

powered by WebOS Hub

Operating instructions

For all alphatronics TV sets with webOS Hub operating system (2nd Generation)



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1. INTRODUCTION

Thank you for choosing an alphatronics TV set!

We are pleased about your trust. Our products have been specially developed for the requirements of the mobile world and stand for reliable quality that you can rely on.

This user manual is designed to help you use and operate your product. We therefore recommend that you read the instructions carefully.

Keep the manual for the entire service life of the product and pass it on to subsequent users or owners.

Please check the package contents for completeness and make sure that no defective or damaged parts are included.

2. OUR QUALITY PROMISE

Our ultimate goal is to focus on quality and create optimal conditions for the use of our devices in the vehicle, true to our motto 'Greatness in detail'.

To achieve this goal, we place particular emphasis on the following parameters:

Made in Germany – Our TV sets are assembled, tested and packaged with the utmost care in Nuremberg (Bavaria).

25 years of experience - In addition to our innovative strength, our many years of experience in the mobile world are a decisive guide in the development and improvement of our TV sets. To reflect our pride in this experience in our products, they have proudly borne the new logo 'German Quality - Since 1999' since 2024.

Focus on safety – Safety aspects such as voltage stability, reverse polarity protection and special corrosion protection ensure that our devices have a long service life.

Thoroughly tested – In addition to the legal requirements, we regularly subject our TV sets to vibration and climate tests. This is to ensure flawless operation even under extreme conditions, such as at the North Cape at sub-zero temperatures or in the desert in extreme heat.

Pixel class 0 – Because an optimal image is important to us, each panel is checked for 100% pixel freedom and delivered. However, if a panel should ever show pixel defects, it will be replaced free of charge within the warranty period.

Well-thought-out technology – special wide-angle displays, CIS screen technology for better colour reproduction, external WIFI antennas and efficient power consumption are of particular importance in our development and make all the difference.

Collaboration – Through our close collaboration with LG Electronics Inc., we are proud to be a reference customer for webOS Hub in the camping sector, helping to develop it. This partnership allows us to further develop the system together and be at the forefront of implementing new features.

Sustainability – A new important point in our strategy is the aspect of sustainability. We not only want to contribute to this with particularly durable and energy-efficient products, but also in the area of packaging and accessories. To this end, we are gradually converting our packaging materials to sustainable or easily disposable solutions.

3. NEW OPERATING SYSTEM WEBOS HUB

In this TV generation, we are using the latest version of the licensed webOS Hub operating system. This enables us to further develop our existing technology and functions in terms of intuitive usability. This combines an operating system that is familiar and appreciated by many from the home sector with the requirements of mobile applications. An additional advantage of the webOS Hub operating system is the continuous further development and the constant addition of further functions via OTA updates.

The new generation of the webOS Hub operating system, identified by the abbreviation (DWS, DW or W), offers a range of new functions, such as PVR recording, timeshift, optical sound output and the integration of Apple AirPlay 2.

Thanks to our licences with leading streaming platforms such as Netflix, Amazon Prime, YouTube, Disney+ and Apple TV, we can ensure that you have smooth and direct access to your films and series on the go. It is important to us that you can always enjoy a first-class cinema experience with our TV sets, no matter where you are.

4. INTENDED USE

This TV set is intended exclusively for the reception and playback of picture and sound signals. For this purpose, the TV set has a built-in triple tuner as well as a WIFI and Bluetooth* interface for playing media content from installed apps or the Internet.

The TV set must not be operated in rooms with high humidity (e.g. bathroom or sauna). If the TV set is used outdoors, ensure that it is protected from moisture (rain, dripping and splashing water). Moisture can lead to leakage currents in the TV set. This can lead to a risk of contact with voltage or fire.

If you have moved the TV set from a cold to a warm environment, condensation may occur. Leave the TV set switched off for approx, one hour.

The guarantee is only granted for use in the specified authorised environment!

5. GENERAL SAFETY INSTRUCTIONS

For your own safety and to prevent unnecessary damage to your TV set, please read and observe the following safety instructions:

5.1 General information



- This product is intended for private, non-commercial use!
- Like all electronic products, this product should not be used by children!
- This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and / or knowledge. Unless they are supervised by a person responsible for their safety or have received instructions from you on how to use the TV set!
- In any of the following cases, unplug the appliance immediately and contact your customer service centre or the service hotline:
 - If the TV set has been subjected to an extremely strong shock!
 - If the TV set has been damaged or if foreign objects have got into the TV set!
 - If smoke or unusual odours emanate from the TV set!
- Do not disassemble the product into its individual parts. The TV set does not contain any user-serviceable components. Improper assembly can lead to electric shocks or malfunctions!
- Never open the TV set! Any attempt at repair by unqualified persons can be dangerous!
- Do not make any changes to the product, as this will invalidate any warranty claims!
- Do not place any objects filled with liquid or naked flames (fire) on the TV set!

5.2 Notes on transport



Only touch the TV set by the edges of the housing! The display is made of glass or plastic and can break or be damaged if handled improperly. Damage caused by external influences is not covered by the guarantee!

- Avoid touching the screen or pressing on the screen or frame with your fingers for long periods of time. This can lead to temporary distortion effects or damage to the screen.
- Do not apply strong pressure to the device display with your hand or a pointed object such as a nail, pencil or biros.

• It is recommended that the TV set is moved or transported in its original box or packaging (if it has not been permanently installed).

5.3 Notes on installation



/!\ Important safety instructions!

The ventilation slots on the back of the TV set must always remain unobstructed. Please do not place any foreign objects such as newspapers, blankets or other textiles on or over the TV set. There should be at least 2 cm of free space for air circulation on both sides and above the TV set.

If you place or mount the TV set in a cabinet or shelf, make sure that sufficient air circulation is also possible there. As with any electronic device, our product also requires air for cooling during operation. Obstruction of the air circulation can lead to fires or an automatic switch-off (protective switch-off) of the TV set.

- Protect the TV set from dusty environments!
- If the TV set is mounted on the wall, it must not be suspended from the power and signal cables on the back of the TV set. Otherwise there is a risk of fire or electric shock!
- Make sure that children do not hang on to the TV set or climb up it. Otherwise, the TV set may fall over and cause serious injury!
- If you mount the TV set on the wall, attach a VESA wall bracket (optionally available) to the back of the TV set! If you want to mount the TV set with a wall bracket, attach it carefully to prevent it from falling down!
- Do not place the TV set on unstable shelves or inclined surfaces! Also avoid locations that vibrate or on which the product does not have a secure hold! Otherwise, the TV set may fall down or fall over, causing injury or damage to the TV set!
- The TV set should not protrude forwards, especially when placed in or on furniture!
- Do not touch the ventilation openings when the TV set is running for a long time, as they could become hot!

5.4 Notes on the power supply

/ Important safety instructions!

Incorrect voltages can damage the TV set! This TV set may only be connected to a power supply network with the voltage specified on the rating plate using the correct 12V/24V device connection cable!

Always lay the power cable in such a way that it cannot be damaged! The power cable must not be kinked, laid over sharp edges, walked on or exposed to chemicals! A power cable with damaged insulation can lead to electric shocks and is a fire hazard!

Additional information - External 230V power supply unit (optional)

- When using the TV set in conjunction with a 230V power supply unit, ensure that it is always easily accessible. So that it can be quickly removed from the socket in an emergency!
- Do not touch the mains plug with wet hands! If the contact pins are wet or dusty, dry the mains plug completely or remove any dust from it. Moisture increases the risk of fatal electric shock!
- The power supply unit must be fully plugged into the socket! There is a risk of fire if the power supply unit is not firmly plugged into the socket!
- Do not touch the end of the mains cable with a conductive object (e.g. a fork) while the mains cable is connected to the socket!
- Do not allow metal objects such as coins, hairpins, cutlery or wire or flammable objects such as paper or matches to get into the TV set or power supply unit! Pay particular attention to children. There is a risk of electric shock, fire or injury! If an object gets into the TV set, unplug the power cable and contact customer service!
- The power supply unit must not come into contact with hot objects such as a radiator! In addition, do not place any heavy objects or the TV set itself on the power cable! Otherwise there is a risk of fire and electric shock!
- Do not connect too many electrical appliances to a single socket! Otherwise, overheating can lead to fires!

Information- GS certified power supply units

All power supply units sold or supplied by us have GS certification from an external testing organisation (e.g. TÜV Rheinland, Intertek or SGS) as an additional safety feature. This is intended to emphasise our own standards of quality and safety over and above the CE approval.

Attention! Laser class 1

The remote control has an infrared diode of laser class 1. Do not look at it with optical devices to avoid eye injuries!

- There should be no objects between the remote control and the IR sensor.
- The signal from the remote control can be disturbed by sunlight or other strong light.

/ Important safety instructions!

- Always store batteries in a childproof place! There is a risk of swallowing!
- Never attempt to recharge alkaline batteries!
- Do not short-circuit hatteries or throw them into a fire!
- Always replace both batteries at the same time! Do not mix old and new batteries or batteries of different types!
- · Battery acid leaking from a battery can cause skin irritation! In the event of skin contact, rinse with plenty of water. If the liquid gets into the eyes, rinse thoroughly with water, do not rub and consult a doctor immediately.

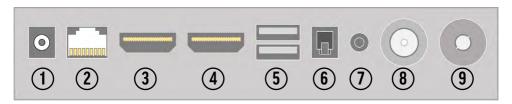
6. SCOPE OF DELIVERY

- TV set
- Remote control (Normal or Magic remote control depending on model)
- 12V connection cable with cigarette lighter
- Mounting screws & other accessories
- Operating instructions

Please note! Please note that additional accessories may be included in the scope of delivery depending on the dealer or sales area. The description of the scope of delivery listed here always refers to the standard retail version.

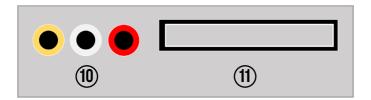
7. PRODUCT IN DETAIL

7.1 Connection overview



- 1 Power connection (input voltage: 10.5 30 V DC)
- (2) RJ45 socket (LAN connection)
- (3) HDMI™ [Port 2] with CEC and ARC/eARC support
- (4) HDMI™ [Port 1] with CEC support
- (5) 2x USB 2.0 connection

- (6) SPIDF / Toslink connection (digital sound output)
- (7) 3.5 mm jack connection (headphones)
- (8) F-socket (SAT connection)
- (9) IEC-socket (aerial / cable connection)



- (10) Cinch sockets (AV input)
- (11) CI+ slot (additional cards and module required!)

● Information - HDMI™ ARC and HDMI™ CEC

ARC - ARC (Audio Return Channel) is a digital channel that televisions use to send audio data to a soundbar or AV receiver via an HDMI™ cable. It does not matter whether the audio signal comes from the built-in TV tuner, a connected streaming box or the games console.

CEC - Stands for Consumer Electronics Control and enables both the control of several devices connected via HDMI™ with just one remote control and the coupling of certain functions (e.g. switching on all devices together). Depending on the manufacturer, this function may be known differently.

7.2 Remote controls

Depending on the model line or the SET purchased, one of the following remote controls is included. The Magic remote control can be retrofitted at any time for models supplied with the normal version. Please contact your dealer or visit our spare parts shop at: www.alphatronics.de

7.2.1 Normal version



- **1. [POWER]** Switch on/off
- 2. **[TV]** Switch between TV and radio mode
- **3. [LENS]** Search function
- 4. [SUBTITLE] Activate the subtitles
- **5.** [open the settings
- **6.** [] Source selection
- **7. [Keypad]** Digits 0-9
- **8. [LIST]** Open the programme guide, channels, TV planner
- **9.** [•••] Opening further functions (actions)
- **10.** [49] Volume +/-
- **11.** [**III**] Programme +/-
- **12. [AD]** Activate / deactivate the audio description
- **13. [GUIDE]** Opening the programme guide
- 14. [3] Mute
- 15. [PLAY] Start playback
- 16. [a] Open the Home menu
- 17. [PAUSE] Pause playback
- 18. [BACK] Back to the last level
- 19. [EXIT] Close menu / window
- 20. [Navigation button] + [ENTER] Select and confirm
- **21. [TEXT]** Opening the teletext
- **22. [T. OPT]** Further teletext options
- **23.** [MOVIES] Open the movie library
- **24. [STOP]** Stopping playback
- 25. [NETFLIX] + [PRIME VIDEO] Quick access buttons
- **26. [COLOUR BUTTONS]** Advanced settings / HbbTV
- **27. [REC]** Start a recording (PVR)

1 Information - Audio description

Audio description is a function that enables blind and visually impaired viewers to better understand video content. With audio description, a narrator describes what can be seen on the screen. This includes important information about the plot, the characters or the locations. Text overlays are also read aloud. Please note that the availability and scope of this function may depend on the programme in question.

7.2.2 Magic remote control



Integrated AirMouse and voice control

- **1. [POWER]** Switch on/off
- **2.** [📥] Switching an external set-top box on/off
- **3. [Keypad]** Digits 0-9
- **4. [-/LIST]** Open the programme guide, channel, TV planner
- **5.** [•••] Opening further functions (actions)
- **6.** [< >] Volume +/-
- 7. [3] Mute
- **8.** [] Control button for voice control
- **9.** [] Programme +/-
- **10.** [⋒] Open the Home menu
- 11. [@] Open the settings
- 12. [NAVIGATION BUTTONS] Navigation up/down/left/right
- **13. [SCROLL/ENTER]** Scroll and confirm the selection
- **14.** [] Back to the last level
- **15. [GUIDE]** Opening the programme guide
- **16.** [] Source selection
- 17. **[NETFLIX] + [PRIME VIDEO]** Quick access buttons
- **18. [COLOUR BUTTONS]** Advanced settings / HbbTV
- **19. [MOVIES]** ÖOpen the movie library
- 20. [PLAY] Start playback
- 21. [PAUSE] Pause playback

Connecting the remote control

The Magic remote control is a remote control with infrared and Bluetooth* interface, so unlike the normal remote control, it must be programmed on the TV set.

Option 1 - During the initial installation: As mentioned in step 1 of the initial installation (chapter 9.1), point the remote control with the batteries inserted at the TV set for about 15-20 seconds and press the scroll wheel [ENTER]. The remote control is then automatically registered on the TV set.

Variant 2 - Programming during operation: To programme the Magic Remote Control on your TV set, please point it at the TV set during operation and *press and hold the [GUIDE] button* for about 20 seconds. After a short time, a message will appear on the TV set confirming the registration. This procedure also works if the remote control was previously programmed on another TV set and you want to reconnect it or connect it in another way.

Activating the Air Mouse

The Magic remote control has an integrated Air Mouse function that displays a digital mouse pointer on the screen to make it easier to enter text or select certain elements.

Option 1: Point the remote control at the TV set and move it slightly from left to right (shake) until a mouse pointer appears.

Option 2: Press the *scroll wheel* on the remote control while pointing it at the TV set.

Note! The mouse pointer disappears automatically if no movement is made or another button on the remote control is pressed. If the mouse pointer does not react smoothly, you can reset or calibrate it by moving it to all four sides of the screen edge.

Voice control

The Magic remote control has an integrated microphone with which you can use voice control. To activate the microphone, press and hold the [\$\Pi\$] button. Then, while holding down the button, you can enter appropriate voice commands or keywords for your search, such as "What will the weather be like in Nuremberg today" or "Open the Friends series on Amazon Prime".

Tip! Make sure that the correct national language is set to avoid possible errors during speech recognition. The menu language must match the spoken language. To ensure the best possible voice recognition, please speak slowly and clearly at an appropriate volume and keep a distance of about 10 cm from the microphone of the Magic remote control.

7.2.3 Inserting the batteries

To insert the batteries, please open the battery cover on the back of the remote control. Carefully slide the battery compartment cover downwards. Insert the batteries according to the polarity marked in the battery compartment and close the battery compartment again.

Standard variant: 2x AAA | Micro | Type LR03

Magic remote control: 2x AA I Mignon I type LR06

Recommendation! We recommend removing the batteries if the product is not to be used for a longer period of time to prevent acid from leaking in the battery compartment.

8. MOUNTING THE TV SET

8.1 Wall mounting with VESA mount

If you wish to mount the TV set permanently in a vehicle or on a wall, please only use a suitable VESA mount. The TV set has standardised mounting points on the back in accordance with the following table:

Device size	VESA standard	Screws
19", 22", 24", 27"	100 x 100	M4
32" (devices with illuminated logo)	100 x 100	M4
32" (devices without illuminated logo)	100 x 200	M6
40"	200 x 200	M6

Always use 4 screws with the appropriate thread for mounting. When mounting, ensure that the TV set is securely attached to the wall bracket. The screw length should be selected depending on the type of wall mounting. Ensure that you use screws of the correct length. Do not overtighten the screws to avoid damaging the TV set!

8.2 Mounting the stand

As an alternative to mounting on the wall or in the vehicle, the TV set can also be mounted on a stand. As our TVs are predominantly permanently mounted in the vehicle, we have decided to remove the stand from the standard scope of delivery since model year 2024. If you still require the stand, you can order it via your dealer or our spare parts shop at www.alphatronics.de

When installing the stand, please ensure that the screws are not overtightened! Also make sure that there are no objects between the two components during assembly to avoid the risk of injury. You will need a Phillips screwdriver to fit the screws.

8.3 Illuminated front logo (SL-22 DW, SL-24 DW, SL-27 DW, SL-32 DW)



Our SL models have an illuminated logo in the alphatronics design wave below the display, which also contains the TV set's IR eye. The lighting can be set to three levels (high, medium, low) or completely deactivated. To change the lighting level, press the button on the right below the wave.

9. COMMISSIONING

Connecting the TV set to the power supply

To operate the TV set for the *first* time, connect it to the power supply in the vehicle. Use either the 12V connection cable supplied or a suitable alternative power cable. Make sure that the on/off switch directly on the TV set is set to [ON].

9.1 Installation wizard

When the TV set is connected to the mains and switched on for the first time, the installation wizard starts automatically and guides you through the individual steps of the initial installation. Each step is also explained on the screen.

Step 1 - Connecting the remote control



Programming the remote control

In this installation section, you must pair the supplied remote control with the TV. To do this, press the corresponding button, depending on the remote control model.





Normal version

Magic remote control

Step 2 - Selecting the language and country



Language selection





Selection of language and country

Use the arrow buttons on the remote control to select your desired language and then the country in which the TV set is to be operated.

Confirm your selection by pressing the [ENTER] button on the remote control. This selection can be adjusted later at any time in the settings under General > System > Language.

To proceed to the next installation step, select [Next] at the bottom centre of the screen and confirm your selection again by pressing [ENTER].

In our example here, English and United Kingdom were selected.

Please note! The selection of the country influences the available app offer. Due to licence restrictions, not all apps are available in every country!



Message of the audio instructions

Please note! In accordance with a new EU directive, all selection options are also played back acoustically during this step. Once you have selected your country, you have the option of deactivating this function. This is done to make setting up the TV set more accessible for people with visual impairments.

Step 3 - Setting up the television

In the next step of the installation, you can select how the TV set should be set up. You can choose between the options [Mobile Device] or [TV].

Use the navigation buttons on the remote control to select the desired method and confirm your selection with the [ENTER] button.

Recommendation! By default, we recommend that all customers select the [TV] setup option, as this is quicker and easier to use. Setup via smartphone is particularly suitable for customers who already own a TV with webOS and have an LG account and the ThinQ app.



Setup via the television





Setup via the mobile device

In this case, a QR code is displayed on the screen, which you must scan with your smartphone or tablet. This will allow you to download the LG "ThinQ" app or it will open automatically after scanning. Then follow the instructions in the app to continue the setup.

1 Information - Demo mode

The setting shown at the bottom left of the picture can be ignored and is intended exclusively for retail partners who display the TV set in the shop. It activates a special demo mode that is used exclusively to present the functions of the TV set.

Step 4 - WIFI connection

A LAN or WIFI connection is required to be able to use all the functions of the TV set, especially in connection with streaming. This can be configured in the next step. Alternatively, this step can also be skipped and configuration can be carried out afterwards. As soon as the following window opens, the TV set automatically searches for all available WIFI networks in the vicinity.



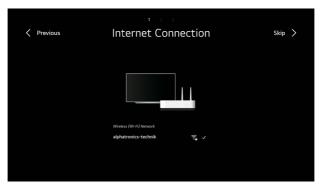
Network search

Select the desired network and confirm your selection by pressing the [ENTER] button.



Input mask for the password

The following input screen appears, in which the WIFI password can be entered. Then confirm the entry by pressing the [ENTER] button.



Successful connection establishment

Once the network connection has been successfully established, the following window is displayed before the system automatically proceeds to the next step.



Error in connection setup

If you have entered the password incorrectly or the signal strength is insufficient, the window shown above will be displayed. Enter the password again or check that the external WIFI antenna is properly attached to the TV and that the network has at least 2 bars of signal strength. You can check this using another device such as a smartphone or tablet.



Step 5 - Confirm the terms and conditions





General terms and conditions divided into groups

In order to use the TV set and its apps in connection with the Internet, you must accept the individual declarations. As our TV sets are based on LG's operating system (webOS Hub), the declarations are concluded with LG Electronics Inc.

Please note! If you reject these declarations, the TV set cannot be connected to the Internet or cannot be used to its full extent!

Please read these statements carefully and accept them by ticking the appropriate boxes: > Select all > More > Agree

Step 6 - Analysing the user environment



Analysing connected devices

This step is used to configure other connected peripheral devices (e.g. consoles, smart sticks, etc.). If no other devices have been connected, you can skip this step by clicking [Next].

If appropriately connected devices are recognised, the TV set automatically checks whether CEC control is possible. This means that these devices (if supported) can also be controlled using the remote control supplied.

In our case, no other devices have been connected. Click [Next] to go to the next step.

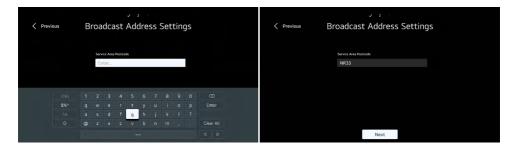


How is the TV set used? With or without a set-top box?

In the next selection point, you can now specify how the TV set is to be used, e.g. only as a TV (as in our example) or together with a set-top box.

Use the arrow buttons to select the desired setting and confirm your selection with the [ENTER] button.

Special feature: Postcode query (United Kingdom)

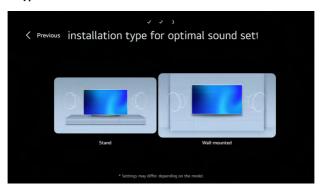


Enter Broadcast Address Settings

Please note! This query only appears if United Kingdom has been selected as the country, as this is a legal licence requirement.

Now enter the postcode of your place of residence and confirm your selection with the [ENTER] key and the Next selection field.

Setting the installation type



Mounting type

Now select how the TV set is mounted or positioned in the vehicle. The selection adapts the sound profile of the TV set to the corresponding installation type.

The selection is made using the navigation buttons and the [ENTER] button on the remote control.

Step 7 - Activating the automatic software update



Allow automatic updates

Professional tip! We recommend always activating this function. This means that the TV set automatically updates the software as soon as a new version is available. Software updates can add new functions and resolve potential problems.

9.2 Setting up the reception mode

Step 8 - Channel setting (satellite, aerial, cable)

In this section, you can select the desired reception types to be used later (multiple selection possible). In our example, the setup for aerial (DVB-T2) and satellite (DVB-S2) is shown.



Selecting the reception types (aerial, cable, satellite)

Select the desired reception types and then press [Next].

9.2.1 Search under Antenna (DVB-T2)



DVB-T2 - Search digital channels only

You can now select whether only digital or also analogue channels should be searched for in DVB-T2 reception mode.

1 Information

This menu item only appears if you have selected Aerial as the reception type. In most cases, it is sufficient to search for digital channels only. In Germany and most other European countries, analogue television has already been completely switched off.

9.2.2 Search under satellite (DVB-S2)

By entering the country beforehand, the system automatically suggests the most commonly used satellite for the corresponding country. If you would like to enter a different satellite here, please select [Other provider] and then confirm your selection with [Next].

Search under satellite (DVB-S2) with predefined channel list

Note: In the case shown here, the predefined channel list "Freesat" is used for the satellite "Astra 28.2°".



Selection of the "Freesat" channel list

Search under Satellite (DVB-S2) via [Other Operators]

● Information - Other Operators

The channels are pre-sorted according to ascending frequency of the selected satellite as well as country-unspecific (freely sortable - search duration: long).



Select the "Other Operators" option

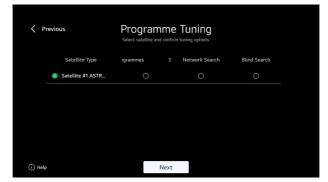




Selection options under "Other Operators"

If you have selected [Other Operators], the following screen will appear. Here too, the TV set automatically suggests the most commonly used satellite in the corresponding country. If you want to change this, you can do so via [Change Satellite setting]. For further information, please also refer to chapter 11.

Step 9 - Starting the search



Select which channels to search for

Before the search starts, the search run can be restricted:

Skip encrypted channels: Only free-to-air channels are searched for and displayed

Network search: Retrieve the saved or stored transponders

Image search: The TV set searches all receivable transponders / channels (longest search time)

Recommendation! We recommend that you do not select any of the three options so that the channel list contains all available channels.

The search can now be started via [Next].



Scan in DVB-S2

Please note! Depending on the reception modes, the settings and the corresponding signal strength and quality, the search may take up to 10 minutes.



Completion of the search in DVB-S2

As soon as the search has been completed, an overview of the channels found and the [Done] selection field appear.

Step 10 - LG account



Create an LG account

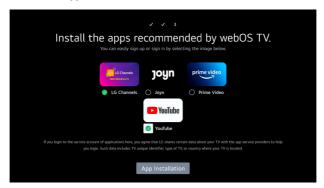
To be able to download apps from the Content Store, a corresponding user account must be created with LG. This can be done either directly on the TV set or via the smartphone / tablet.

Step 11 - Welcome screen





Step 12 - Installing recommended apps



Download apps that are not installed

In this last step, you can install the displayed apps directly on the TV set. Not all apps are pre-installed on delivery. Select the desired apps and confirm them with [App Installation]. The setup is now complete and the TV set is ready for use.

10. HOMESCREEN



Overview of the home screen

The [167] button on the remote control allows you to open the home screen from any screen. The home screen is the central hub of the operating system and provides an overview of all installed apps, the content store and the functions of the TV set.

The most important functions are listed below:

App bar

Public Value: Selection of the most important country-specific apps

APPS: Access to the content store / download additional apps

Home Dashboard: Overview of all inputs and home IoT devices

Music: Access to Spotify, YouTube, Apple Music, Deezer

Web browser: Web browser with video support

Media Player: Playback of videos and images from media connected via USB

App list: Editing the app arrangement

Settings: Opening the settings layer

TV functions

Edit start page: Edit app order

Programme guide: Display of the programme overview

User manual: Detailed digital operating instructions

♠ Information - Home IoT devices

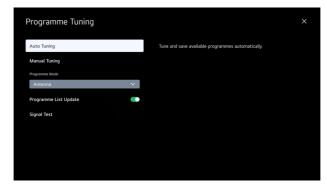
The term "Internet of Things" or "IoT" stands for a networked world of smart devices. These IoT devices behave like computers and are networked with other devices locally or via the Internet. Based on LG's operating system, all compatible LG products and our televisions are collected and displayed here in the Home Dashboard.

10.1 Digital user manual

In addition to these printed operating instructions, the TV set has comprehensive operating instructions for the entire operating system under the [User guide] menu item on the home screen. This is particularly helpful if the printed operating instructions are not available. You can find specific topics quickly and easily in this manual using the search function or by sorting alphabetically.

11. RECEPTION

The DVB-T2, DVB-S2 and DVB-C reception sources can either be added during the initial setup of the TV set or set up later via the settings, for example if the location or reception type changes. This allows you to customise the reception sources as required. To do this, go to: > Settings > General > Channels > Programme search and settings

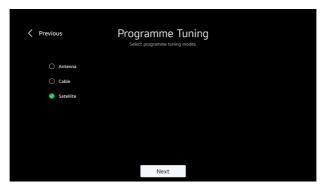


Transmitter setting

The options [Auto Tuning] and [Manual Tuning] are available in this menu. In most cases, it is recommended to select the automatic tuning, unless only certain transponders are to be added or supplemented manually. The automatic setting normally makes the set-up process much easier and enables the TV set to recognise and set the available channels and transponders automatically.

11.1 Setting up DVB-S2 (satellite)

Step 1 - Selecting the satellite reception type



Selecting the satellite reception type

Step 2 - Transmitter setting

1 Information:

By entering the country beforehand, the system automatically suggests the most commonly used satellite of the corresponding country. If you would like to enter a different satellite or several satellites here, please select [Other Operators] and then confirm your selection with [Next].

11.1.1 Setup with predefined list

Setup using the example of the "ASTRA 28.2°" satellite and "Freesat".

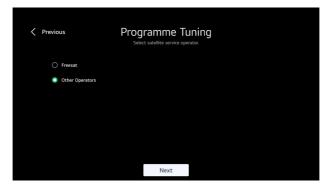


Selection of the "Freesat" channel list

11.1.2 Setup via other providers

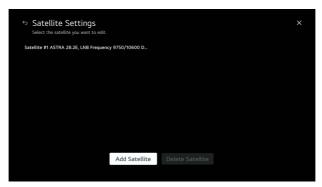
1 Information - Other Operators

The channels are pre-sorted according to ascending frequency of the selected satellite as well as country-unspecific (freely sortable - search duration: long).



Selection "Other Operators"

If you have selected [Other Operators], the following screen will appear. Here too, the TV set automatically suggests the most commonly used satellite in the corresponding country. If you would like to change this, you can do so via [AA Satellite].



Proposed satellite

Now press [Add Satellite] and select the desired satellite.



Adding further satellites



Detailed satellite settings e.g. DiSEqC or LNB Power

Especially in connection with DiSEqC systems, the DiSEqC assignment of the individual satellites can also be determined in this menu. To do this, select the relevant satellite with [Enter].

Please note! The DiSEqC assignment of the satellite system must match that of the TV set. This ensures correct communication between the TV set and the SAT system, especially if you are using several satellites.



Edit transponder option



Editing individual transponder frequencies

This setting / option is useful if certain individual transponder frequencies are to be added, e.g. in the event of a transponder change by the satellite provider.

Step 3 - Programme Tuning



Select which channels to search for

Before the search starts, the search run can be restricted:

Skip encrypted channels: Only free-to-air channels are searched for and displayed

Network search: Retrieve the saved or stored transponders

Image search: The TV set searches all receivable transponders / channels (longest search time)

Recommendation! We recommend that you do not select any of the three options so that the channel list contains all available channels.

The search can now be started via [Next].

Step 4 - Performing the search



Search sequence

Note! Depending on the reception modes, the settings and the corresponding signal strength and quality, the search may take up to 10 minutes.

As soon as the search has been completed, an overview of the channels found and the [Done] selection field appear.

11.2 Setting up DVB-T2 (antenna)

Step 1 - Selecting the type of reception



Selecting the antenna reception type

Step 2 - Search setting



DVB-T2 - Search digital channels only

You can now select whether only digital or also analogue channels should be searched for in DVB-T2 reception mode. Click [Next] to go to the next screen.

1 Information

This field only appears if you have selected [Antenna] as the reception type. In most cases, it is sufficient to search for digital channels only. In Germany and most other European countries, analogue television has already been completely switched off.

Step 3 - Performing the channel scan



Scan in DVB-T2

12. BASIC FUNCTIONS (RECEPTION)

12.1 Switching between reception modes

To switch between the different reception modes on your TV set, first press [LIST] on your remote control.



Programme manager



Programme filter

Go to [Transmitter] and press the [131] button on your remote control to open the filter. You can now select the desired reception type and confirm with [ENTER]. To close the window again, please select the [Done] field.

Professional tip! To switch between the two reception modes at the touch of a button, we recommend assigning both the first programme (programme position 1) in satellite television (SAT) and the first programme (programme position 1) in terrestrial television (DVB-T2) to quick access buttons. To do this, press and hold [button 1] for SAT and then [button 2] for DVB-T2 until the corresponding menu opens and the programme can be stored.

12.2 Setting up quick access keys



Overview of the stored shortcuts

The quick access buttons are a practical way of accessing individual apps or functions at the touch of a button. All buttons on the [Keypad 1-9] can also be assigned a shortcut. This can be either an app, a channel or a multimedia input.

- **1.** Start the app or select the channel or input that you want to assign.
- **2.** Press and hold the number key, e.g. [Key 2], on which the quick access is to be stored.
- 3. After a short time, a window appears asking again whether the quick access should be added. Confirm this with [Yes].

Quick access overview and editing: Press and hold [Key 0] to view and edit all stored quick accesses.

12.3 Channel sorting via "ChanSort"

The free "ChanSort" programme makes it easy to sort channel lists on the PC instead of the TV set. This makes creating your own channel list or updating the channel list much quicker and more convenient.

"ChanSort" does not require installation and can therefore be started directly after unpacking the archive on the PC (Windows) via the "ChanSort.exe" contained therein. When downloading the programme, please ensure that you use a reputable source (in our case, e.g. www.chip.de).

To make it as convenient as possible for our customers, we provide ready-made channel lists for the most popular providers on our website, which we update on a regular basis. These can be imported directly via USB.

12.3.1 Exporting / importing channel lists

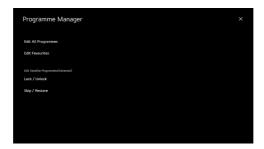
To be able to export or import a channel list, an empty USB stick (FAT32 formatted) must be connected to the TV. To do this, press the [3] button on the remote control and open the path > All settings > General > Channels > Copy channels. If the USB stick has been recognised, it will be displayed first.

You now have the following options in this menu:

TV to USB: Exporting the TV's installed channel list

USB to TV: Importing the channel list from the USB stick

12.3.2 Channel manager (sort channel list)



Transmitter manager menu



Transmitter manager overview

In addition to the option with "ChanSort", which was explained in section 12.3, the channel lists can also be sorted on the TV set. However, it is important here that the search was carried out using the [Other providers] option. To open the Channel Manager, follow the path: > Settings > General > Channels > Channel Manager.

12.4 HbbTV

The TV set supports the HbbTV (Hybrid Broadcast Broadband TV) standard. This standard allows TV sets not only to receive the classic television programme, but also to stream content via the Internet.

The respective channel sends a so-called AI table with a URL to your TV. You can then open this with the [red button] on your remote control. This provides you with additional information about the current programme, the option to restart programmes [blue button] or to open the broadcaster's media libraries, among other things.

This service depends on the broadcaster and offers different options depending on the service. Please note that a sufficient and stable Internet connection must be available.

12.5 PVR recording & Timeshift

All our TV sets with the abbreviations "DW" / "W" support PVR recording function. This is already activated on delivery.

In order to use the recording function, an external hard drive must be connected to the TV set. The best experience has been with external SSD hard drives with a storage capacity of up to 1 TB. Please note that the hard drive must be formatted in FAT32 format! As soon as an external storage medium is connected, the following message appears:



Message when connecting an external storage medium

Please select [Recordings] here. This is the only way to record to the hard disc. Please also note that other media on the hard drive may be deleted.

Programming the recording

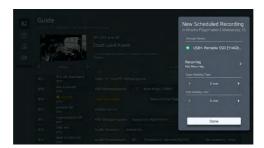
The recording is programmed using the programme guide, which you can access using the [GUIDE] button. Select the desired programme and mark it with [ENTER]. You can then set how many minutes before and after the programme should be recorded. If the recording has been successfully programmed, a small red symbol will appear in front of the programme name.



Selection of the programme



Planning a recording in the programme guide



Setting the recording time before and after the programme

Opening saved recordings

To do this, press the [button on the remote control to open the [More actions] menu. You will now find [Recordings] here.



Timeshift or live playback

In addition to PVR recordings, the [PAUSE] button can also be used to pause a programme in progress and continue watching it with a time delay. You can restart the programme using the [PLAY] button.

12.6 Displaying the CI+ information

If the system is operated together with a CI+ card, it may be helpful to view the corresponding CI information when activating the card or for support requests. This can be found under the path > All settings > General > Transmitter > CI Information

13. MULTIMEDIA FUNCTION

13.1 Integrated DVD player (depending on model)

1 Information

In order to fully control the DVD drive, an additional remote control is included with the corresponding models.

All models with a "D" in the article number (e.g. "SLA-22 DW") have an integrated DVD player.

Overview of buttons & functions



- 1. **[POWER] -** Switching the DVD drive on/off
- 2. [EJECT] Eject the DVD
- **3. [SETUP] -** Opening the settings
- **4. [MENU] -** Open the DVD main menu
- **5. [GOTO] -** Go to (chapter selection)
- **6. [PLAY/PAUSE] -** Play/pause playback
- **7. [STOP] -** Stop/end playback
- **8. [NAVIGATION BUTTONS] -** Navigate and rewind
- **9. [OK]** Confirm the selection
- **10. [Keypad]** Digits 0-9

To start the DVD player, please proceed as follows:

Step 1: Select the [AV] source on the TV set. You can do this either via the main menu or directly via the remote control using the [-] - button.

Step 2: Now press the [POWER] button on the DVD player's remote control.

Step 3: The DVD player menu opens. You can then insert a DVD into the drive. Important: The silver side must face the TV set!

Professional tip! Alternatively, you can activate DVD mode directly during operation by inserting a DVD.

Important notes! To exit or cancel DVD mode, press [POWER] on the DVD remote control. If you exit DVD mode directly via the normal remote control, the drive continues to run in the background and only switches to standby mode automatically after approx. 2 hours.

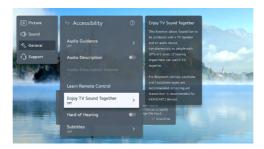
13.2 Audio output

To ensure that you always have the right option for connecting to external sound systems or other devices, our TV sets offer various sound output options.

You can select these via the audio output menu:

- TV loudspeaker (audio playback only via the TV loudspeaker)
- Optical Out devices (sound output via the optical output)
- Optical output device + television loudspeaker (e.g. parallel use with a hearing aid)
- HDMI (ARC) device (ideal for soundbars)
- Bluetooth® device (new: thanks to Bluetooth® Surround to 2 devices simultaneously)
- Bluetooth® device + TV loudspeaker
- Wired headphones
- Wired headphones + TV speakers
- Mobile devices

13.3 Enjoying TV sound mode together



Enjoy TV Sound together



One of the most frequently requested functions, parallel playback on the TV speaker and additional Bluetooth* headphones, can now also be offered under webOS Hub. This is particularly helpful when listeners want to listen at a different volume.

To do this, go to > Settings > General > Accessibility > Enjoy TV Sound Together

14. OTHER USEFUL FUNCTIONS

14.1 Connecting the Windows PC (wirelessly) to the TV set

The TV set offers the option of connecting a Windows 10/11 laptop or PC wirelessly to the TV set. To do this, connect using the [Windows] + [K] keys on your Windows keyboard. A window will open showing all available displays in the vicinity. Select your alphatronics TV set. The devices **do not** need to be in the same WLAN network, as the connection is established directly between the PC/laptop and the TV set.

14.2 USB camera support

The new generation of webOS Hub TV devices offers support for USB cameras to enable mobile working and video telephony in the vehicle. Compatible models are currently Logitech webcams such as "C920", "C922", "C925" and "C930".

14.3 App Store & ThinQ app

Content Store

The Content Store is webOS Hub's own app store. The desired apps can be downloaded directly here. Most well-known streaming providers are represented here.

You can access the Content Store via the [Home screen]. Open this via the [M] button and select the [Apps] item.

Important note! To be able to download apps from the Content Store, a corresponding LG account must be created.

LG ThinQ App





Thanks to the webOS Hub operating system, all our devices support the "LG ThinQ" app. This is available for all Android and iOS-based devices (via the respective store).

Various functions are available to you via the app, such as a digital remote control, switching the TV set on/off via your smartphone and sharing the screen, pictures or videos on the TV.

Field: Remote control

Control of the most important device functions (mute, home, voice input, volume, keypad, etc.)

Field: Share

- Mirror your own smartphone screen to the TV set (Important! Some apps cannot be mirrored here for legal reasons!)
- Playback of photos, videos or music on the TV set
- Playing the TV sound on the smartphone

Field: Apps

Opening installed TV apps

Field: Inputs

Opening the different TV inputs

14.4 Web browser

The integrated web browser makes it possible to play video content directly. If an app is not available, we recommend checking whether the corresponding content is accessible via the homepage.

Web browser



 $Homepages\ can\ also\ be\ saved\ as\ bookmarks\ or\ app\ shortcuts\ on\ the\ home\ screen\ using\ the\ 3\ dots\ at\ the\ top\ right.$

15. SETTINGS

15.1 Quick access to the settings



Overview of quick access

The TV settings can be called up using the [®] button. Here you will find all settings in a central menu. From this year onwards, there is a quick access function to make the most important settings, such as picture mode, sound mode and audio output, even quicker to access. You can also deactivate the display during audio playback or dim it in the evening to make the display more pleasant.

Settings: All device settings

Accessibility: Additional audio & image settings

Network: Network settings

Pro tip! A practical tip for using the Magic remote control is to press and hold the button for a long time to open all settings directly without having to access them via the top bar in the quick settings.

15.2 Family settings

The family settings help to make use safer and more convenient for the whole family.



Overview of family settings

The family settings on the TV set not only serve to protect children, but also offer useful functions for mobile working and general use of the TV set. These settings include:

Usage Limit Setting: Usage times and duration can be defined here.

Eye Care Mode: This mode uses a blue filter to reduce eye strain, especially during longer screen sessions.

Volume Limit Mode: This mode allows you to limit the volume level to prevent hearing damage, especially when using headphones.

Screen Time Report: With this function, you can evaluate your usage behaviour and determine how much time you have spent with the TV set.

15.3 Resetting the TV set

In the event of problems or the sale of the TV set, it is advisable to reset it so as not to leave any login data or other personal data on the TV set.

The corresponding setting can be found under the path > *All settings* > *General* > *System* > *Reset to factory settings*

15.4 Changing the country setting and language

To do this, open the path > All settings > General > System > Location or All settings > General > System > Language

16. TECHNICAL DATA

Screen	
Display type	LED wide-angle display
Picture format	16:9 widescreen
Viewing angle	178° (H) / 178° (V)
Resolution	Screen size: 19"
	1366 x 768 / HD-Ready
	Screen size: 22", 24", 27", 32", 40"
	1920 x 1080 / Full-HD
Interfaces	
Bluetooth® version	5.2
Bluetooth® range	30 m
Bluetooth® playback direction	Transmitter or receiver
WLAN	Dual band (2.4 GHz / 5.0 GHz)
Reception	
Tuner	Triple tuner (DVB-S/S2, DVB-T/T2, DVB-C)
Video coding	MPEG-2 / MPEG-4
HEVC standards	H.264 / H.265
TV / Video systems	PAL, SECAM
Fast scan	Yes
LCN (Logic Channel Numbering)	Yes
HbbTV	Yes
CI+ slot	Yes
Power supply	
Input voltage	10.5 - 30 V DC
Overvoltage protection	Yes
Reverse polarity protection	Yes

Programme memory	
Favourites lists	Yes
max. programme positions: DVB-T/C	500
max. programme positions: DVB-S2	4000
Ambient conditions	
Ambient temperature	-10° to 45°
Max. humidity during operation	10 % to 80 % (non-condensing)
Storage temperature	-20° to 60°
Max. humidity during storage	5 % to 85 % (non-condensing)
Security	
Security password (default)	0000

17. LEGAL INFORMATION

Licence texts

HDMI"

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator. Inc.

Bluetooth

The Bluetooth* word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by alphatronics is under license.

webOS Hub and ThinQ are trademarks of LG Electronics Inc.

Apple, AirPlay, Apple Home and HomeKit are trademarks of Apple Inc. registered in the U.S. and other countries and regions.

Google, YouTube, other marks are trademarks of Google LLC.

Other names or designations mentioned may be trademarks or registered trademarks of their respective owners.

Manufacturer information

Dear customer, if you need technical advice and your specialist dealer was unable to help you, please contact our technical support team.

Our technical support is available in German and English.

Please also visit our service page at: www.alphatronics.de

Disclaimer

alphatronics GmbH accepts no liability or warranty for damage resulting from improper installation or assembly, improper use of the product or failure to observe the safety instructions.

Improvements and changes to these operating instructions - due to printing errors, inaccuracies in the information provided or improvements to the product - may be made by alphatronics at any time and without prior notice. Such changes will be incorporated in newer editions of these operating instructions or in the online version. All images are for illustrative purposes only and do not necessarily represent the actual TV set 100 % accurately.

Notes on the guarantee

Guarantee conditions

- The alphatronics guarantee covers all material and manufacturing defects. Accordingly, all other defects and damage are excluded. These include those caused by improper use, incorrect adjustment, calibration and installation, disregard of the user manual as well as external influences, optical damage and normal wear and tear.
- The alphatronics guarantee is valid from the date of purchase and covers all material and manufacturing defects that are reported during the guarantee period.
- The alphatronics guarantee only comes into effect on presentation of the original proof of purchase (not handwritten).
- The guarantee of alphatronics expires in the event of modifications and repair work by persons not authorised by alphatronics, by changing or removing the serial number, remanufacturing or commercial use of a consumer product.
- Whether a repair or replacement is carried out is at the sole discretion of alphatronics. The replaced parts and TV sets become the property of alphatronics.
- Costs other than those for repair and replacement are not covered by the alphatronics warranty.
- alphatronics is not liable for damage to software or data carriers.
- The guarantee period for this alphatronics TV set is 36 months (3 years).

Data protection information

alphatronics GmbH processes your data in accordance with the statutory provisions of the General Data Protection Regulation (GDPR) and the Federal Data Protection Act (BDSG) in conjunction with the data protection laws of the federal states.

Copyright

These operating instructions are protected by copyright. Any duplication or reprinting, even in part, as well as the reproduction of the illustrations, even in modified form, is only permitted with the written consent of the manufacturer.

Waste disposal



The crossed-out symbol of a mobile waste container indicates that electrical and electronic products (WEEE) must be disposed of separately from household waste. Please dispose of old appliances separately from other waste and take them to a designated collection point for the recycling of electrical and electronic appliances. If the appliances contain batteries or lamps that can be easily removed by the end user without damaging them, please separate them from the main appliances before dis-

posal, unless you wish the old appliances to be reused (old batteries and lamps are collected separately). Please also note that you are personally responsible for deleting personal data from the device before you dispose of your devices.

Old electrical products may contain hazardous substances that require proper disposal of these old appliances to avoid harmful effects on the environment and human health. Your end-of-life devices may contain reusable parts that can be used to repair other products, but may also contain other valuable materials that can be recycled to conserve scarce resources.

You can either return your device to the shop where you originally purchased the product or contact your local waste disposal centre for information on the nearest authorised WEEE collection point.

Please note that some* distributors are obliged to do so:

- when supplying a new electrical or electronic appliance to an end user, to take back the end user's old appliance of the same type free of charge, and
- to take back old appliances that are not larger than 25 centimetres in any external dimension free of charge in the retail shop or in the immediate vicinity;

If offline or online retailers deliver new appliances to private households, they are obliged to collect old appliances directly from them or to offer return options within a reasonable distance. We therefore recommend that you contact your retailer for further information.

alphatronics GmbH is duly registered as a manufacturer in Germany.

In this way, alphatronics contributes to the collection of waste electrical and electronic equipment throughout Germany, which you hand in at municipal separate collection centres.

* Distributors with a sales area for electrical and electronic equipment of at least 400 square metres and food distributors with a total sales area of at least 800 square metres that offer electrical and electronic equipment.

Notes on environmental protection

The following applies from the date of transposition of European Directives 2012/19/EU and 2006/66/EC into national law: Electrical and electronic equipment and batteries may not be disposed of with household waste. Consumers are legally obliged to return electrical and electronic equipment and batteries at the end of their service life to the public collection points set up for this purpose or to the point of sale. Details on this are regulated by the respective state law. The symbol on the product, the instructions for use or the packaging indicates these regulations. By recycling, material recovery or other forms of utilisation of old appliances/batteries, you are making an important contribution to protecting our environment.

1 Information - Packaging material

Packaging and packaging materials are recyclable and should always be recycled. Packaging materials such as foil bags do not belong in the hands of children!



Simplified declaration of conformity in accordance with the RED Directive

alphatronics GmbH hereby declares that the radio equipment type described complies with Directive 2014/53/EU and the other directives applicable to the product.

The full text of the EU Declaration of Conformity is available at the following Internet address:

https://alphatronics.de/de/support/konformitaetserklaerung,83/

(Please note your corresponding model designation).

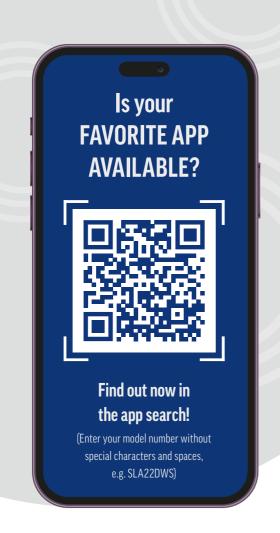
Information on transmission power

	Frequency range	Transmission power
Bluetooth®	2400 to 2483.5 MHz	> 10 dBm
WLAN	2400 to 2483.5 MHz	> 20 dBm
	5150 to 5725 MHz	> 20 dBm
	5725 to 5850 MHz	> 20 dBm

(Since frequency channels may differ depending on the country, the user cannot change or adjust the operating frequency. This device is set according to the regional frequency table).

ENGLISH

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