# User Manual

## **VIOLA** 200

Portable DAB+/FM radio




TechniSat

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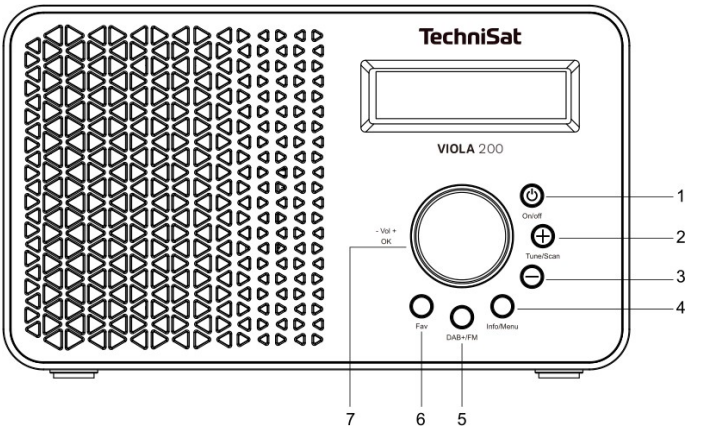
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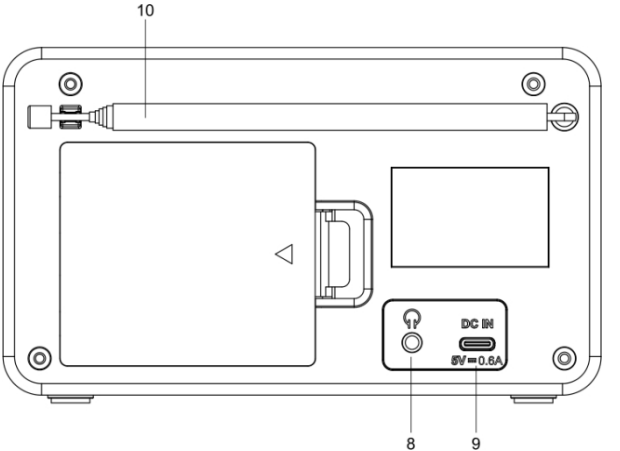
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## 2 Illustrations



1 **Switching on/off** (standby)
2 **Tune +** Increase value/Menu selection
3 **Tune** – Decrease value/Menu selection
4 **Info/Menu** to change the display/access the main menu
5 **DAB/FM** button to change mode
6 **FAV** Favourites memory
7 **Volume +/-** (turn)/**OK** (press)
8 **Headphone jack**
9 **USB-C power supply socket**
10 **Telescopic antenna**

## 2.1 Rear view



## 3 Safety instructions

### 3.1 Characters and symbols used

**In this user manual:**



Indicates a safety warning which, if ignored, may result in serious injuries or death. Please pay attention to the following signal words:

**DANGER** – Serious injury or death

**WARNING** – Serious injury, possibly fatal

**CAUTION** – Injury



Indicates a note that you must observe to prevent device faults, data loss or misuse, or unintended operation. It also describes additional functions of your device.



Warning: electrical voltage. Follow all safety instructions to avoid electric shock. Never open the device.

**On the device:**



Indoor use only – Devices bearing this symbol are suitable for indoor use only.



Protection Class II – Protection Class II electrical appliances are those that have continuous double and/or reinforced insulation and do not have any connection points for a protective earth conductor. The casing of a Protection Class II electrical appliance enclosed in insulating material may form part or all of the additional or reinforced insulation.



Your appliance bears the CE mark and complies with all relevant EU standards.



Electronic devices/equipment must not be disposed of with household waste, but must

- disposed of properly in accordance with Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment. At the end of its useful life, please hand this appliance in for disposal at the designated public collection points. Batteries must be removed from the appliance before disposal and disposed of separately from the appliance.



Please observe all instructions and safety warnings in this user manual. Keep the user manual in a safe place for future reference. Pass the user manual on to the buyer if you sell the product.

⎓ DC symbol. This appliance is powered by direct current and/or converts alternating current to direct current.

Ⓥ Ⓘ Energy efficiency of external power supplies (DoE Level).

## 3.2 Intended use

The VIOLA 200 is designed for receiving DAB+/FM radio broadcasts. The device must only be operated with the accessories supplied (power supply unit, antenna, etc.)
. Any other use of these accessories is not permitted. The device is designed for private use and is not suitable for commercial purposes.

## 3.3 Safe handling of the product

Please observe the instructions listed below to minimise safety risks, prevent damage to the device and help protect the environment.
Please read all safety instructions carefully and keep them for future reference.
Always follow all warnings and instructions in this user manual and on the back of the device.

**⚠ WARNING!**

Never open the device!
Touching live parts is life-threatening!

**WARNING!**

Risk of suffocation! Do not leave the packaging or any of its parts within the reach of children. Risk of suffocation from plastic film and other packaging materials.

Please observe all the following instructions to ensure the device is used as intended and to prevent device faults and personal injury.

- Do not attempt to repair the appliance yourself. Repairs must only be carried out by trained specialist staff. Please contact our customer service centres.
- The appliance must only be operated under the specified environmental conditions.
- Do not expose the appliance to dripping or splashing water. If water has entered the appliance, disconnect it from the mains and contact the service department
- Do not expose the appliance to heat sources that cause it to heat up beyond normal operating temperatures.

- In the event of any noticeable fault, the presence of odours or smoke, significant malfunctions, or damage to the housing, contact the service department immediately.
- The device must only be operated at the mains voltage printed on the type plate. Never attempt to operate the device at a different voltage. Use only the original mains adaptor supplied.
- As this appliance is disconnected from the mains by unplugging the mains adaptor, it is essential that the mains adaptor is easily accessible at all times.
- If the device or the mains adaptor is damaged, it must not be put into operation.
- Do not operate the device near baths, showers, swimming pools or running/splashing water. There is a risk of electric shock and/or damage to the device.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or

a lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or have been given instructions on how to use the appliance. Never allow children to use this appliance without supervision.

- It is prohibited to carry out any modifications to the appliance.

### 3.3.1 Legal notices

TechniSat hereby declares that the VIOLA 200 radio equipment model complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following web address:

hGp://konf.tsat.de/?ID=25082

TechniSat shall not be held liable for damage to the product resulting from external influences, wear and tear, improper handling, unauthorised repairs, modifications or accidents.

Subject to changes and printing errors. As at 01/24.
Reproduction and distribution are permitted only with the publisher's authorisation. The latest version of the manual is available in PDF format in the downloads section of the TechniSat website at www.technisat.de.

VIOLA 200 and TechniSat are registered trademarks of:

**TechniSat Digital GmbH**
TechniPark
Julius-Saxler-Straße 3
D-54550 Daun/Eifel
www.technisat.de

### 3.3.2 Service information

This product has been quality-tested and comes with the statutory warranty period of 24 months from the date of purchase. Please keep your receipt as proof of purchase. In the event of a warranty claim, please contact the retailer from whom you purchased the product.

Please note!

For enquiries and information, or if you encounter a problem with this device, please contact our technical helpline:

Mon–Fri 8:00–18:00 on tel.:
03925/9220 1800.

Repair requests can also be submitted directly online at[www.technisat.de/reparatur](http://www.technisat.de/reparatur) .

If you need to return the device, please use only the following address:

TechniSat Digital GmbH
Service-COK
Nordstr. 4a
39418 Staßfurt

The names of the companies, institutions or brands mentioned are trade marks or registered trade marks of their respective owners.

Images shown are for illustrative purposes only and may differ from the actual product.

## 4 Setting up the device

> Place the unit on a firm, stable and level surface.
Ensure there is good ventilation.

**⚠ Warning!:**

> Do not place the appliance on soft surfaces such as carpets or rugs, or near curtains or wall hangings. The ventilation openings could become blocked. This could disrupt the necessary air circulation, which might potentially lead to a fire.

> Do not place the appliance near heat sources such as radiators. Avoid direct sunlight and areas with excessive dust.

> The appliance must not be placed in rooms with high humidity, e.g. kitchens or saunas, as condensation may cause damage to the appliance. The appliance is designed for use in dry environments and temperate climates and must not be exposed to dripping or splashing water.

> Please note that the device's feet may leave coloured marks on certain furniture surfaces. Use a protective pad between your furniture and the device.

> Keep the VIOLA 200 away from appliances that generate strong magnetic fields.

> Do not place heavy objects on top of the unit.

> If you move the unit from a cold to a warm environment, moisture may condense inside it. In this case, wait for about an hour before switching it on.

> Route the mains cable so that nobody can trip over it.

> Ensure that the mains cable or the mains adaptor is always easily accessible so that you can quickly disconnect the device from the mains!

> The socket should be as close to the device as possible.

> To connect to the mains, plug the mains plug fully into the socket.

> Use a suitable, easily accessible mains socket and avoid using multi-socket adaptors!

> Do not touch the mains plug with wet hands – risk of electric shock!

> In the event of malfunctions or if smoke or odours are emitted from the housing, immediately unplug the mains plug from the socket!

> If the appliance is not to be used for a prolonged period, e.g. before setting off on a long journey, unplug the mains plug.

> If the device is not to be used for a prolonged period, remove the batteries if necessary.

> Excessive volume, particularly when using headphones, can cause hearing damage.

## 5 Description of the VIOLA 200

### 5.1 Contents of the package

Before use, please check that the contents of the package are complete: 1x
VIOLA 200
1x mains adaptor
1x user manual

### 5.2 The special features of the VIOLA 200

The VIOLA 200 consists of a DAB+/FM receiver with the following functions:

- The radio receives signals on the FM frequencies 87.5–108 MHz (analogue) and DAB+ 174.9–239.2 MHz (digital).
- The device features a time and date display.
- 40 favourite presets per reception mode.
- Getting started

## 5.3 Preparing the VIOLA 200 for use

### 5.3.1 Inserting the battery

> Open the battery compartment on the back of the device by pressing the battery compartment cover in the direction of the embossed arrow. Then remove the cover.

> Insert 4 x AA batteries, ensuring they are correctly oriented. The polarity of the batteries is marked on the base of the battery compartment.

> Place the battery compartment cover back on the battery compartment and close it until it clicks audibly into place.

Replace any batteries that are running low in good time.

### 5.3.2 Connecting the mains adaptor

> To do this, connect the plug of the supplied mains adaptor to the socket labelled **'DC 5V'** on the rear of the VIOLA 200. Then connect the mains adaptor to the mains supply.

⚠ Make sure that the operating voltage of the power supply unit matches the local mains voltage before plugging it into the wall socket.

ⓘ Once the power connection has been established for the first time, an automatic DAB+ station scan will be carried out. Please also note the information in section 5.4.1.

### 5.3.3 T Aligning the telescopic antenna

The number and quality of the stations you can receive depend on reception conditions at the installation site. Excellent reception can be achieved with the telescopic aerial.

> Extend the telescopic aerial and pull it out to its full length.

It is important to ensure the telescopic antenna is precisely aligned, particularly in areas on the fringes of DAB+ reception. On the internet, for example, at ‘www.digitalradio.de’ to quickly locate the nearest transmission mast.

Start the first channel scan by standing at a window facing the transmission mast. If the signal is poor, DAB+ reception may be limited.

Do not touch the telescopic antenna whilst a station is playing. This can lead to reception problems and audio dropouts.

### 5.3.4 Use a head

**Hearing damage!**

Do not listen to the radio at high volume through headphones. This can lead to permanent hearing damage. Before using headphones, set the device volume to the minimum level.

Only use headphones with a 3.5-millimetre jack plug.

> Plug the headphone jack into the **headphone socket** on the back of the device. Sound will now be played exclusively through the headphones; the speaker is muted.

> If you wish to listen via the speakers again, remove the headphone plug from the headphone socket on the device.

## 5.4 General device functions

### 5.4.1 Swit ing on

> To ensure good DAB+/FM reception, extend the antenna, which is located on the back of the device, fully. Please also refer to section 5.3.3.

> First, prepare the VIOLA 200 for use as described in sections 5.3.1 and 5.3.2.

> Press the **On/Off** button to switch on the VIOLA 200.

When switched on for the first time, the device automatically performs a full station scan in DAB+ mode. During the scan, the display shows the progress and the number of digital radio stations found. Once the station scan is complete, the first DAB+ programme is played.

### 5.4.2 Switching off the unit

> Press the **On/Off** button briefly to switch the unit to standby . The message **[Standby]** appears briefly on the display. The date and time are shown on the display. However, this increases power consumption in standby mode.
> Pressing and holding the button for a longer period switches the display off completely. This saves power in standby mode and should be used particularly when the device is in the boot.

### 5.4.3 Adjusting the volume

> Adjust the volume using the **Vol +/-** rotary knob. The set volume is shown on the display as a bar graph. Please also refer to section 5.3.4 regarding operation with connected headphones. To increase the volume, turn the knob to the right; to decrease it, turn it to the left.

### 5.4.4 Accessing display options

> Press the **Info**/**Menu** button briefly to cycle through the available display options.

### 5.4.5 Switching between DAB+ and FM modes

> Use the **DAB+**/**FM** button to switch between **DAB+** (Digital Radio) and **FM (UKW)** .

## 6 Menu operation

The menu gives you access to all the functions and settings of the VIOLA 200. You navigate the menu using the **Info**/**Menu**, **Tune +/-** and **OK** buttons.
The menu is divided into sub-menus and contains different menu items or functions that can be activated depending on the mode (DAB+ or FM). To open the menu, simply press and hold the **Info**/**Menu** button briefly. To switch to sub-menus, first press the **Tune +** or **Tune –** buttons to display a sub-menu, then press the **OK** button to open the sub-menu. An asterisk (*****) indicates the current selection.

To close the menu: press the **Info/Menu** button several times (depending on which sub-menu you are in) until the current radio station is displayed again.

Settings are only saved by pressing the **OK** button. If you press the **Info/Menu** button instead, the settings will not be applied or saved (the **Info/Menu** button acts as a 'Back' button in this case).

Functions and the buttons to be pressed are shown in this user manual in **feU**. Display text is shown in **[square brackets]**.

Some text (e.g. menu items, station information) may be too long to fit on the display. In such cases, it will be shown as a truncated version after a short time.

## 7 The DAB+ (Digital Radio) function

### 7.1 What is DAB+

DAB+ is a digital format that allows you to enjoy crystal-clear sound without any static. Unlike conventional analogue radio stations, DAB+ broadcasts multiple stations on the same frequency. For further information, visit, for example, www.dabplus.de or www.dabplus.ch.

### 7.2 DAB+ (Digital Radio) Reception

> Press the **DAB+/FM** button until **[DAB+]** appears on the display.

When DAB+ is started for the first time, a full station search is carried out. Once the search is complete, the first station is played in alphanumeric order.

### 7.2.1 Performing a full scan

The automatic **'Full Scan'** function scans all DAB+ Band III channels and thus finds all stations broadcast within the reception area.

Once the scan is complete, the first station is played in alphanumeric order.

> To carry out a full scan, press and hold the **Tune/Scan +/-** button briefly.

Alternatively:

> Open the menu by holding down the **Info/Menu** button and use the **Tune +/-** and **OK** buttons to select the menu item **[Full Scan]**.

> **[Scan...]** appears on the display.

During the scan, a progress bar and the number of stations found are displayed.

If no station is found, check the telescopic aerial and, if necessary, change the location (section 5.3.3).

### 7.2.2 Manual tuning

This menu option is used to check the reception channels and can be used to align the antenna. If stations are found on the set frequency that have not yet been saved, they will now be saved in the station list.

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune -** buttons to select the **[Manual Tuning]** option, then press **OK**.

> Use the **Tune +** or **Tune -** buttons and **OK** to select a channel (5A to 13F). The display will now show the signal strength for that channel. If a DAB+ station is received on a channel, the station's ensemble name will be displayed.

Stations whose signal strength is below the required minimum signal strength are not transmitting a strong enough signal. If necessary, align the telescopic aerial as described in section 5.3.3.

### 7.2.3 Selecting a station

> To select a **DAB+** station, briefly press the **Tune +** or **Tune** -.

### 7.2.4 Saving a station to a favourite

The favourites memory can store up to 40 stations in the DAB+ band.

> First, select the desired station (see section 7.2.3).

> To save this station to a preset, press and hold the **Fav** button during playback until **[Save Fav]** appears on the display. Then use the **Tune +/-** buttons to select a preset (1–40). Press **OK** to save the station.

> To save further stations, repeat this process.

### 7.2.5 Recalling a station from a favourite memory slot

> To access a station that you have previously saved to the favourites list, **briefly** press the **Fav** button and use the **Tune +/-** buttons to select a station memory slot (1–40). Press **OK** to play the station.

If no station is stored in the selected preset, **[(empty)]** appears on the display.

### 7.2.6 Overwriting/deleting a favourite station

> Simply save a new station to a favourite memory slot as described.

When you restore the factory settings, all preset positions are deleted.

### 7.2.7 Signal strength

> Briefly press the **Info/Menu** button several times until the signal strength is shown on the display as a bar graph.


Current signal strength Minimum signal strength

Stations whose signal strength is below the required minimum signal strength do not transmit a strong enough signal. If necessary, adjust the telescopic aerial as described in section 5.3.3.

### 7.2.8 Volume adjustment (DRC)

The Volume Adjustment menu option is used to set the compression ratio, which compensates for dynamic fluctuations and the resulting variations in volume

> Press and hold the **Info/Menu** button, then use the **Tune +** or **Tune -** buttons to select **[Volume Adjustment]**, then press **OK**.

> Use **Tune +** or **Tune -** to select the compression rate:

**DRC high** - High compression
**DRC low** - Low compression
**DRC off** - Compression disabled.

> Confirm by pressing the **OK** button.

### 7.2.9 Delete inactive channels

This menu option is used to remove old stations and those that can no longer be received from the station list. Stations that can no longer be received are identified following a new station search and marked with a '**?**' in the station list.

> Press and hold the **Info/Menu** button, then use the **Tune +** or **Tune -** to select the option **[Delete inactive stations]**.

> Press **OK**.

You will be prompted to choose **[Yes]** or **[No]** to confirm whether the inactive stations should be deleted.

> Use the **Tune +** or **Tune -** buttons to select **[Yes]** and confirm by pressing **OK**.

### 7.2.10 Channel order

Under **[Station order]**, you can select the order of the stations in the station list. You can choose between **[Alphanumeric]** and **[Group]**.

## 8 FM (UKW) mode

### 8.1 Switch on FM radio mode

> Press the **DAB+/FM** button to switch to FM mode.

> The display shows **[FM]**.



When switched on for the first time, the frequency is set to 87.5 MHz.



If you have already tuned in to or saved a station, the radio will play the last station you tuned into.



For RDS stations, the station name will appear.

To improve reception, adjust the telescopic aerial (section 5.3.3). FM reception with RDS information.

RDS is a system for transmitting additional information via FM stations. Stations with RDS broadcast, for example, their station name or the programme type. This is shown on the display. The unit can display the RDS information **RT** (Radio Text), **PS** (Station Name) and **PTY** (Programme Type).

## 8.2 Auto Scan

The Auto Scan function performs a comprehensive scan and automatically saves the stations found to the favourites list.

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune -** buttons to select **[Auto Scan]**, then press the **OK** button.

The entire FM frequency band is now scanned and the stations found are saved to the favourites list. For more details on retrieving stations from the favourites list, see the section ‘8.6 Retrieving stations from a favourites slot’.

## 8.3 Automatic station search

> Press and hold the **Tune +** or **Tune –** buttons for a few seconds (2 to 3 seconds) to automatically search for the next station with a strong enough signal.

If an FM station with a sufficiently strong signal is found, the search stops and the station is played. If an RDS station is received, the station name and, where applicable, the radio text are displayed.

To tune in to weaker stations, use the manual channel search.

## 8.4 Manual station search

> Press the **Tune +** or **Tune –** buttons briefly several times to tune in to the desired station or frequency.

The display shows the frequency in increments of 0.05 MHz.

## 8.5 Saving a station to a favourite memory slot

The favourites memory can store up to 40 stations in the FM band.

> First, select the desired station.

> To save this station to a memory slot, press and hold the **Fav** button during playback until **[Save Fav]** appears on the display. Then use the **Tune +/-** buttons to select a memory slot (1...40). Press **OK** to save the station.

> To save further stations, repeat this process.

## 8.6 Recalling a station from a favourite memory slot

> To recall a station that you have previously saved to a favourites memory slot, **briefly** press the **Fav** button and use the **Tune +/-** buttons to select a station memory slot (1–40). Press **OK** to play the station.

If no station is stored in the selected preset, **[(empty)]** appears on the display.

## 8.7 Overwriting/deleting a favourite station

> Simply save a new station to a favourite memory slot as described.

When you restore the factory settings, all preset positions are deleted.

## 8.8 Scan settings

In this menu item, you can adjust the sensitivity of the search function.

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune -** to select the **[Scan setting]** option. Press the **OK** button.

> Select whether the scan should stop only at strong stations **[Strong stations only]** or at all stations (including weak ones) **[All stations]**.

If set to **[All stations]**, the automatic scan stops at every available station. This may result in weak stations being received with some noise. During initial set-up and after

resetting to factory settings, the menu option **[Strong stations only]** is preset.

# 9 System settings

All settings described under this heading apply equally to both DAB+ and FM (UKW) operation.

## 9.1 Time and date settings

### 9.1.1 Setting the time and date manually

Depending on the time update setting (section 9.1.2), you may need to set the time and date manually.

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune -** buttons to select the **[System]** option.

> Press the **OK** button.

> Use the **Tune +** or **Tune -** buttons to select the **[Time]** option and press **OK**.

> Use the **Tune +** or **Tune -** buttons to select the **[Set time/date]** option and press **OK**.

> The first digits (hours) of the time will flash and can be adjusted using the **Tune +** or **Tune -** buttons.

The **Tune +** button increases the value; the **Tune -** button decreases the value.

> Press the **OK** button to confirm the setting.

> The next digits (minutes) of the time will then flash and can also be changed as described above.

> After each further setting, press the **OK** button to move on to the next setting.

> Follow the procedure described above to set the date.

> Once all settings have been made and the **OK** button has been pressed for the last time
, **[Time Saved]** will appear on the display.

### 9.1.2 Time update

In this submenu, you can specify whether the time should be updated automatically via DAB+ or FM (UKW) or whether you wish to set it manually (section 9.1.1).

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune -** buttons to select **[System]**.

> Press the **OK** button.

> Use the **Tune +** or **Tune -** buttons to select the **[Time]** option and press **OK**.

> Use the **Tune +** or **Tune -** buttons to select the **[Auto update]** option and press **OK**.

> Use the **Tune +** or **Tune -** buttons and **OK** to select the following options:

**[Update all]** (update via DAB+ and FM) **[Update from DAB]** (update via DAB+ only) **[Update from FM]** (update via FM only)
**[No update]** (Time/date must be entered manually; see section 9.1.1).

### 9.1.3 Set the time format

In the **'Set 12/24-hour'** submenu, you can select either the 12-hour or 24-hour format.

> In the **System > Time** submenu, select **[Set 12/24-hour].**

> Press the **OK** button.

> Use the **Tune +** or **Tune** – buttons to select one of the following options:

**[Set 24-hour]**

**[Set 12-hour]**

> Press the **OK** button to confirm.

### 9.1.4 Set date format

In the **Set date format** submenu**,** you can specify the format in which the date is displayed.

> In the **System > Time** submenu, select **[Set date format].**

> Press the **OK** button.

> Use the **Tune +** or **Tune -** buttons to select one of the following options:

**[DD-MM-YYYY]** (day, month, year)

**[MM-DD-YYYY]** (Month, Day, Year)

> Press the **OK** button to confirm.

## 9.2 Display brightness

You can adjust the display brightness for both normal operation and standby mode.

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune -** buttons to select **[System]**.

> Press the **OK** button.

> Use the **Tune +** or **Tune -** buttons to select **[Backlight]** and press **OK**.

> Use the **Tune +** or **Tune -** buttons to select one of the following functions, then press the **OK** button:

**[Operation]** controls the brightness when the unit is in normal, switched-on mode. Here, you can choose between the brightness levels **[High]**, **[Medium]** and **[Low]**.
Use the **Tune +** or **Tune -** buttons to select a brightness level and press the **OK** button to save your selection.

**[Standby]** adjusts the brightness in standby mode. Here, you can choose between the brightness levels **[High]**, **[Medium]**, **[Low]** and **[Off]**. Use the **Tune +** or **Tune –** buttons to select a brightness level and press the **OK** button to save.

**[Auto-Dimm]** When the Auto-Dimm function is enabled, the display will dim to a low level after a short period of inactivity during operation.

## 9.3 Language

> Press and hold the **Info/Menu** button, then use the **Tune +** or **Tune -** buttons to select **[System]**.

> Press the **OK** button.

> Use the **Tune +** or **Tune -** buttons to select the **[Language]** option and press **OK**.

> Use the **Tune +** or **Tune -** buttons to select one of the available languages and confirm your selection by pressing the **OK** button.

## 9.4 Factory settings

If you move the set to a new location, e.g. when moving house, you may no longer be able to receive the stored channels. In this case, you can reset the set to **its factory settings** to delete all stored channels and then start a new channel search.

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune -** buttons to select the **[System]** option.

> Press the **OK** button.

> Use the **Tune +** or **Tune -** buttons to select the **[Factory settings]** option and press **OK**.

> Use the **Tune +** or **Tune -** buttons to select **[Yes]** to carry out the factory reset, then press the **OK** button.

All previously stored stations and settings will be deleted. The unit is now in its factory-set state.

> **[Restart...]** appears on the display and the device is in standby mode. After switching on, the digital radio automatically performs a full station scan in DAB mode. During the scan, the display shows
shows the progress as well as the number of digital radio stations found. Once the station search is complete, the first DAB+ programme will be played.

## 9.5 Software Version

Under ‘SW Version’, you can check the currently installed software version.

> Press and hold the **Info/Menu** button and use the **Tune +** or **Tune - to select** the **[System]** option.

> Press the **OK** button.

> Use the **Tune +** or **Tune -** buttons to select the **[Software Version]** option and press **OK**.

> The current software version is displayed.

## 10 Software update

You can update the device software via the Software Update option. Software updates may be made available from time to time on the TechniSat website. Please follow the instructions provided with the software update.

## 11 Cleaning

To avoid the risk of electric shock, do not clean the device with a wet cloth or under running water. Unplug the mains plug and switch off the device before cleaning!

Do not use scouring pads, scouring powder or solvents such as alcohol or petrol.

Do not use any of the following substances: salt water, insecticides, chlorine or acidic solvents (ammonia).

Clean the housing with a soft cloth dampened with water.
Do not use methylated spirits, thinners, etc.; these could damage the surface of the device.

Clean the display only with a soft cotton cloth. If necessary, use a cotton cloth with a small amount of non-alkaline, diluted soapy water or alcohol-based solution.

Gently wipe the surface with the cotton cloth.

## 12 Troubleshooting

If the device is not functioning as intended, check it against the following table.

| Symptom | Possible cause/solution |
|---|---|
| The device won't switch on. | The device is not receiving power. Connect the mains adaptor correctly to the socket and to the device. Use new batteries and ensure the polarity is correct. |
| No sound can be heard. | Turn up the volume. |
| The display does not switch on. | Disconnect the device from the mains/briefly remove the batteries and reconnect the device to the mains. |
| Reception via DAB+/FM is poor. | Extend the antenna fully. Change the position of the antenna or the VIOLA 200. |

| Symptom | Possible cause/solution |
|---|---|
| The device cannot be operated. | Disconnect the device from the mains/briefly remove the battery and reconnect the device to the mains. |
| Display backlight flickers | Battery voltage too low. Replace the batteries or connect the mains adaptor. |

If you are still unable to resolve the fault after carrying out the checks described, please contact the technical helpline.

## 13 Technical data / Manufacturer's notes

Subject to technical changes and errors.

| | |
|---|---|
| Reception modes | DAB+, FM |
| External power supply | AC input: 100–240 V, 50/60 Hz<br>DC output: 5 V, 0.6 A, 3 W<br>Batteries: 4 x AA 1.5 V |
| Power consumption (mains operation) | Max. operation: 2.3 W<br>Typical operation (medium volume): 1 W<br>Standby: 230 mW |
| Operating conditions | 0–35°C<br>5–90% relative humidity (non-condensing) |
| Frequencies | FM: 87.5–108 MHz DAB+:<br>Band III 174–240 MHz |
| Audio output power | 1 W RMS (10% THD), |

| | |
|---|---|
| Weight | 280 g (excluding batteries) |
| Dimensions (WxHxD), cm | 15.5 x 9.3 x 5 |

**Technical specifications of the supplied mains adaptor**

| | |
|---|---|
| Manufacturer | TechniSat Digital GmbH, Julius-Saxler-Straße 3, D-54550 Daun |
| Model number | AD0600500600EU |
| Input voltage | AC 100–240 V |
| AC input frequency | 50/60 Hz |
| Output voltage | DC 5.0 V |
| Output current | 0.6 A |
| Output power | 3.0 W |
| Average operating efficiency* | 73.78 % |
| Power consumption at no load* | 0.08 W |

*at 230 V / 50 Hz

## 14 Disposal instructions

The packaging for your device is made exclusively from recyclable materials. Please sort these appropriately and return them to the “Dual System”. At the end of its service life, this product must not be disposed of with normal household waste, but must be taken to a collection point for the recycling of electrical and electronic equipment.

The ‘’ symbol on the product, the user manual or the packaging indicates this.

The materials are recyclable in accordance with their labelling.
By reusing, recycling or otherwise recovering waste electrical and electronic equipment, you are making an important contribution to protecting our environment.



Please contact your local council to find out which organisation is responsible for waste disposal. Please ensure that empty batteries and electronic waste do not end up in household rubbish, but are disposed of correctly (returned to specialist retailers or treated as hazardous waste).



**Disposal instructions:**

Disposal of packaging:

Your new appliance was protected by its packaging during transit to you. All materials used are environmentally friendly and recyclable.
Please do your bit and dispose of the packaging in an environmentally friendly manner. For information on current disposal options, please contact your retailer or your local waste management authority.

⚠ Risk of suffocation! Do not leave the packaging or any of its parts within reach of children.

Choking hazard from plastic film and other packaging materials.

Disposal of the appliance:

Old appliances are not worthless waste. Valuable raw materials can be recovered through environmentally sound disposal. Please enquire at your local council or municipal authority about options for the environmentally sound and proper disposal of the appliance.

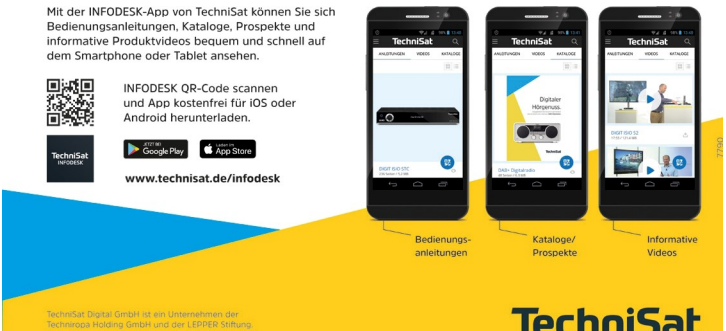
ⓘ This appliance is labelled in accordance with Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). 

⚠ At the end of its service life, this product must not be disposed of with normal household waste, but must be taken to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, the user manual or the packaging indicates this. The materials are recyclable in accordance with

their labelling.

By reusing, recycling or otherwise recovering waste equipment, you are making an important contribution to protecting our environment.

# Everything about your TechniSat product in one document.




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