

Instruction Manual

DIGITRADIO 80

DAB/DAB+ and FM radio



TechniSat

Important Safety Instructions



1. Read these instructions.
2. Keep these Instructions.
3. Heed all Warnings.
4. Follow all instructions.
5. Do not use the speaker near water.
6. Clean only with dry cloth.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS SPEAKER TO RAIN OR MOISTURE.

To reduce the risk of electrical shock, fire, etc.:

1. Do not place unit near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
2. Do not block any ventilation openings of unit.
3. The unit shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the unit.
4. Do not place any heavy loads onto the unit, and do not step on it, the load may fall and cause serious injury to the unit.
5. Please read Rating Labels at the back of unit for power input and other safety information.
6. This unit is intended to be used only with the power supply provided.
7. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at any point where they exit from the unit.
8. Never unplug your unit by pulling on the power cord. Always grasp the plug firmly and pull straight out from the outlet.
9. Repair or replace all electric service cords that have become frayed or otherwise damaged immediately. Do not use a cord that shows cracks or abrasion damage along its length, the plug, or the connector end.
10. To prevent fire or shock hazard, do not use this plug with an extension cord or other outlet unless the blades can be fully inserted to prevent blade exposure.
11. During lightning or raining days, unplug the unit for additional protection during thunderstorms or when the unit is not used for prolonged periods. This will prevent damage to the unit from lightning and power surges.
12. Do not attempt to carry out any service work yourself. By opening or removing the cabinet, you may be exposed to dangerous voltage or other hazards. Any service work should be carried out by qualified technicians.
13. The normal function of the product may be disturbed by strong Electro-Magnetic Interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in other location.
14. The means of disconnecting this apparatus from the mains supply is plug of adapter. The disconnect device shall remain readily operable.
15. In the interests of safety and to avoid unnecessary energy consumption, never leave the unit switched on while unattended for long periods of time, e.g. overnight, while on holiday or while out of the house. Switch it off and disconnect the mains plug from the mains socket.

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Getting Started

Carefully remove your radio from the box. You may wish to store the packaging for future use.

What you can find inside of your package

- Main unit
- Power adapter
- Wire antenna
- Converter
- Instruction manual

Positioning your Radio

Place your radio on a flat / stable surface that is not subject to vibrations.

Avoid the following locations:

- Where the radio will be exposed to direct sunlight.
- Where the radio will be close to heat radiating sources.
- Where the humidity is high and ventilation is poor.
- Where it is dusty.
- Where it is damp or there is a possibility of water dripping or splashing onto unit.

Adjusting the Antenna

Extend the antenna to ensure you receive the best reception possible in both DAB and FM radio modes. It may be necessary to adjust the position of the radio and /or antenna to achieve the best signal.

Using Headphones

You will require headphones fitted with a 3.5 mm diameter stereo plug. The **Headphones** socket is located on the front of this unit. Headphones are not supplied with this radio.

Turn down the volume before connecting headphones. Slowly raise the volume with the headphones on until you reach your desired level.

Caution: *long-term exposure to loud music may cause hearing damage. It is best to avoid extreme volume when using headphones, especially for extended periods of time.*

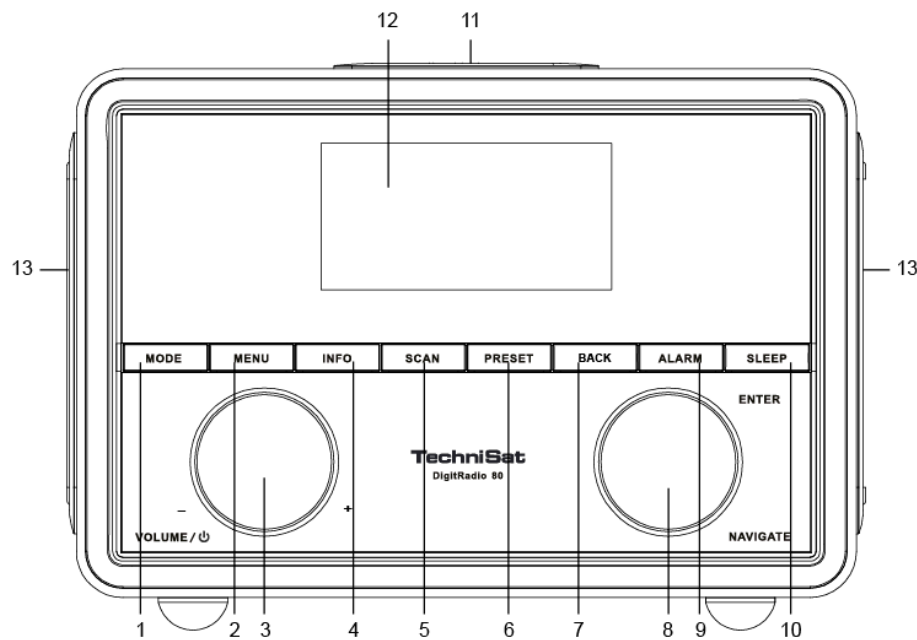
Turning the Unit On/Off

Connect the plug at the end of power adapter cable to the **DC IN** socket on the back of the unit. Then insert the power adapter into the mains socket. Press  button to turn unit on or standby. To switch the unit off completely, unplug the power adapter from the mains socket.

Volume Control

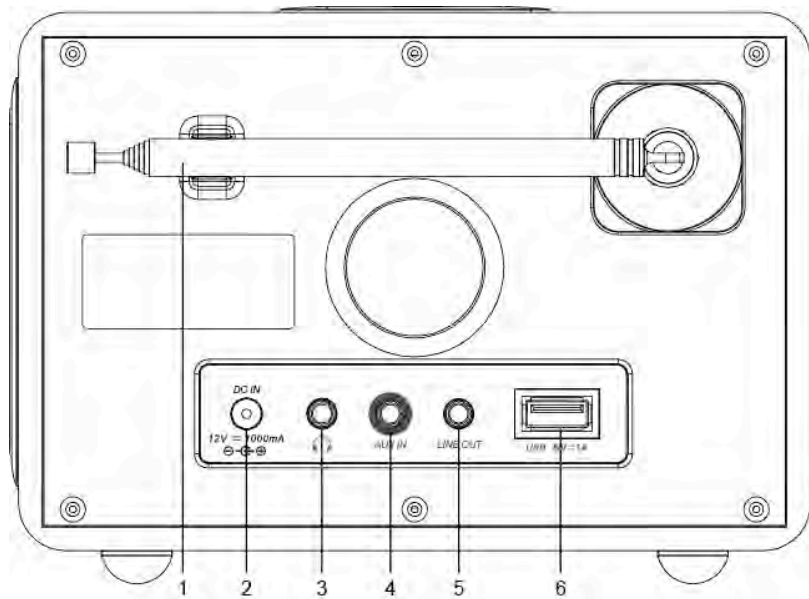
Adjust the radio volume by turning the **VOLUME** knob.

Unit Front View



- | | |
|---|--|
| <p>1. MODE button
Press to switch among DAB, FM and Aux in modes.</p> <p>2. MENU button
Press to display or exit menu screen.</p> <p>3. ⏻ button
Press to switch radio on or standby.</p> <p>VOLUME knob
Turn to adjust volume level.</p> <p>4. INFO button
Press to browse program information.</p> <p>5. SCAN button
Press to scan available DAB and FM stations.</p> <p>6. PRESET button
Press and hold to save preset station.
Press to recall preset station.</p> | <p>7. BACK button
Press to return to previous option.</p> <p>8. ENTER button
Press to confirm selection.</p> <p>NAVIGATE knob
Turn to select through options.</p> <p>9. ALARM button
Press to set alarms.</p> <p>10. SLEEP button
Press to set sleep time.</p> <p>11. SNOOZE button
Press to activate snooze function.</p> <p>12. Display</p> <p>13. Speaker</p> |
|---|--|

Unit Back View



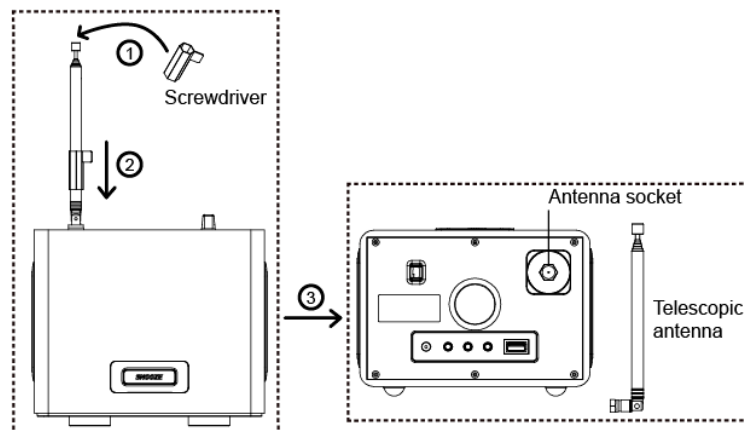
1. DAB/FM telescopic antenna
2. **DC IN** socket
12V = 1000mA
3. **Headphones** socket
6 3
4. **AUX IN** socket
AUX IN
5. **LINE OUT** socket
LINE OUT
6. **USB 5V=1A** port
USB 5V=1A
For charging your mobile device.

Replacing antenna

Your radio is assembled with telescopic antenna when producing. You can replace the telescopic antenna with provided wire antenna or converter.

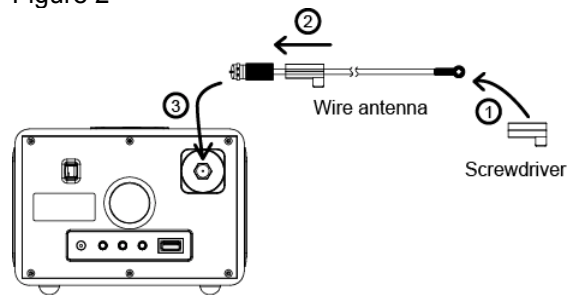
1. Use the screwdriver to disassemble the telescopic antenna by screwing antenna anticlockwise. (Refer to Figure 1.)

Figure 1



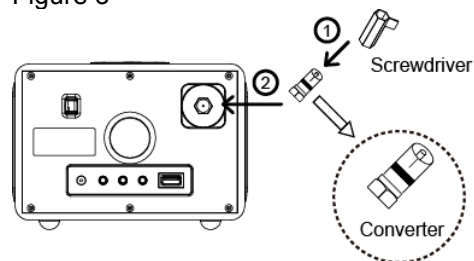
2. Use the screwdriver to install the wire antenna by screwing antenna clockwise. (Refer to Figure 2.)

Figure 2



3. You can also connect DAB signal cable to your radio by using a converter. (Refer to Figure 3.)

Figure 3



DAB Mode

When you turn on the radio it will automatically search and store all the available stations. You should conduct an additional Full Scan to ensure all stations are picked up and stored. It is also recommended every few months to run a new scan to pick up any new DAB/DAB+ that may have begun broadcasting after purchasing your DAB radio.

1. For initial use, radio will carry out a full scan and store stations list in memory.



2. Once the scanning is completed, the DAB/DAB+ stations will be displayed in alphanumeric order. The first station in the list will be selected, press **ENTER** button to broadcast.

 **Note:** if no DAB/DAB+ signal is found in your area, it may be necessary to relocate your radio to a stronger signal area.

Selecting another Station

While a program is playing, turn **NAVIGATE** knob to show station list and select the station you want to play, and then press **ENTER** button to confirm.

Secondary Service

You may see a ">>" symbol after the name of the station, this indicates that there are secondary services available to that station. These secondary services contain extra services that are related to the primary station. E.g. a sports station may want to add extra commentaries. The secondary services are inserted directly after the primary station (a "<<" symbol is before the name of the station) in the station list.

To select the secondary station, turn **NAVIGATE** knob until you find the secondary service you want, and then press **ENTER** button to select it.

When the secondary service ends, the unit will automatically switch back to the primary station.

Scanning Stations

Simply press **SCAN** button to scan for all available stations.

Alternatively, press **MENU** button, turn **NAVIGATE** knob to select **Full scan**, and then press **ENTER** button to scan.

Manual Tune

This can help you when adjusting your antenna or when adding stations that were missed while auto tuning.

1. Press **MENU** button, turn **NAVIGATE** knob to select **Manual tune**, and then press **ENTER** button to confirm, the display will show the channel number and frequency.
2. Turn **NAVIGATE** knob to step among the channels and then press **ENTER** button select the current channel.

 **Note:** If there is a multiplex corresponding to this channel and frequency, then the display will show a tuning meter with the signal strength and the multiplex name after a few seconds.

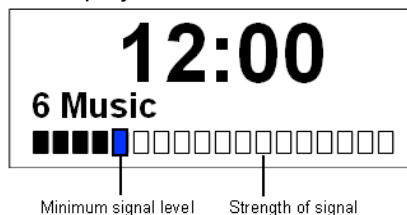
3. To playing the station, first press **BACK** button repeatedly to exit manual tune.

Viewing Station Information

DAB/DAB+ stations broadcast additional information. Press **INFO** button on the main unit repeatedly to view information through Scrolling text, Signal strength, Program Type, Ensemble, Frequency, Signal error, Bitrate, Codec, Audio format, Time and Date.

Showing Signal Strength

While you selected signal strength, a signal bar with the strength of the current station will show on the display.



The indicator on the signal bar shows the minimum acceptable signal level.

 **Note:** Stations with signal strength below the minimum signal level may not provide a steady stream of audio.

Storing Preset Stations

Your radio can store up to 10 of your favourite DAB/DAB+ stations as preset stations. This will enable you to access your favourite stations quickly and easily.

1. While your favorite station is playing, press and hold **PRESET** button until display show '**Preset Store <1: (Empty)>**'.
2. Turn **NAVIGATE** knob to select among preset numbers 1-10, and then press **ENTER** button to confirm. The display will show '**Preset # stored**'.

Recalling a Preset Station

1. Press **PRESET** button to show the saved preset stations.
2. Turn **NAVIGATE** knob to select the stored preset station you want to play, and then press the **ENTER** button to confirm.
3. The display will show '**Preset Recall <#: (Empty)>**' if the preset station isn't allocated.

FM Mode

Selecting FM Mode

1. Press **MODE** button repeatedly to select **FM** mode.
2. For initial use, it will start at the beginning of the FM frequency range (87.50MHz). Otherwise, the last listened FM station will be selected.



3. To manually change the FM frequency, while FM frequency shows up, turn **NAVIGATE** knob to change the frequency by 0.05MHz per step.
4. To automatically scan, while FM frequency shows up, turn **NAVIGATE** knob clockwise or anticlockwise and then press the **SCAN** button, your radio will skip forwards or backwards until it reached the next available station.

Scan setting

By default, FM scans stop at any available station. This may result in a poor signal-to-noise ratio (hiss) from weak stations.

1. To change the scan settings to stop only at stations with good signal strength, press **MENU** button, and then turn **NAVIGATE** knob to select '**Scan setting**', press **ENTER** button to confirm.
2. Display will show '**Strong stations only**', turn **NAVIGATE** knob to select '**YES**' and then press **ENTER** button to confirm.

Audio Settings

By default, all stereo stations are reproduced in stereo. For weak stations, this may result in a poor signal-to-noise ratio (hiss).

1. To play weak stations in mono, press **MENU** button, and then turn **NAVIGATE** knob to select '**Audio setting**', press **ENTER** button to confirm.
2. Display will show either '**Forced mono**' or "Stereo allowed", turn **NAVIGATE** knob to select and then press **ENTER** button to confirm.

Storing Preset Stations

Your radio can store up to 10 of your favourite FM stations. This will enable you to access your favourite stations quickly and easily.

1. While playing your favourite station, press and hold **PRESET** button until display shows '**Preset Store <1: (Empty)>**'.
2. Turn **NAVIGATE** knob to select among preset numbers 1-10, and then press **ENTER** button to confirm. The display will show '**Preset # stored**'.

Recalling a Preset Station

1. Press **PRESET** button to show the saved preset stations.
2. Turn **NAVIGATE** knob to select the stored preset station you want to play, and then press the **ENTER** button to confirm.
3. The display will show '**Preset Recall <#: (Empty)>**' if the preset station isn't allocated.

Aux in Mode

AUX IN allows for quick and easy connection to an MP3 player or other external audio sources.

1. Before connecting to the mains socket, use a 3.5mm audio cable (not supplied) to connect to your external audio device through the **AUX IN** socket on the back of unit.
2. Connect power adapter to mains socket, press  button to switch unit on.
3. Press **MODE** button repeatedly to select **Auxiliary Input** mode.
4. In Aux in mode, you may operate your audio device directly for playback features.
5. To gain optimal volume levels, adjusting the output volume level on the audio device as well is recommended.

 **Note:** the unit will automatically switch to standby mode after 10 minutes if the source device is disconnect, switch off or the volume is too close to mute.

General Operation

Setting Sleep

This feature enables your radio to switch to standby mode by itself after a set sleep time.

1. Press **SLEEP** button repeatedly to select through options **Sleep off, 15, 30, 45, 60 or 90 minutes**, press the **ENTER** button to confirm. The sleep icon ☹ and sleep time will show on the display.
2. To turn the sleep function off while the sleep timer is still counting down, press **SLEEP** button repeatedly to select '**Sleep off**'.

Setting Alarm

Your radio includes dual alarms. Set Alarm, making sure set time at first.

1. Press **ALARM** button repeatedly to select '**Alarm 1 Setup**' or '**Alarm 2 Setup**', and then press **ENTER** button to confirm.
2. Turn **NAVIGATE** knob to select options, and then press **ENTER** button to confirm the setting.

Alarm states:	On or Off
Alarm time:	On Time: 00:00 (manually set up the time)
Alarm duration time:	15/30/45/60/90 minutes
Alarm source:	DAB, FM or Buzzer
Last listened:	Last listened station of saved preset stations (not available for Buzzer mode)
Alarm active day:	Daily, Once, Weekends or Weekdays
Alarm volume:	turn NAVIGATE knob to set the alarm volume
Alarm volume:	Press ☹ button to set the alarm volume

3. When the display shows 'Alarm Saved', the alarm setting is successful. ① or ② will show on the display.
4. **To temporarily switch off alarm**, press **SNOOZE** button to activate Snooze function when the alarm sounds and set Snooze time cycle through 5, 10, 15 or 30 minutes.

🔊 **Note:** the options of Snooze time depends on which alarm duration time you selected.

Alarm duration time	Snooze time
15 minutes	5 or 10 minutes
30 minutes	5, 10 or 15 minutes
45/60/90 minutes	5, 10, 15 or 30 minutes

5. **To turn off alarm**, press ☹ button when the alarm is sounding.
6. **To cancel Alarm**, refer to steps1-2 to set alarm '**Off**'.

Setting Equaliser

This feature enables you to set a sound equalization profile. The equalization setting will change the tone of the sound from your radio.

1. Press **MENU** button, and then turn **NAVIGATE** knob to select **Equaliser**, and then press **ENTER** button to confirm.
2. Turn **NAVIGATE** knob to select Bass or Treble, and then press **ENTER** button to confirm.
3. Turn **NAVIGATE** knob to change the value of Bass or Treble among '-3' to '+3', and then press **ENTER** button to confirm.

Setting Time

1. Press **MENU** button, and then turn **NAVIGATE** knob to select **Time**, press **ENTER** button to confirm.
2. Turn **NAVIGATE** knob to select options, and then press **ENTER** button to confirm the setting.

Set Time/date:	Manually set-up both Time and Date
Auto update:	'Update from Any', 'Update from DAB', 'Update from FM' or 'No update'
Set 12/24 hour format:	'Set 24 hour' or 'Set 12 hour'
Set date format:	'DD-MM-YYYY' or 'MM-DD-YYYY'

3. Then setting time according to your personal preference.

Setting Backlight

1. Press **MENU** button, and then turn **NAVIGATE** knob to select **Backlight**, press **ENTER** button to confirm.
2. Turn **NAVIGATE** knob to select '**Power on**' or '**Standby**', and then press **ENTER** button to confirm.
3. Turn **NAVIGATE** knob to select backlight level, and then press **ENTER** button to confirm the setting.

Power on	Level 1, Level 2, Level 3, Level 4 or Level 5
Standby	Off, Level 1, Level 2, Level 3, Level 4 or Level 5

Setting Language

This feature enables you to change menu language. The default menu language is German.

1. Press **MENU** button, and then turn **NAVIGATE** knob to select **Language**, press **ENTER** button to confirm.
2. Turn **NAVIGATE** knob to select your language, and then press **ENTER** button to confirm.

Factory Reset

A factory reset resets all user settings to default values, so time/date and presets are lost.

1. Press **MENU** button, and then turn **NAVIGATE** knob to select **Factory Reset**, press **ENTER** button to confirm.
2. Turn **NAVIGATE** knob to select '**YES**', and then press **ENTER** button to confirm.

SW Version

Press **MENU** button, and then turn **NAVIGATE** knob to select **SW version**, press **ENTER** button to confirm. The software version will show on the display.

Specification

ITEMS	DESCRIPTION
Specifications:	DAB/DAB+ and FM Digital Radio
Power Supply:	AC Input: 100-240V~, 50-60Hz DC Output: 9V, 2000mA
Frequency Ranges:	FM: 87.5-108MHz DAB/DAB+: 174.928 – 239.200 MHz
Audio	5W rms x 2
Power Consumption:	18W (Max)
Dimension (W x D x H):	165mm x 136mm x 125mm



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. For more information, please contact the local authority or your retailer where you purchased the product.