# MEGASAT

HD 601 V5

user manual

PRODUCT REGISTRATION

By registering your Megasat product, you have access to our automatic e-mail notifications.
If your product requires new firmware, you will be notified by e-mail.

To register, please visit our homepage **www.megasat.tv**

You can find the form at **Support ⇨ Product registration**

To conserve resources and protect the environment, we only provide the operating instructions
in other languages as a download!
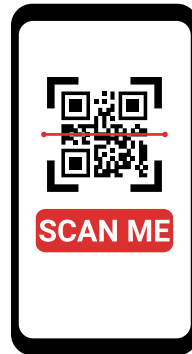
DE QR-Code scannen für mehrsprachige PDF-Anleitung.
EN Scan QR code for multilingual PDF instructions.

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1. Safety instructions

Please read the operating instructions carefully before using the appliance. Incorrect or improper handling will invalidate the warranty.

Mains connection:
Before commissioning, please check the correct operating voltage of your power supply. The operating voltage of the appliance is AC 100~240 V, 50/60Hz.

Overload:
Do not overload the wall socket, the extension cable or the adapter. Do not use a damaged power cord or touch it with a wet hand as this may result in electric shock.

Liquid:
The appliance must not be exposed to dripping, splashing or other liquids.

Ventilation:
Keep the ventilation slots on the top of the appliance clear to allow sufficient air circulation in the appliance. Do not expose the appliance to direct sunlight or other heat sources such as a heater. Do not place any other electrical appliances on top of the appliance.

Risk of suffocation:
Do not allow children to play with foils or other packaging parts, there is a risk of suffocation.

Cleaning:
Unplug the appliance before cleaning it. Clean the appliance with a soft cloth.

Opening the appliance:
Do not open the housing to avoid the risk of electric shock. Contact qualified and licensed service personnel to repair the appliance or contact your dealer.

2. Delivery

Please check the scope of delivery before using the device:

· Megasat HD 601 V5
· Remote control incl. batteries
· External power supply unit
· User manual

3. Overview and connections

3.1 Front side

Seitliche Ansicht
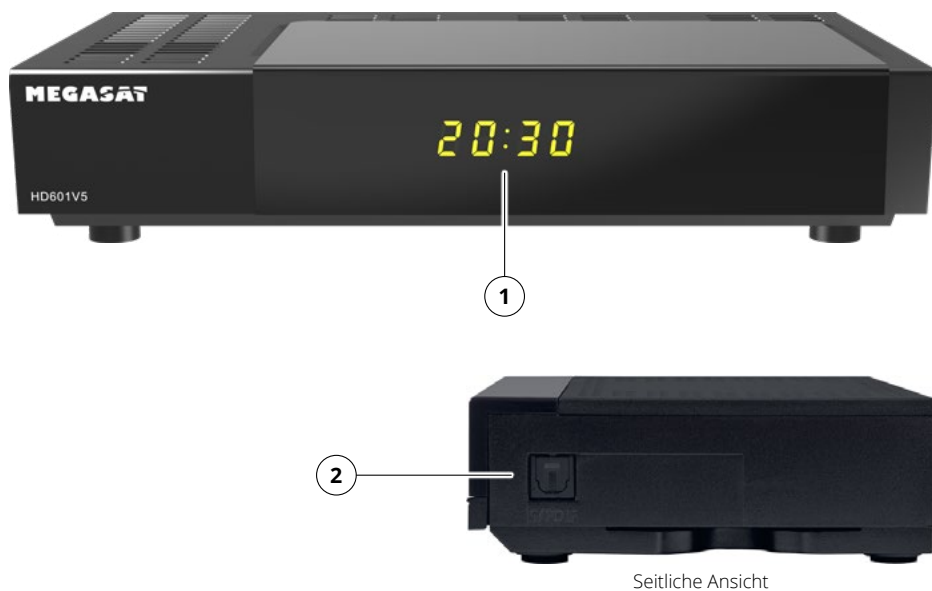
1. **Alphanumeric display**
   Outputs the channel name as text
2. **AUDIO output**
   Optical digital output for connecting external audio devices.

3. Overview and connections

3.2 Rear side
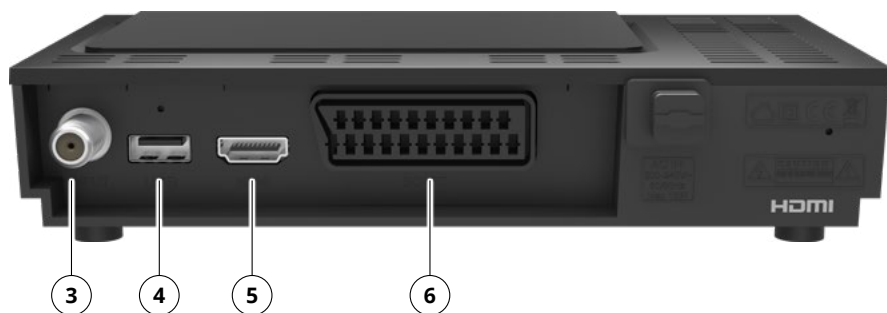
3. LNB input
For connecting the feed line from the LNB.
4. USB connection
For connecting a USB stick or a USB hard disc.
5. HDMI connection
Connection for digital transmission of audio and video signals to the TV.
6. SCART connection
Connection for analogue transmission of audio and video signals to the TV.

3. Overview and connections

3.3 Remote control
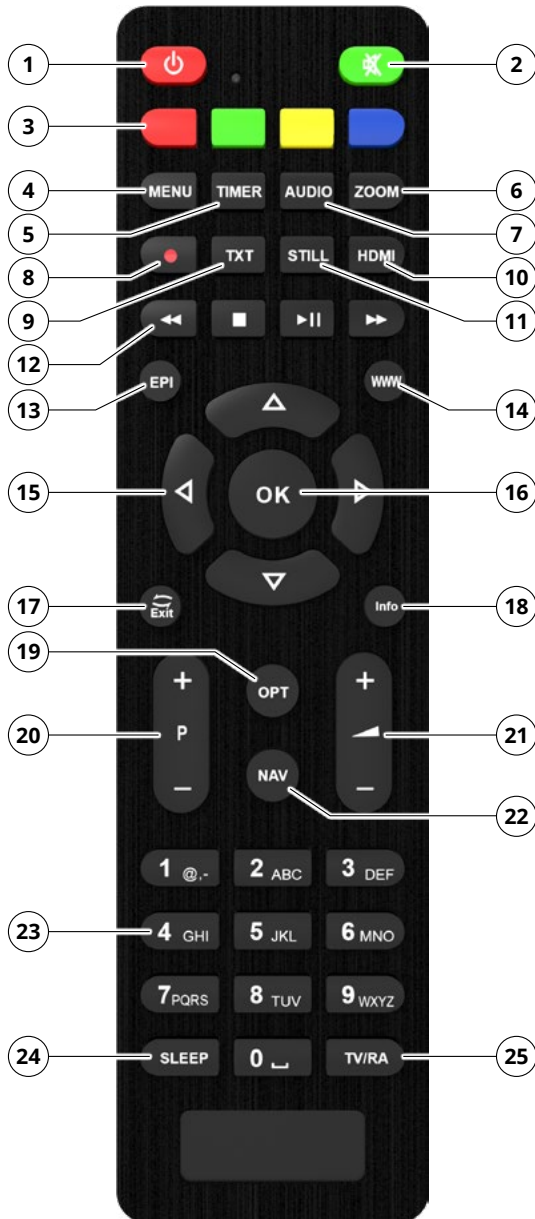
3. Overview and connections

1. **Mute** Mutes the device.
2. **Standby button** Press this button to switch the device on or put it into standby mode.
3. **Colour buttons** Offer different functions depending on the current menu.
4. **MENU** Use this button to display the device menu.
5. **TIMER** Switches to the timer menu.
6. **ZOOM** Switch between different aspect ratios (e.g. 16:9, 4:3, zoom).
7. **AUDIO** Selection between different audio sources or tracks (if available).
8. **REC** No function.
9. **TXT** Calls up the teletext of the current channel (if available).
10. **STILL** The current TV or video picture is paused while the sound continues.
11. **HDMI** Displays the current HDMI resolution.
12. ◄◄ | ■ | ▌▌/► | ►► Fast rewind / stop / play/pause / fast forward
13. **EPI** Shows the electronic programme information of the respective channel.
14. **WWW**
15. **Arrow keys up/down/right/left** Use these buttons to navigate through the menu.
16. **OK** Use this button to confirm an entry or selection.
17. **EXIT** Exits the current menu or switches to the previous channel.
18. **INFO** Shows information on the respective status.
19. **OPT** Option button.
20. **PROGRAM +/–** Switch one programme position up or down.
21. **VOLUME +/–** Increases or decreases the volume.
22. **NAV** Use the NAV button to navigate through the menu.
23. **Number keys** For direct digit entry.
24. **SLEEP** Press this button to set a sleep timer. The receiver switches to standby mode after the time you have set.
25. **TV / RADIO** Switches between TV and radio reception.

4. Connect the receiver

4.1 Connection to the satellite antenna
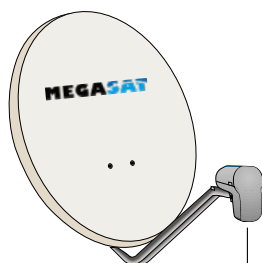
Connect the LNB input of the digital receiver to the LNB of your outdoor unit using a suitable coaxial cable.

4. Connect the receiver

4.2 Connection to a television

Connection via HDMI
or
analogue scart cable

Connection via HDMI

Alternative connection
via analogue Scart cable

4. Connect the receiver

USB hard drive
or USB stick

Power supply

Connect an external USB storage medium, such as a USB stick or an external hard drive, to the USB port on the back of the receiver.

ATTENTION! Depending on the device type, the external USB mass storage device may also need to be supplied with power via a separate power supply unit. Please read the operating instructions for the USB mass storage device used!

Note:
There are sometimes considerable differences in the read and write speed of USB storage media, especially USB sticks, depending on the quality of the USB device. Please only use USB sticks from brand manufacturers with high speeds to avoid playback errors.

Make sure that the data carrier is formatted in FAT32 file format. In addition, the storage medium must first be initialised on the receiver, which can take approx. 20 seconds.

5. Prepare the remote control

5.1 Inserting the batteries

1. Remove the flap on the back of the remote control by pulling it backwards.

2. Insert the batteries into the remote control. Ensure the correct polarisation of PLUS and MINUS. Close the remote control by pushing the flap back on.
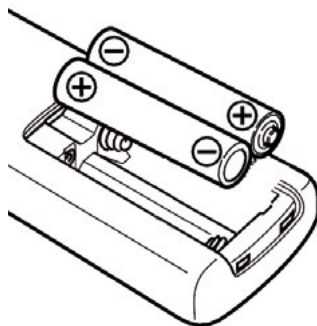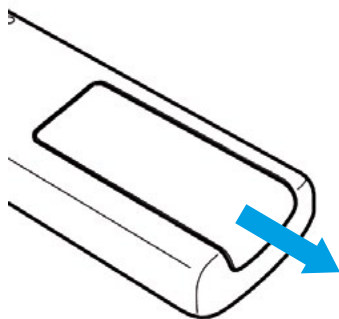
5.2 Basic operation with the remote control

· Switch the device on or off using the standby button on the remote control or on the device.

· Use the +/- buttons on the remote control to increase or decrease the volume.

· All settings can be made via the menu in the device.
   - Pressing the MENU button on the remote control takes you to the main menu.
   - Use the arrow buttons to select the settings you want to edit.
   - Press the OK button to confirm an entry or move to the next menu item.
   - Press EXIT if you want to exit the current setting.

6. Initial installation

Once you have connected the device to all the necessary connections, the device can be switched on.

Make sure that the correct input source is selected on your TV (e.g. HDMI 1).

To display the picture from the receiver on your TV, the TV must be switched to the corresponding input to which the receiver is connected. To do this, use the remote control of your TV set.

Depending on the manufacturer, you will find a button on the remote control for selecting the input source. This is often labelled AV, INPUT, SOURCE or a similar symbol.

Press the standby button on the remote control. The menu for initial start-up appears. The following message window appears for the first start-up: AutoInstall.

Note:
You can use the installation wizard to make the most important settings for the digital receiver quickly and easily.
In the following installation steps, you can confirm your selection with the OK button or the green button to proceed to the next step.
Press the red button to return to the previous step so that you can correct incorrect entries at any time.
The device is preset at the factory so that reception of the ASTRA 19.2° East satellite is already configured.

6. Initial installation

6.1 Operating language

When the installation wizard is started, the window for selecting the operating language is displayed first.

· Use the arrow buttons to select the desired language.
· Confirm your selection with the OK button to go to the country selection.

6.2 Country selection

Use the arrow buttons in this menu item to select the country in which you are located.

6.3 AV output

In this step, select the signal path via which the receiver is connected to the TV.

6. Initial installation

6.4 Antenna setting

In this menu, you can customise the receiver
to your satellite reception system.

Note:
The receiver is preset at the factory with the parameters for receiving Astra 19.2° East on a standard satellite system. Changes to the settings should only be made if you want to receive satellite positions that are not already preset in the device. In this case, please contact your specialist dealer or installation company.

If the signal strength and quality are displayed and a TV programme is running in the background, no changes are necessary.
In this case, press the green button to accept the settings and exit the installation wizard.

6. Initial installation

6.5 Menu structure and operation

All settings can be made via the device menu.

- Press the MENU button on the remote control to access the main menu.
- Use the arrow buttons (up/down/left/right) to navigate to the desired settings that you want to edit.
- Confirm a selection or go to the next menu item by pressing the OK button.
- Press the MENU button to go back one step at a time.
- Press EXIT to exit the menu and save your changes.

- **Channel search:**
  Here you can search for programmes that may not yet be saved in the programme list.
- **Edit programmes:**
  Change the order of the stored TV and radio channels, select a switch-on channel or create new favourite lists.
- **Settings:**
  Customise various settings such as the system clock time, antenna configuration, audio and video output signals and the menu language.
- **Multimedia:**
  You can use this item to play music, pictures or films from a connected USB storage medium.
- **Timer:**
  Set a timer to switch the appliance on at a specific time or to programme a programme change.
- **Language:**
  You can change the operating language of the device here.

7. Channel search

Once you have successfully connected and commissioned your digital receiver, you can customise it to your individual requirements if necessary.

7.1 Automatic search

You can perform a complete scan for one or more satellite positions. Depending on your selection, all available transponders on the respective satellite will be rescanned.
If your satellite system allows reception of several satellite positions, we recommend selecting the satellite search.

Note:
The receiver is preset at the factory with the parameters for the most common satellite systems and positions. Changes to the settings should only be made if you want to receive programmes or satellite positions that are not already preset in the device. In this case, please contact your specialist dealer or installation company.

· Press the Menu button.
· Go to the Search menu item and confirm with OK.
· Select the Automatic search option and press OK to confirm.

In the Channel type window, decide whether you want to search for all channels or only free-to-air channels. It is recommended that you only search for free-to-air channels with this receiver. If the network search is set to „On", the device searches all frequencies provided by the satellite operator.

· Press the OK button to start the search.
· The search can be cancelled at any time by pressing the EXIT button.

After completing the search or cancelling it with EXIT, you will be asked whether you want to save the channels found. Confirm with Yes or No.

7. Channel search

7.2 Satellite search

If your satellite system allows reception of several satellite positions, this search is recommended.

- Select Channel search and confirm with OK.
- Select the Satellite line.
- Navigate in the Satellite line using the right/left arrow buttons to select the satellite position on which you want to perform the search.

Decide in the window under „Channel type" whether you want to search for all channels or only free-to-air channels. It is recommended that you only search for free-to-air channels with this receiver.
If the Network search option is set to „On", the device searches on all frequencies provided by the satellite operator.

- Press the OK button to start the search.
- Confirm the process with OK.

7. Channel search

7.3 Transponder search

You can search for a specific programme whose transmission parameters are known. In this menu, you have the option of finding a programme on a known transponder.

- Select Channel search and confirm with OK.
- Select the Transponder search line.
- Navigate in the Satellite line using the right/left arrow buttons to select the satellite position on which you want to perform the search.
- Switch to the Frequency field and press the OK button.
- Now select the transponder on which you want to perform the search and press OK.
- Switch to the Polarisation field and press the OK button.
- Select the desired polarisation and press OK.
- If the Network search option is set to „On", the device searches on all frequencies provided by the satellite operator.
- In the Channel type window, decide whether you want to search for all channels or only free-to-air channels. It is recommended that you only search for free-to-air channels with this receiver.
- Switch to the Start search line and confirm with OK.

The search can be cancelled at any time by pressing the EXIT button.
If you want to save the channels found, confirm the query with Yes or No after completing the search or cancelling it with EXIT.
The programmes found will be added to the end of the programme list.

8. Edit programmes

The „Edit programmes" menu item allows you to conveniently manage the TV and radio programmes you can receive. You can change the order of the stored TV and radio channels according to your wishes and create new favourite lists.

· Press the menu button.
· Go to the Edit programmes menu item and confirm with OK.

The following options are available to you:

· Programme management
· Edit favourites lists
· Switch-on programme
· Delete all programmes

8.1 Programme management

Use this menu item to move programmes to an individual position in the programme list, delete, rename or block programmes.

· Press the Menu button.
· Go to the Edit programmes menu item and confirm with OK.
· Select Programme management and press OK to confirm.

Delete programmes from the list (red)
You can delete one or more preset programmes.

Important note:
This setting deletes all selected programmes! To store programmes in the device again, please carry out a new search or reset the device to the factory settings.

· Use the up/down arrow buttons to select the programme you want to delete.
· Press the red button.
· Confirm the following prompt with OK to delete the programme.

8. Edit programmes

Lock programmes (green)
The device allows programmes to be provided with a PIN query in order to protect content, such as programmes unsuitable for children. When accessing a blocked programme, a four-digit PIN must be entered in order to view the programme.

- Use the up/down arrow buttons to select the programme you want to lock.
- Press the green button.
- A green tick appears after the programme name, indicating that the programme has been locked.
- Other programmes can be locked in this way.
- Press EXIT to save the changes.

Move programmes (yellow)
To change the order of the programmes, programmes can simply be moved.

- Use the up/down arrow buttons to select the programme you want to move and press the yellow button. A yellow tick appears next to the programme name.
- Use the up/down arrow buttons to move the programme to the desired position.
- Press OK to confirm the change.

Skip programmes
You can skip one or more programmes so that they cannot be selected during operation using the up/down arrow buttons. These programmes can then only be selected by entering the programme number directly.

- Press the blue button for further options.
- Use the up/down arrow buttons to highlight the programme to be skipped and press the red button. A red tick appears next to the programme name.
- Press EXIT twice to save the settings.

8. Edit programmes

8.2 Editing favourites lists

You can add one or more channels to a favourites list. This allows you to call up the favourites list during normal operation and select the channels it contains. Creating a favourites list does not change the main channel list.

- Press the Menu button.
- Switch to the Edit programmes menu item and press OK to confirm.
- Select Edit favourites list and press OK to confirm.
- Use the blue button to select a favourites list in which you want to save channels.
- Use the OK button to select the channels to be displayed in this list.
- Press EXIT to save the settings.

8. Edit programmes

8.3 Switch-on programme

With the Switch-on programme function, you can set a programme that the receiver starts automatically when it is switched on using the standby button. If no setting is made, the receiver always starts with the last selected programme when it is switched on.

- Press the Menu button.
- Switch to the Edit programmes menu item and press OK to confirm.
- Select Switch-on programme and press OK to confirm.
- Switch on the function in the Switch-on programme line.
- In the Start programme mode line, select whether the receiver should start with a programme from the TV list or the radio list.
- In the Switch-on programme line, select the programme with which the receiver should start when switching on.
- Press EXIT to save the settings.

8.4 Delete all programmes

You can use this function to delete all programmes.

Important note:
This setting deletes all programmes! To save the programmes back into the device, please carry out a new search or reset the device to the factory settings.

- Press the Menu button.
- Switch to the Edit programmes menu item and press OK to confirm.
- Select Delete all programmes and press OK to confirm.
- Confirm the security prompt with Yes or exit the menu with No.

9. Settings

In the Settings menu, you can customise various options, such as the system clock time, antenna configuration, audio and video output signals and the menu language.

9.1 Date/Time

You can adjust the time and date of the device in this menu.

Note:
The device receives the current time and date automatically if an aerial signal is available. It is therefore not normally necessary to change the date manually. The time usually only needs to be adjusted after a time change (winter/summer time / summer/winter time).

· Press the Menu button.
· Switch to the Settings menu item and confirm with OK.
· Select Date/Time and press OK to confirm.

9.1.1 Date Time Mode

In this menu, you can specify whether the time and date should be read in automatically or by a defined programme after the appliance is switched on.

· Press the OK button to open a window.
· In this window, use the up/down arrow buttons to select either the Automatic entry if you want the receiver to read in the time from the broadcast signal, or Manual if you want to set the time yourself.

9.1.2 GMT time zone

If the setting is set to Auto under Date/Time Mode, you only need to correct the time according to your local time.

· Press the OK button.
· Use the up/down arrow buttons to select the time difference by which you want to correct the local time and press OK to confirm.
· For Germany, this difference is GMT +1 hour.

9.1.3 Summer time / winter time

In the Summer time line, switch summer time on or off, depending on which time currently applies.

9. Settings

9.2 Childproof lock

The device offers the option of protecting programmes and menu settings with a PIN request. This is particularly useful for protecting children from potentially adult content. Programmes that are to be protected with a PIN code can be locked. When accessing a locked programme, a four-digit PIN must then be entered in order to view it.

Set up PIN and activate parental control

· Press the Menu button.
· Go to the Settings menu item and press OK to confirm.
· Go to Customise and press OK to confirm.
· Select Child Lock and press OK to confirm.
· Enter the 4-digit PIN code using the numeric keypad on the remote control. The factory-set PIN code is 0000.

Additional locks and parental control settings

· Under System lock, you can block access to the Edit programme menu item. This prevents the deletion or sorting of programmes, for example.
· In the Youth protection menu, you can specify the desired youth protection level, which takes into account the age of the viewer. If a programme is not suitable for a certain age, the PIN is requested in order to view the programme. Please note that this function is only available in some countries and depends on the satellite operator.

Change PIN

· Select the Change PIN line using the up/down arrow buttons and confirm with OK.
· Enter the new PIN code using the numeric keypad on the remote control and confirm.
· Repeat the entry to confirm.
· The new PIN code is saved automatically.

Important note:
Write down the new PIN code and keep it in a safe place. If the PIN code is lost or forgotten, the locked functions can no longer be used.

9. Settings

9.3 Auto-Standby

The device's power supply unit complies with a European Union directive on the environmentally friendly design of set-top boxes. According to this directive, the device is automatically switched to standby mode after 3 hours if no operating functions such as programme selection or volume control have been carried out during this period.
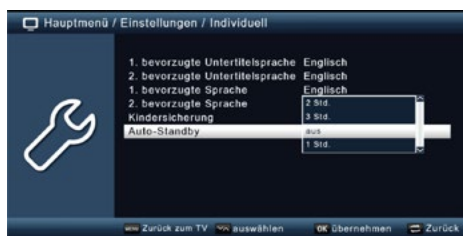
Note:
This function is activated by default on delivery.

However, you can deactivate this function under the following menu item or adjust the standby time:

· Press the Menu button.
· Switch to the Settings menu item and press OK to confirm.
· Select the Customise item and press OK to confirm.
· Select the Auto standby line and press OK to confirm.
· Use the right/left arrow buttons to switch the function on or off or select a different time.

9.4 Audio-video settings

In this menu, you can adjust the audio and video settings of your receiver to your TV in order to achieve the best possible display and sound quality.

· Press the Menu button.
· Switch to the Settings menu item and confirm with OK.
· Select the Audio/Video item and press OK to confirm.

9. Settings

9.5 Audio Video

In this menu, you can select the screen resolution according to the specification of your TV.

- Press the Menu button.
- Switch to the Settings menu item and press OK to confirm.
- Select Audio/Video and press OK to confirm.
- Select Resolution and press OK.
- Change the format using the right/left arrow buttons.
- Select the format that matches your TV to optimise the resolution. Please follow the instructions and technical data provided by the manufacturer of your TV set.

9.6 SPDIF

If you have connected a Dolby Surround amplifier via the digital optical output of the receiver, you can make the corresponding settings here.

- Press the Menu button.
- Switch to the Settings menu item and press OK to confirm.
- Select Audio/Video and press OK to confirm.
- Select SPDIF and change the format using the right/left/up/down arrow buttons.

9. Settings

9.7 Antenna settings

You can use the antenna setting to adjust the satellite receiver to the connected satellite antenna

- Press the Menu button.
- Switch to the Settings menu item and confirm with OK.
- Use the up/down arrow buttons to select the „Antenna settings" option and confirm with OK to open the antenna settings.

Note:
The receiver is already preset at the factory with the parameters for the most common satellite systems and satellite positions. You should therefore only change the settings if you want to receive satellite positions that have not yet been preset in the device. Please also consult your specialist dealer or installation company.

Procedure:
Several parameters for reception can be set in the antenna configuration. The following data is required for this:

- Satellite: Satellite position according to the orientation of the satellite antenna.
- LNB type: LNB type of the previously set satellite position.
- LNB frequency: LNB IF frequency for the low band.
- LNB IF frequency: LNB IF frequency for the high band.
- Transponder: Transponder frequency on which a search can be performed.
- 22KHz: 22KHz signal.
- LNB voltage: Setting the LNB supply voltage.
- Tone burst mode: Switch the tone burst mode on or off depending on your satellite system.
- DiSEqC: DiSEqC position setting.

A display in the lower menu area provides information about the quality and strength of the received signal.

9. Settings

9.7.1 Satellite

Set the satellite positions that you can recei-
ve with your satellite system here.

· Select the Satellite item using the up/down arrow buttons.
· Press the OK button. A list of available satellites opens.
· Select the desired satellite by using the up/down arrow buttons.
· Then confirm with OK.

9.7.2 LNB type

In this item, you can use the left/right arrow buttons to select the LNB type with which the satelli-
te position is to be received.

9.7.3 LNB frequency

Use the numeric keypad to set the IF frequencies specific to the LNB in the high and low bands.

9.7.4 Transponder

Select the transponder on which the receiver should receive a signal from the selected satellite.

9.7.5 22 KHz

The 22 KHz circuit is used to realise control commands such as low and high band switching in
satellite systems. Use the left/right arrow buttons to switch the 22 KHz signal on, off or set it to
Auto.

9.7.6 LNB voltage

Use the right/left arrow keys to set the control supply voltage for the LNB used.

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9. Settings

9.7.7 Tone Burst Mode

Switch the Tone Burst mode here according to the connected satellite system. This setting depends on the satellite reception system and the associated modules.

9.7.8 DiSEqC

In these fields, use the left/right arrow keys to set the satellite position that is controlled via DiSEqC. This setting depends on the satellite reception system and the associated modules.

9.7.9 Transponder list and transponder search

To search for a specific programme whose transmission parameters are known and to add new transponders, follow these steps:

· Press the menu button on your remote control.
· Go to the „Installation" menu item and confirm with OK.
· Select „Antenna settings" and press OK to confirm.
· Select the satellite on which you want to search for the programmes.
· Go to the „Transponder" field and press OK to open the transponder list.
· Select a transponder on which you want to perform the search.
· Press the blue button to start the search.
· If „Network search" is set to „on", the receiver searches on all frequencies provided by the satellite operator.
· Switch off the network search if you only want to search on the selected transponder.
· In the „Channel type" window, decide whether you want to search for all channels or only free-to-air channels.
· It is recommended that you only search for free-to-air channels.
· Go to the „Start search" line and confirm with OK.

The search run can be cancelled at any time by pressing the EXIT button. If you would like to save the channels found, confirm the subsequent query with Yes or No after completing the search or after cancelling with EXIT. The saved channels are added to the end of the channel list.

9. Settings

9.8 Software update

It may be necessary to update the operating software to improve the device functions. There are various methods available for updating the device software.

9.8.1 Software via USB

You can update the operating software of your receiver via the USB interface. If necessary, the required software is available for download at www.telestar.de. The downloaded file must be unpacked. Then transfer the unzipped file to a storage medium that you connect to the receiver via USB.

• Press the Menu button.
• Switch to the Settings menu item and confirm with OK.
• Select Software update and press OK to confirm.
• Select Software update via USB and press OK to confirm.
• Select the software file and press OK again to confirm.

The update will now start automatically. Once the update process is complete, the receiver will restart automatically. To activate the update, call up the factory settings after the software update.

ATTENTION:
Please do not disconnect the USB storage medium from the receiver during the update process!

9. Settings

9.8.2 Software via satellite

The receiver can load new software via satellite if it is available. To download the software, the satellite and frequency must be specified.

- Press the Menu button.
- Switch to the Settings menu item and confirm with OK.
- Select Software update and press OK to confirm.
- Select Software update via satellite and press OK to confirm.

The following parameters are preset and do not usually need to be changed:

- Satellite: Astra
- Frequency: 12604
- Symbol rate: 22000
- Polarisation: Horizontal
- Download PID: 1302
- Automatic update: on

Please note that these parameters are valid at the time these instructions were created and may differ from the current parameters. If necessary, contact your specialist dealer to find out the latest parameters.

All settings can be adjusted by selecting the relevant item with the up/down arrow keys and changing it with the right/left arrow keys.

To start the update via satellite, switch to the Software update via satellite line and confirm with OK.

9. Settings

9.9 Factory setting

You can reset all settings that you have made on the receiver to the factory settings. This is particularly helpful if changes have been made that have resulted in the device not functioning optimally.

- Press the Menu button.
- Switch to the Settings menu item and press OK to confirm.
- Select Factory settings and press OK to confirm.
- Then enter the 4-digit PIN code using the numeric keypad on your remote control. The factory default PIN is 0000.
- The device is now reset to the factory settings.

9.10 Version

To check the current software version of the receiver, you can call up the corresponding information via this menu item.

- Press the Menu button.
- Switch to the Settings menu item and confirm with OK.
- Select Version and press OK to confirm.
- The information on the software and hardware version of the device is now displayed.

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10. Multimedia

Your receiver is equipped with a USB 2.0 interface that can be used to connect USB mass storage devices such as a USB stick or an external hard drive. Requirements for the device:

• File format: FAT 32
• Speed for external hard drives: 5400 rpm

ATTENTION!
Depending on the device type, the external USB mass storage device may also need to be supplied with power via a separate power supply unit. Please read the operating instructions for the USB mass storage device used!

Note:
There are considerable differences in the read and write speed of USB storage media, especially USB sticks. These differences depend on the quality of the USB device. Only use USB sticks from brand manufacturers with high speed and sufficient free storage space to avoid recording and playback errors.

Utilisation options:
Using the USB option, you can use your receiver to play music, pictures or films from the connected USB storage device.
You can also save the programme list you have created on a USB storage device. This allows you to restore this programme list to the receiver after a factory reset or if required.

You can also update the operating software of your receiver via the USB interface, provided a new version is available for download at www.telestar.de. The downloaded file is transferred to an appropriate storage medium, which is then connected to the receiver via USB.

10. Multimedia

10.1 Movie

- Press the Menu button.
- Switch to the Multimedia menu item and confirm with OK.
- Use the arrow buttons to select the Film menu item.
- Confirm with OK.
- Then select the path for the file you want to play and press the OK button again.
- You can control the player in USB mode via the USB Media menu.

10.2 Photo

- Press the Menu button.
- Switch to the Multimedia menu item and confirm with OK.
- Use the arrow buttons to select the Photo menu item.
- Confirm with OK.
- Then select the path for the file you want to display and press the OK button.

10.3 Music

- Press the Menu button.
- Switch to the Multimedia menu item and confirm with OK.
- Use the arrow buttons to select the Music menu item.
- Confirm with OK.
- Then select the path for the file you want to play and press the OK button.

ENGLISH

10. Multimedia

10.4 File manager

In this menu, you can format the connected USB storage medium and copy data between connected USB data carriers.

• Press the Menu button.
• Switch to the Multimedia menu item and confirm with OK.
• Select File manager and confirm with OK.
• A window opens in which you can select the desired partition using the arrow buttons.
• You can also specify whether the data carrier should be formatted in NTFS or FAT32.
• To do this, select the corresponding function using the coloured function buttons.
• Confirm the selection with OK.

ATTENTION!
All existing files on the data carrier will be deleted during formatting!

• You will be asked whether you really want to format the data carrier.
• To format, select OK using the arrow buttons. If you do not want to format the data carrier, press the EXIT button.

11. Timer

With the receiver, you have the option of programming a reminder function that switches the receiver to the desired channel at a specific time. This is useful if you want to be reminded of a programme. You have two options for this:
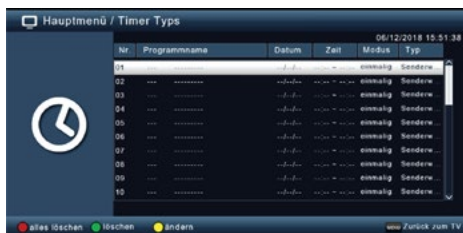
Reminder via the Electronic Programme Guide (EPG):
This is the quickest way to programme a reminder.

Manual timer setting:
You can also set a timer manually to switch the receiver to the desired channel at a specific time.

Date
Enter the date on which the receiver should switch to the selected channel.

Programme name
Select the programme you would like to be reminded of. To do this, press the arrow button on the right in the Programme name line and select the programme to be displayed. Confirm with OK.

Start time
Select the Start time line, press the arrow button on the right and enter the time at which the timer should be activated.

End time
Here you must also first confirm with the right arrow button and then use the numeric keypad on the remote control to enter the time at which the timer should end.

Mode
Set whether the timer should be executed once, daily or on a specific day.

Type
Select Change channel to switch the receiver to the selected channel at the set time. This function serves as a reminder without starting a recording.

When you have made all the entries, exit the timer menu by pressing the OK button. The entries are saved and the timer is activated. The receiver will switch to the programmed channel at the desired time.

12. Operation

Once you have connected the device via the mains plug and connected it to both the LNB and the TV set, the red power LED on the front of the device lights up. The device is now in standby mode.

12.1 Switching on / off

· Press the On/Standby button on the device or on the remote control. After about 10 seconds, the receiver boots up and starts with the last programme set.
· Press the button again to switch the device back to standby mode.

12.2 Programme selection

12.2.1 Using the programme up/down buttons

Change the programmes using the up/down arrow buttons on the receiver or on the remote control to move up or down one programme position at a time.

12.2.2 Using the numeric keypad

Enter the desired programme number using the numeric keypad.

Example:
· 1 for programme position 1
· 1, then 4 for programme position 14
· 2, then 3, then 4 for programme position 234

If you enter multi-digit programme numbers, you have about 2 seconds after pressing a button to complete the entry. If you only want to enter a one or two-digit number, you can speed up the switching process by pressing the OK button after the last digit.

12. Operation

12.2.3 Programme selection via programme list

To make it easier to find the individual pro-
grammes, your device offers a programme
list overview.

- Press the OK button while the programme is running. The list of programmes appears.
- You can now use the up/down arrow buttons in increments of one and the right/left arrow
  buttons in increments of eight to select the desired programme and confirm with OK. The pro-
  gramme list is hidden again by pressing the OK button or the EXIT button again.

Note:
The device can only display programmes if the satellite system is designed to receive the res-
pective satellite positions. The standard satellite position for receiving most German-language
programmes is Astra 19.2 degrees East. If you also want to receive other satellite positions, a
search must be carried out.

12.2.4 Programme selection via extended programme list

Press the red function button to call up the extended programme list.
In this view, you can view the programme positions and scroll through the programme list using
the up/down/left/right arrow buttons. Various programme sorting options are also available to
you:

- Press the red function button in the extended channel list to display the channels sorted by
  satellite.
- Press the green button to call up your own favourites lists
- Press the yellow function key to search for a specific programme using a virtual keyboard.
- Press the blue function key to sort the programmes according to the encryption system.
- Press the EXIT button to exit the extended programme list and return to TV or radio mode.

12. Operation

12.2.5 Call up a programme in a favourites list

· Press the OK button while the programme
  is running to call up the programme list.
· Press the green button.
· Select a favourites list from which you
  would like to display the channels.
· Confirm with OK.

The favourites list you have created is now
displayed.

12. Operation

12.3 Infobox

After each programme change, an info box with the programme properties is displayed for a short time, e.g. programme position, programme name, title of the current programme and title of the following programme. Other programme properties, such as teletext and the availability of EPG data, are also displayed.

・ You can also call up the info box at any time by pressing the INFO button.
・ Press the EXIT button to hide the info box again.

12.4 Further programme information

・ Press the INFO button to display the info box.
・ If you press the INFO button again, you will receive additional information about the current programme.
・ To read longer information texts, navigate up or down in the text window using the arrow buttons.
・ Press the EXIT button to return to normal operation.

12.5 Volume control

You have the option of controlling the volume of your receiver directly. This makes it easier to use, as you can control all the important functions with a single remote control and are less reliant on your TV remote control. After switching on the receiver, the sound is played back at the last set volume.

・ Increase the volume of the receiver using the right arrow button and decrease the volume using the left arrow button.
・ The sound is muted by pressing the „Sound on/off" (mute) button. Press this button again to switch the sound back on.

12. Operation

12.6 TV/Radio switching

In addition to television programmes, pre-programming also includes radio programmes.

· Press the „NAV" button on the remote control, select „Radio" and confirm with OK.
· The receiver will now automatically switch to the last radio programme you listened to.
· In radio mode, the programmes can be selected in the same way as in TV mode.

To return to the TV programmes, press the „NAV" button, select „TV" and confirm with OK.

Note:
You can also switch between TV and radio reception by pressing the „TV/R" button on the remote control.

12.7 Dolby Digital

The receiver supports Dolby Digital sound. If a programme is broadcast in Dolby Digital format (AC3), you can activate the sound in AC3 mode.

To play the programme in Dolby Digital format (AC3), proceed as follows:

Press the Audio button. The „Audio" screen will appear. If the programme is being broadcast in AC3 format, you can use the up and down arrow buttons to select AC3 mode and confirm with OK. You will then hear the program- me in 5.1-channel Dolby Digital sound. Please note that when AC3 mode is activated, the analogue sound can be switched off or turned down via the Scart socket or the analogue audio output.
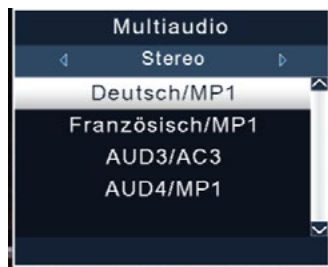
12. Operation

12.8 Return to the last set programme

· Press the OPT button.
· Select the Last viewed field and press OK to confirm.
· Press the OK button again to display an overview of the most recently selected programmes.
· Select the desired programme and press OK to confirm.
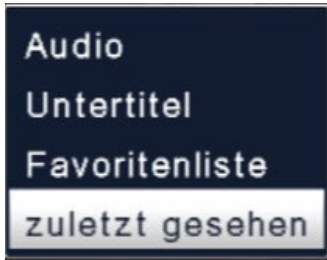
12.9 Teletext

If broadcast, you can use the integrated teletext decoder to display the teletext information of the individual programmes.

· Switch on the programme from which you want to view teletext information.
· Press the TXT button to switch on teletext.
· Use the numeric keypad to enter the desired teletext page. Your entry is displayed in the top left-hand corner of the screen.
· After you have entered the desired teletext page, your device will search for this page.

As the teletext pages cannot all be transmitted at the same time, it may take a few seconds for your device to find the page and display it on your TV screen. For all teletext operators, page 100 is the contents page.

· Use the up/down arrow keys to scroll forwards or backwards one page.
· Press the EXIT button to return to normal operation.

12. Operation

12.10 Subtitle

Einige Programmanbieter senden bei diversen Sendungen Subtitles from. To switch on the subtitle overlay function, proceed as follows:

· Press the OPT button.
· Use the up/down arrow buttons to switch to the „Subtitles" field and press OK.
· In the bottom line, you can select the language using the left/right arrow buttons.

Note:
Only the languages broadcast by the broadcaster are available. This function is only available if subtitles are actually being broadcast. Please note that the setting is reset after a programme switchover.

12.11 Electronic Programme Information EPI

Some programme providers broadcast subtitles for various programmes. To switch on the subtitle display function, proceed as follows:

· Press the EPI button on the remote control while the programme is running to display the electronic programme guide. The programme name and the title of the current programme are displayed. It may take a few seconds for the EPI information to be displayed after a programme change.

· Use the arrow buttons to highlight a programme and press the INFO button to view detailed information.

· The EPI data is available for the next 7 days. Change the date with the blue (next day) or yellow (previous day) function button.

· Press EXIT to return to TV mode.
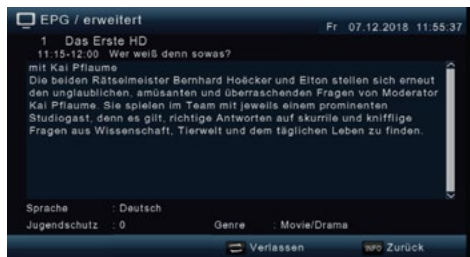
12. Operation

12.12 Sleeptimer

The receiver has a sleep timer that can be used to set an automatic switch-off time.

· Press the OPT button.
· Switch to the „Sleep timer" line and confirm with OK.
· Select the desired time after which the appliance should switch off. To do this, press the OPT button until the desired time is displayed.
· Press EXIT to accept the setting.

Favoritenliste
zuletzt gesehen
Zoomen
Schlaf-Timer

50 Min

12.13 Zoom function

You can enlarge the picture content during TV operation, e.g. to make fonts and overlays easier to read.

· Press the OPT button.
· Switch to the „Zoom" line and confirm with OK.
· Press the OPT button several times to gradually enlarge the image.
· Press EXIT to exit the zoom function.

Untertitel
Favoritenliste
zuletzt gesehen
Zoomen
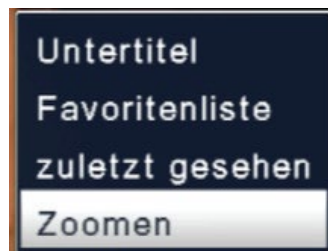
12. Operation

12.14 Programme lists

If you have changed the order of the programmes or deleted or added channels from the list, you can save these changes on a USB data carrier. This allows you to transfer the data to another device of the same series or restore it to the receiver after a factory reset.

12.14.1 Saving the programme list to USB

This menu item allows you to save a programme list on a USB data carrier. To do this, proceed as follows:

· Connect a USB data carrier to the device. Please also observe the notes on USB data carriers.
· Press the menu button.
· Switch to the Settings menu item and confirm with OK.
· Select Software update and press OK to confirm.
· Select Software update via USB and press OK to confirm.
· Press the blue button to save the programme list to the USB data carrier.
· A backup of the programme list is created and saved as a file.

12.14.2 Loading the programme list via USB

You can restore a saved programme list to the receiver under the menu item Programme lists. To do this, proceed as follows:

· Schließen Sie einen USB-Datenträger an das Gerät an. Beachten Sie dabei auch die Hinweise zu USB data carriers.
· Press the Menu button.
· Switch to the Settings menu item and confirm with OK.
· Select Software update and press OK to confirm.
· Select Software update via USB and press OK to confirm.
· Open the folder on the storage medium in which the desired programme list was saved.
· Note: The file has the extension .bin.
· Select the file using the up/down arrow buttons and confirm with OK.
· The saved programme list is now loaded automatically.

ATTENTION!
Do not disconnect the USB storage medium from the receiver under any circumstances during the saving or charging process!

13. Troubleshooting

Symptom	Possible causes	Remedy
No picture, no sound, display and LED do not light up	No mains voltage	Check mains cable and plug
No reception for programmes that were previously OK	Antenna misaligned or defective	Check antenna
	Programme is transmitted on another transponder	Carry out search run
	Programme is no longer transmitted	None
Antenna cannot be rotated	Motor not DiSEqC 1.2 compatible	Use a suitable motor
Various programmes are not displayed in the programme list	Wrong programme list selected	Select another programme list
Ton OK, kein TV- Bild	Radio mode switched on	Switch to TV operation
Programmes such as DMAX via satellite are disrupted	Interference from „DECT telephones" (radio telephones)	Increase the distance between the receiving station and receiver
Device cannot be operated	Defective data stream => Device blocked	USB storage medium reconnect, if necessary. Check power connection
USB functions cannot be operated	USB storage medium not connected	USB storage medium reconnect, if necessary. Check power connection
In the picture, square square blocks appear in the picture. The device occasionally switches to still image, no sound. The screen occasionally displays „no signal".	Heavy rain or snow	Remove snow from mirrors
	Antenna incorrectly aligned	Re-align the aerial
	There is an obstacle between the mirror and the satellite (e.g. a tree)	Mirrors with „clear view" mounted
No picture, no sound, display and LED illuminated	Short circuit in the LNB supply line	Switch off device, eliminate short circuit, put device back into operation
	Defective or missing cable connection	Check all cable connections
	Defective LNB	Replace LNB
	Antenna incorrectly aligned	Re-align the antenna

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14. Specifications

General data	
Reception	DVB-S / -S2
Input frequency range	950 - 2150 MHz
Input level range	-65 dBm ... - 25 dBm
Input/output impedance	75 Ohm
Video compression	MPEG-4,264, MPEG-2, Up to MP@ML
Video standard	PAL / NTSC
Active picture area	480i, 576i, 576p, 720p, 1080i
Picture format	16:9, 4:3 LB, 4:3 PS
Audio compression	MPEG-1 & MPEG-2 Layer I and II
LNB current	500 mA max. (short-circuit proof)
LNB voltage	13 V vertical / 18 V horizontal
DiSEqC	DiSEqC 1.0 and DiSEqC 1.2
Video codec	MPEG 2/ MPEG 4
Audio codec	MPEG 1 Layer 2
Connections	
LNB tuner	1x
HDMI output	1x
Scart output	1x
USB connection	1x
SPDIF digital optical	1x
Power supply	
Power supply unit	AC 100 - 240 V, 50-60 Hz
Power consumption during operation	max. 8 watts
Power consumption in standby mode	≤ 0.5 watt
Logistical data	
Dimensions	180 x 40 x 100 mm (W/H/D)
Weight	290 g

15. Conformity information

Megasat Werke GmbH hereby declares that the following devices are in compliance with the essential requirements and other relevant provisions of Directives 2014/30/EU (EMC), 2014/35/EU (LVD) and 2014/53/EU (RED):

Megasat HD 601 V5   (item no. 0201156)

The declaration of conformity for these products is available from the company
Megasat Werke GmbH, Brückenstraße 2a, D-97618 Niederlauer

You can download the declaration of conformity from our homepage:
www.megasat.tv/support/downloads

Notes