode is displayed on the last selected antenna source.
2. From the **Home** menu **Applications** tab, select the **TV** or **LiveTV**[x] press the OK.

Note:

- **LiveTV**[x] application will be installed when **Germany**, **Spain**, **France** or **Italy** is selected during the initial setup. In the setups for other countries, **TV** application is installed.

3. Press ⇥, select the antenna type and press OK.
   ⇨ TV Mode is displayed on the last selected antenna source.

6.3 Selecting the Signal Source and Antenna Type

You may perform the selection with three different methods.

1. Press the ⇥, select the signal source or antenna type and press the OK.
2. Press the ⚙ in the TV mode, confirm the **Source** option with the OK, select the signal source or antenna type and press the OK.
3. From **Home** menu, select ⇥ **Inputs** and press OK. Select the signal source or antenna type and press the OK.

6.4 Selecting Channels

You may perform the selection with three different methods.

1. Press the 1...0 to select channels directly.
2. Press the ⌃, ⌄ to select channels step by step.
3. Press the OK in the TV mode, select the channel from the **Channel List - All Channels** menu and press the OK.

6.5 Selecting Favourites List

1. Press OK in the TV mode.
   ⇨ **Channel List - All Channels** will be displayed.
2. Press ▬ (yellow).
   ⇨ Filter Channels menu will be displayed.
3. Select the favourites list and press OK.
   ⇨ The channels in the selected favourites list will be displayed.

6.6 Setting the Volume

1. Adjust the volume with the +, −.

6.7 Muting

1. Press 🔇.

6.8 Eco Mode Settings

Eco mode allows you to use the most efficient settings in terms of energy saving.

1. From the **Home** menü **Your apps** tab, select **Eco Mode** application and press the OK.
2. **Eco Mode** menu will be displayed.

6.8.1 Eco Mode

1. From **Eco Mode** menu, to enable **Eco Mode**, press OK.

Notes:

- When **Eco Mode** is enabled, **Picture Mode** will be automatically selected as **Energy Saving**.
- When **Picture Mode** is changed, **Eco Mode** will be closed.

6.8.2 Picture Mode

1. From the **Eco Mode** menu, select **Picture Mode** and press the OK.
2. Select the picture mode and press the OK.

6.8.3 Backlight

1. From the **Eco Mode** menu, select **Backlight** setting.
2. Use ◀/▶ to adjust **Backlight** intensity.

6.9 Electronic TV Guide

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

1. Three different methods can be used to start the electronic TV guide.

- Press the ⌨, select 📺 from the on-screen keyboard and press the OK.

or;

- In the TV mode, press the ⚙, and then the ▲; select **Programme Guide** and press the OK.

or;

- Press 📺 in the TV mode.
  – Electronic TV Guide will be 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 the ▲/▼.

Note:

- Information about the actual programme is displayed in the selected television channel.

3. Press the ▶ to select information on the next broadcast and press the ◀ to return to the information for the current broadcast.
4. Press the ▬ (red) to view the programmes of the previous day, press the ▬ (green) to view the programmes of the next day.
5. Press the ▬ (blue) to filter the programmes.
6. To display the program details, press the ▬ (yellow).
7. Press ← or 📺 to return to the broadcast.

7 USB Recording

7.1 Pausing Programs with Time Shift and Continuous Recording

You can pause any programme you are watching. For instance, if the phone rings when you are watching a movie, you can pause the movie and resume it after the call without missing anything. The image of the last scene is stopped and recorded to the external data medium for time shift. With the continuous recording feature, TV records the channel you are currently watching as much as the time shift

memory you create on external data media. Thus, you can rewind on the channel you are watching.

Note:

- Use an external USB disk drive for an uninterrupted Permanent Time Shift.
- Time shift functions are on the on-screen keyboard. To open the on-screen keyboard, press the ⌨, and then select the relevant function.

1. During the broadcast, select the ⏸ from the on-screen keyboard and press the OK.

⇨ Television picture is paused and delay time is displayed.

2. To continue the broadcast, select the ▶ from the on-screen keyboard and press the OK.

⇨ The system continues recording the broadcast while you are watching it.

Notes:

- The following functions can be used in the Time Shift mode.
- For fast rewind, desired speed; press the ◀, or select the ◀◀ from the on-screen keyboard and press the OK;
- For fast forward, desired speed; press the ▶, or select the ▶▶ from the on-screen keyboard and press the OK;
- For pausing, select the ⏸ from the on-screen keyboard and press the OK.

3. To stop the time shift, select the ■ from the screen keyboard and press the OK.

7.2 Recording Programmes

You can record a TV channel. Record data are stored on external data media and these recordings are managed by the TV set.

A memory of 44 MB up to 110 MB is required for a 1 minute record.

Notes:

- Recordings can only performed on USB memory sticks and hard drives with FAT and FAT32 format.
- If the product cannot be recovered from the data playing/sharing/recording mode due to electrostatic discharge, user intervention will be required.
- If you remove the external data media during recording, then the recording is cancelled automatically and no data is recorded onto the external data media.

1. Select the channel with the 1...0 to start recording.

2. Press the ⌨ on the remote controller, select ● from the on-screen keyboard and press the OK.

⇨ Recording information will be displayed: Recording symbol, channel name, programme and recording time.

⇨ These information will disappear after a short while, the **REC** symbol and the recording time appear in the lower left corner of the screen.

8 Google TV™

8.1 Applications

You can find your Favourite Applications under the Your Applications tab under the Home Screen menu.

You can download apps and games from Google Apps to TV just like with smart phones and tablets.

You can only download apps and games which are compatible with your TV. These may differ from apps and games for smart phones/tablets.

To download applications from Google Apps, television must be connected to the Internet and must be logged in with a Google account

You can control your TV using a mobile remote control application provided by the manufacturer. This feature requires a companion TV app, which is available on the Play Store and runs in the background. If you prefer not to use this feature, you can disable it from the TV's settings menu.

8.1.1 Downloading Applications from Google Apps

1. Press .
2. In the **Home Screen** menu, select **Applications** tab.
   ⇨ Home screen of the applications will be displayed.
3. With ◀/▶/▲/▼, search and select any application from **App categories**, **Apps from my other devices**, **Recommended for you**, **Listen to the music you love**, **Movies + TV**, **Featured**, **Entertainments apps** or search bar and press OK.
   ⇨ My application explanation screen will be displayed.
4. Select **Load** and press the OK.
   ⇨ The application will be downloaded and installed on your TV.

Note:

- Depending on the size of the application and your internet speed, loading time of the application may vary.

8.1.2 Starting an Installed Application

1. Press .
2. In the **Home Screen** menu, select **Your apps** tab.
3. From the applications tab, select the application you want to start with the ◀/▶ and press the OK.
   ⇨ Main screen of the app will be displayed.
4. Press the to end the application.

8.1.3 Sorting the Applications on Home Menu

Sort apps in applications tab of Home menu according to your personal preference.

1. Press .
2. In the **Home Screen** menu, select **Your apps** tab.
3. Select the application you want to replace and press and hold the OK for 3 seconds.
   ⇨ Application menu will be displayed.
4. Select **Move** option, and press the OK.
5. Move the channel to its new position with the and press the OK .

Note:

- Repeat steps 2 to 4 to sort other applications.

6. Press or to return to the home screen menu.

9 Google Cast™

Your TV has built-in Google Cast feature. You can instantly switch from your phone, tablet or laptop to TV. With the built-in Google Cast feature, you can cast all your favourite movies, TV shows, applications, games and more directly to your TV.

Google Cast runs on Android and iOS. Your mobile device or computer must be connected to the same Wi-Fi home network as your TV.

For more information; visit **www.support.google.com/googletv**.

9.1 Using Google Cast on Android or iOS Mobile Device

You may cast photos, videos or games using an application with the Google Cast feature or from an iOS mobile device to your TV.

Notes:

- Google TV and your mobile device should have the latest version of Google Cast application installed.
- Google Cast function works on Android 2.3 and above for Android devices and on iOS versions 7.0 and above for Apple iOS devices.
- Broadcasting from Google Chrome browser is not supported on mobile devices.
- To get detailed information on the integrated Google Cast feature, refer to the relevant section of the detailed user manual of the TV.

1. The TV and the mobile device shall be connected to the same network.
2. Start the application featuring Google Cast from the mobile device.
3. Press on the application screen.

4. Select TV from the list to start playback.

   ⇨ The content starts to be played on the TV screen.

10 Additional Information

Default Satellite	21
LNB Power Supply	13/18 V, 14/19 V*, maximum 500 mA
LNB switching signal	0/22 kHz 650 mV +/- 250 mV Vpp
DiSEqC	1.0 operation, 1.1 operation, 1.2 operation
Digital Stream Reception Ranges	
Satellite (DVB-S)	
Ku Band	10,700 MHz… 12,750 MHz
Modulation	DVBS QPSK, DVBS2 QPSK, 8 PSK
IF Band	950 MHz… 2150 MHz
Signal Level	-25 dBm… -65 dBM
Cable (DVB-C)	
General Band	110 MHz… 862 MHz
Modulation	16 QAM, 32 QAM, 64 QAM, 128 QAM, 256 QAM
Symbol Rate	4.0 Msym/s… 7.2 Msym/s
Terrestrial (DVB-T)	
UHF/VHF-Band	Bandwidth 7 MHz and 8 MHz
FFT Size	2 k, 8 k
Modulation	16 QAM, 64 QAM, QPSK
Protection Interval	1/4, 1/8, 1/16, 1/32
Terrestrial (DVB-T2)*	
UHF/VHF-Band	Bandwidth 7 MHz and 8 MHz
FFT Size	1 k, 2 k, 8 k, 16 k, 32 k
Modulation	16 QAM, 64 QAM, 256 QAM, QPSK
Protection Interval	1/4, 19/256, 1/8, 19/128, 1/16, 1/32, 1/128
Channel Memory	
Satellite (DVB-S)	6000
Cable (DVB-C)	1000
Terrestrial (DVB-T)	1000
Analogue	99
Supported Media Formats	
Picture	jpg/jpe, bmp, png
Music	m4a, aac
Video	mov, xvid, mpg, mpe, vob, dat, trp, ts, avi, mp4, mkv
(*) Optional, not available on all products. The right of making technical changes and errors is reserved.	

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