

TechniSat

Manual

DigitRadio 210

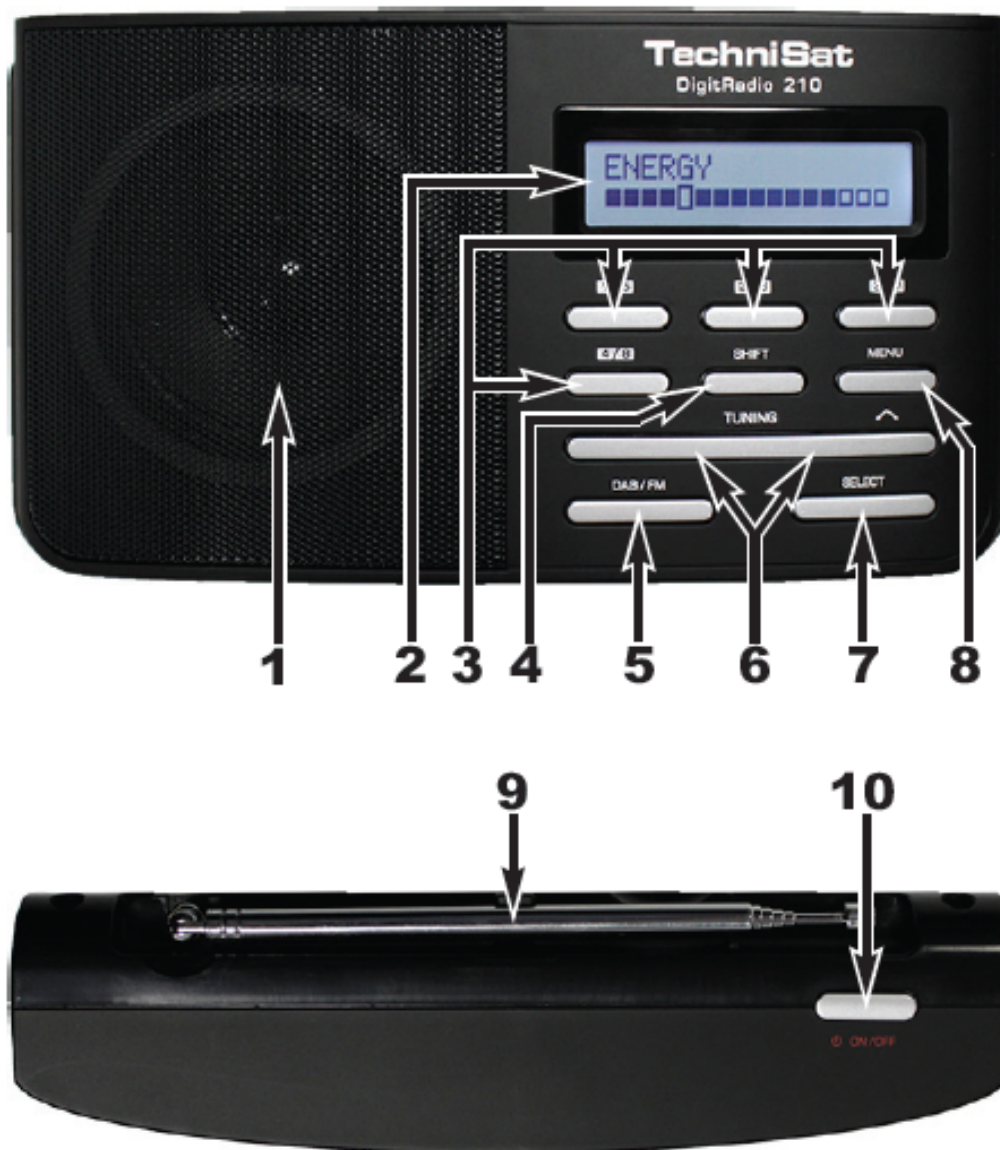


DAB/DAB+ radio

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1 loudspeaker

2 display

3 channel buttons

4 shift

5 DAB/FM

6 tune up/down

7 select

8 menu

9 telescop antenna

10 On/Off

11 pillar

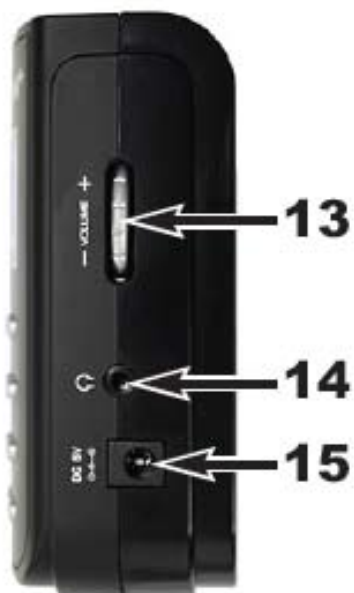
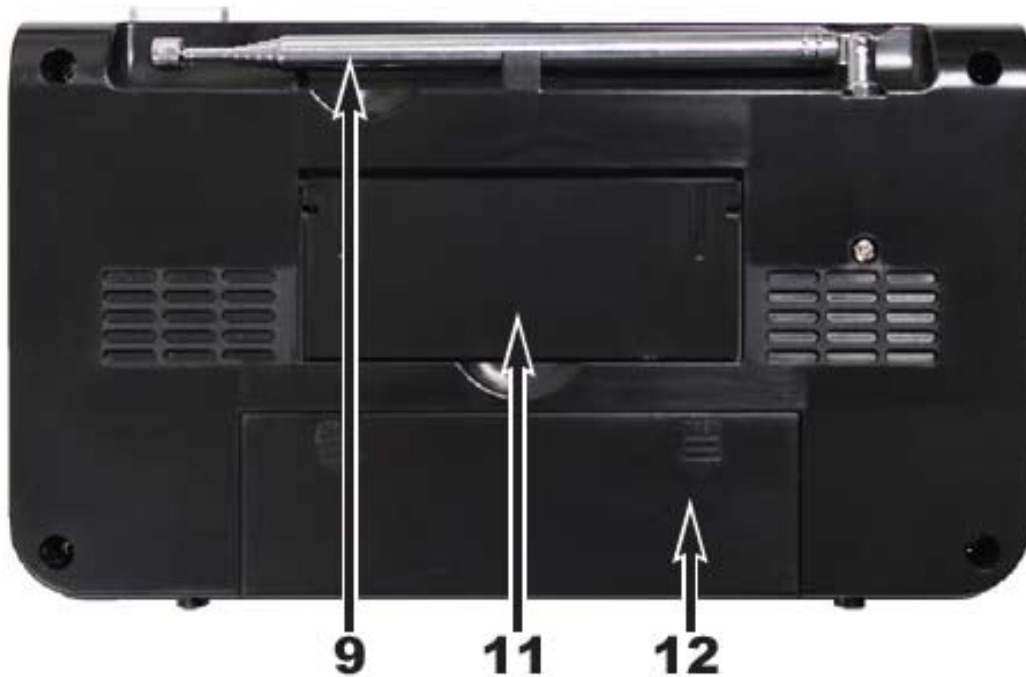
12 batteries

13 volume

14 headset jack

3.5 mm

15 DC Buchse



Package Contents Please make sure that all items shown below are available :

- DAB / DAB FM Clock Radio with telescop antenna,
- Power Supply, 6V, 500 mA,
- Manual.

Safety of the appliance

Please read all the safety instructions carefully and save this manual for future reference. Always follow all warnings and instructions in this manual and on the back of the device.

Security

- The device should be connected only through the AC adapter to a mains voltage of 230 V, 50 Hz power. Never attempt to operate the unit with a different voltage.
- If the power supply of the device is defective or if the device has other damage, it should not be put into operation.
- Do not touch the AC adapter with wet hands, an electric shock can cause!
- Never allow unsupervised children to use this unit.
- To avoid fire hazard and the risk of electric shock, do not expose the unit to rain or moisture.
- Do not use the appliance near a bathtub, etc. or splash water during operation.
- If you move the unit from a cold to a warm location, moisture may condense inside the unit. You should wait in this case, for about an hour before you take operate it again.
- Should any solid object or liquid fall into the unit, unplug the AC adapter from the outlet. Have the unit checked by qualified personnel before you use it again. Otherwise there is a risk of electric shock.
- Never attempt to repair a defective product yourself.
- Do not open the housing. Otherwise there is a risk of electric shock.
- Do not insert any foreign objects inside the machine.
- The device remains connected to the mains even when switched off (standby).
- Unplug the AC adapter from the wall outlet when not using the unit for an extended period of time.
- Do not touch the terminals on the rear panel with metal objects.
- High volume, especially when using headphones can cause hearing loss.

Setting up the device

- Set the equipment on a solid, secure and horizontal ground
- Ensure good ventilation.
- Place the unit on a soft surfaces like carpets, blankets, or near curtains, draperies.
- The device should not be concealed by curtains, blankets or newspapers
- Do not install the unit near heat sources such as radiators. Avoid direct sunlight and places with excessive dust.
- Do not place heavy objects on the device.
- Do not place the unit near devices that generate strong magnetic fields.

Disposal

Risk of suffocation

- Risk of suffocation due to the Packaging and its parts for children.

Disposal of packaging

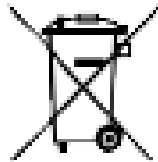
- The packaging of your device consists entirely of recyclable materials. Please follow these sorted according to the “Dual System”.



- About current means of disposal contact your dealer or at your community waste facility.

Disposal of the appliance

- Old appliances are not worthless rubbish. By recycling valuable raw materials can be recovered. Check with your municipal or local government options for environmentally - friendly disposal of the device.



- This appliance is marked according to the Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).
- This product may not, at the end of his life be disposed via the normal household waste, but should be taken to a collection point for recycling of electrical and electronic equipment.
- The symbol on the product, user manual or packaging indicates the recycling of the product. The materials are recyclable according to their labeling. With the reuse, recycling or other forms of utilizing old devices, you are making an important contribution to protecting our environment.

Guidelines and standards

- This product meets guidelines and standards
 - the Low Voltage Directive (2006/95/EC),
 - the EMC Directive (2004/108/EC) and the
 - CE Mark Directive. Your unit carries the CE mark and complies with all relevant EU standards.



Properties of the device

The DAB + digital radio is a new digital format, through which you can hear crystal clear sound in CD quality.

The radio receives on FM frequencies 87.5-108 MHz (analog) 174.9 to 239.2 MHz and DAB (digital).

You can save 10 station on favorite program places the DAB or FM mode.

The display has a light. This can be activated at different stages (see display illumination).

Preparing the device for operation

Connect the device with the supplied AC adapter to the mains (230 V ~ / 50 Hz).

>To bring power to the device, the cable of the AC adapter needs first be connected into the DC 6V (page 5 # 5) on the unit and then plug the power adapter into the socket 230 V ~ / 50 Hz plug.

>After the initial installation of the network connection temporarily “ Welcome to digital radio “ appears.

Please unplug the AC adapter from the outlet when not in use, prolonged absence or thunderstorms.

Improve antenna reception

The number and quality of received stations depends on the reception conditions at the installation site. With the wired antenna an excellent reception can be achieved. This antenna must be aligned in full to get the best reception.

Usage of headphones

Using headphones may damage your hearing!

Do not listen to the radio at high volume through headphones. This can lead to permanent hearing damage. Before using headphones adjust the sound volume to the minimum level if you (not supplied) to connect a pair of headphones, the internal speaker is muted.

>Use only headphones with 3.5mm stereo plug.

>Plug the headphones into the headphone jack of the device. The sound reproduction is now done exclusively through the headphones.

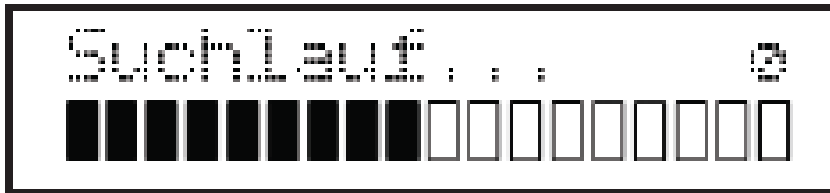
>If you want to listen through the speakers again, unplug the headphones from the headphone jack of the device.

Switching the device on/off

> You push the device push on or off by pressing **ON/OFF (10)**.

Initial use

When you use the device for the first time, as well as after calling the factory setting and switching on again, the channel search for DAB radio stations starts automatically. During scanning, the display shows the progress of information and the number of radio stations found.



After completion of the station search, the first station is displayed in alphanumeric order and played back automatically.

Note :

If no stations are found, no signal could be received. In this case change the location of the device and / or the position of the wire antenna and run the scan channels again.

Volume adjustment

- > Rotate to adjust volume +/- (13) the desired volume.
- clockwise -> louder
- counterclockwise -> lower

Select DAB-/UKW-Betrieb

> **Push the button DAB/FM (5)** to switch between DAB mode and FM mode. During the change from one mode to the newly selected mode will appear below the big time.



After changing only the small DAB or the FM logo is displayed right next to the time.

DAB mode

What is DAB?

DAB is a new digital format, through which you can hear crystal clear sound in CD quality. DAB Broadcast a high-speed data stream in the radio channel. In difference to conventional analog radio DAB transmits multiple channels on the same transmitter. This is called ensemble or multiplexes. An ensemble consists of the radio station as well as several service components or data services, which are sent individually by the radio stations. Learn e.g. under www.digitalradio.de or www.digitalradio.ch.

Data compression

Digital radio uses the of advantages of human hearing. The human ear does not perceive sounds that are below a certain minimum level. Data which are under the so-called threshold in quiet can be filtered out. This is possible because in a digital data stream for each information unit, the corresponding relative volume is also saved for other units. In addition in a sound signal, the quieter portions are overlapped by the louder for a given threshold. All the sound information in a piece of music that are below the so-called hearing threshold can be filtered out of the signal to be transmitted. This leads to a reduction of the transmitted data stream, without any noticeable difference in sound to the listener (MUSICAM) process.

Audio Stream

Audio streams are continuous data flows, MPEG 1 Audio Layer 2 frames contain and thus represent acoustic information in digital radio. Thus, familiar radio programs can be transferred and listen at the receiver side. For Digital radio the MUSICAM format is used, which provides two MPEG compliant PADs. This is referred to as PAD data services. Digital Radio brings you not only radio wit for additional data. The excellent Digital radio does not only offer perfect sound quality but also additional information. This may relate to the current program (eg title, artist) or might be independent (eg, news, weather, traffic tips).

Automatic Search

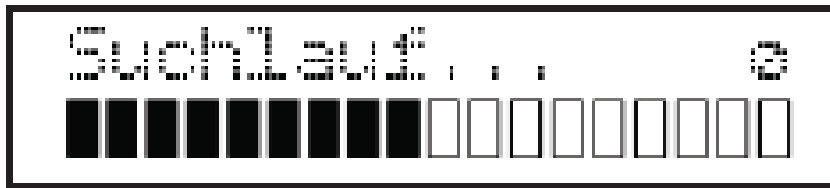
As described in the initial installation the unit restarts automatically at the first start to search for DAB programs. This automatic search can also be restarted manually without having to revert to the factory setting.

>To open the menu, press **Menu (8)**.

>**Push Tune up/down (6)** until you have reached the menu point **Full Scan**.



> Now press **Select (7)** to start the search.



After completion of the station search the last played radio station will be played.

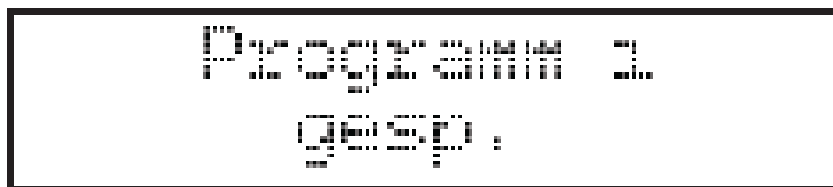
Select radio programm

> Push **Tune up/down (6)** until the desired radio station is displayed.

> Press **Select (7)** to switch to the selected radio station.

Save Favorites

> To save a channel or station at a favorite memory place, push and hold the corresponding **channel button (3)** till the display shows, that the channel is stored.



> For the favorite memories 5-8 keep the **shift (4)** button hold and push and hold the corresponding **channel button (3)**.

Choose Favorites

> Push the corresponding channel button (3) to choose the current stored channel.

> For the favorite memories 5-8 keep the **shift (4)** button hold and push and hold the corresponding **channel button (3)**.

DRC (data compression)

The compression rate compensates varying dynamics and the associated volume variations.

> Open the menu by pressing the **Menu (8)**.

> Push **Tune up/down (6)** until you have reached the point **DRC**.



> Press **Select (7)**.



> Select the desired DRC mode (off, low or high) - when pushing **Tune up/down (6)**.

DRC High - High Compression

DRC deep - low compression

DRC off - no compression

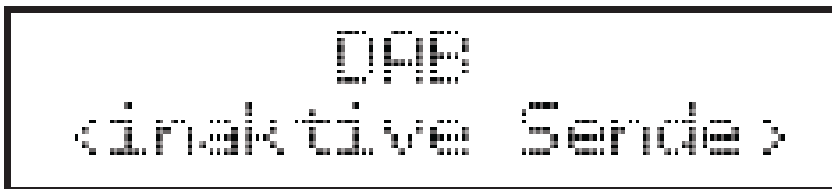
> Confirm by pressing **Select (7)**.

Remove inactive channels

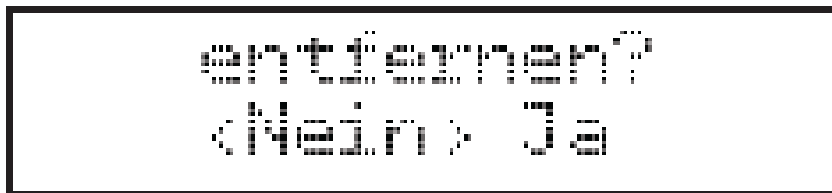
You can remove inactive / not available stations that appear in your channel list.

> To open the menu, press **Menu (8)**.

> Push **Tune up/down (6)** until you have reached the point inactive stations.



> Now press **Select (7)**.



> Select by pushing **Tune up/down (6)**:

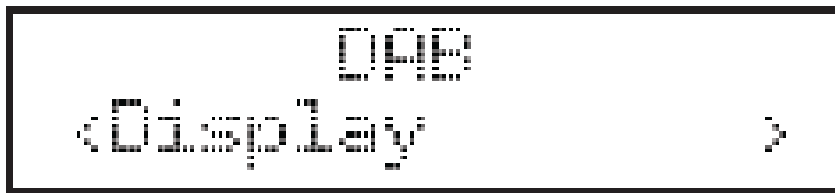
- Yes, if you remove the transmitter
- No if you want to cancel.

> Confirm your selection by pressing **Select (7)**.

Display

> Open the menu by pressing the **Menu (8)**.

> Push **Tune up/down (6)** until you have reached the point **display**.



> Press **Select (7)**.

> Select by pushing **Tune up/down (6)** the display, which will be shown in the bottom line and press **Select (7)** to confirm.

- Signal strength - Signal strength
- Program type - PTY
- Ensemble - Ensemble, to which the radio belongs
- Frequency - Frequency at which the radio station is transmitted
- Signal quality - signal quality at
- Codec and bitrate - bitrate and encoding of the data transmission
- Date - the current date
- Scrolling text - text transmitted by the radio station, such as Title / Artist

FM mode

Automatic Tuning

> Press **Tune up/down (6)** for approx 2 seconds to search automatically for the next station and play.

Please refer to the setting in the point - **search settings**. Depending on the setting and reception quality at the site either stations may be skipped or very poorly reproduced. In this case try to align the wired antenna differently and/or change the search setting.

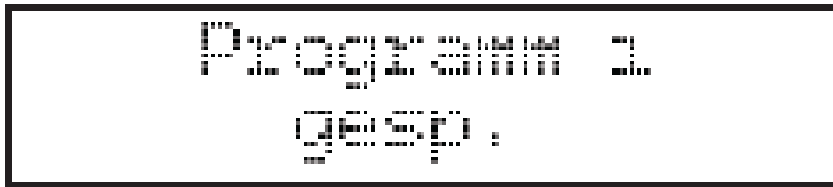
Manual Tuning

> Push **Tune up/down (6)** as long as the frequency of the desired station appears.

After a moment, the station will be played and the channel and program information will appear in the display in case of transmission from the station.

Save favorites

> To save a channel or station at a favorite memory place, push and hold the corresponding **channel button (3)** till the display shows, that the channel is stored.



> For the favorite memories 5-8 keep the **shift (4)** button hold and push and hold the corresponding **channel button (3)**.

Choose Favorites

> Push the corresponding channel button (3) to choose the current stored channel.
> For the favorite memories 5-8 keep the **shift (4)** button hold and push and hold the corresponding **channel button (3)**.

Display

> Open the menu by pressing the **Menu (8)**.
> Push **Tune up/down (6)** until you have reached the point display.



> Press **Select (7)**.
> Select by pushing **Tune up/down (6)** the display, which will be shown in the bottom line and press enter to confirm **Select (7)**.

- Radio text - text transmitted by the radio station, such as Title / Artist
- Program type - PTY
- Ps - Station name
- Audio info - Stereo/Mono
- Time - current time
- Days - the current date

Scan Settings

> To open the menu press **Menu (8)**.
> Push **Tune up/down (6)** until you have reached the point **scan setting**.



> Now press **Select (7)**.

The image shows a monochrome LCD display with a black border. The text is arranged in two lines: the top line reads 'Suchlauf-Einstell' and the bottom line reads '<Nur kräftige S>'. The characters are in a simple, pixelated font.

>Push **Tune up/down (6)** for choosing whether the automatic channel scan should stop for each channel (**all channels**) or only for stations with strong signal level (**Only strong stations**).

Note, very poorly reproduced that occur depending on the setting, either transmitter or skipped that.

Audio Setup

>Open the menu by pressing the **Menu (8)**.

>Push **Tune up/down (6)** until you have reached the point **audio setting**.

The image shows a monochrome LCD display with a black border. The text is arranged in two lines: the top line reads 'FM' and the bottom line reads '<Audio-Einstell>'. The characters are in a simple, pixelated font.

>Now press Select **(7)**.

The image shows a monochrome LCD display with a black border. The text is arranged in two lines: the top line reads 'Audio-Einstellung' and the bottom line reads '<Stereo möglich>'. The characters are in a simple, pixelated font.

>Push **Tune up/down (6)** to choose whether the sound should be played exclusively in mono (mono only) or, if available, also in stereo (Stereo Audio).

If the sound is reproduced noisy, so **the selection of mono only** lead to a reduction of the noise.

Language

>Open the menu by pressing the **Menu (8)**.

>Push **Tune up/down (6)** until you have reached the point **Language / Select (4)**.

The image shows a monochrome LCD display with a black border. The text is arranged in two lines: the top line reads 'DAB' and the bottom line reads '<Sprache>'. The characters are in a simple, pixelated font.

>Now press **Select (7)**.



Sprache
<Deutsch>

- > Rotate **Tune up/down (6)** to choose the desired operating language (German, English, Italiano or Francais).
- > Confirm by pressing **Select (7)**.

Factory setting

- > Open the menu by pressing the **Menu (8)**.
- > Push **Tune up/down (6)** until you have reached the point **factory settings**.



DAB
<Werkseinstellung>

- > Now press **Select (7)**.



Werkseinstellung
<Nein> Ja

- > Push **Tune up/down (6)** to run the reset **to factory setting (Yes)** or cancel **(No)**.
- > Confirm by pressing **Select (7)**.

When running the factory setting, the device restarts and is in standby mode after that.

Software version

- > Open the menu by pressing the **Menu (8)**.
- > Push **Tune up/down (6)** until you have reached the point SW version.



DAB
<SW-Version>

- > Now press **Select (7)**.

SW-Version
dab-mini-F52002-0

>Leave the display by pressing **Menu (8)**.

Specifications

- Frequency Range: DAB / DAB + 174.928 - 239.200MHz FM (FM) 87.5- 108MHz
- Audio output: 1 Wrms
- Power Supply Input: 100-240 VAC, 50 -60Hz
- Output: 6 V DC / 500 mA
- Dimensions : 205mm x120mm x55mm

Notes

Your device bears the CE symbol and complies with all requisite EU standards.

Subject to change for amendments and pushing errors Version 2013

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