TechniSat

DAB/DAB+ and FM Digital Radio
Instruction Manual

DigitRadio 215

Important Safety Instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK:
DO NOT REMOVE SCREWS, COVERS OR THE CABINENT.
NO USER SERVICING PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
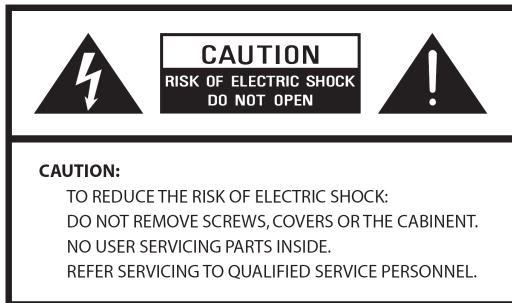
1. Read these instructions.

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 attempt to use unit in temperatures outside the range of $0℃ \sim 40℃$.

3. Do not block any ventilation openings of unit.

4. 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.

5. 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.

6. Please read Rating Labels at the back of unit for power input and other safety information.

7. This unit is intended to be used only with the power supply provided.

8. 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.

9. Never unplug your unit by pulling on the power cord. Always grasp the plug firmly and pull straight out from the outlet.
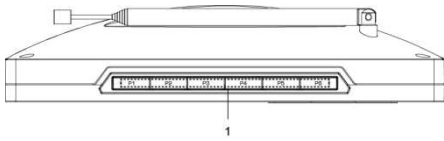
10. Repair or replace all electric service cords that have become frayed or otherwise damaged immediately. Do not use a cord that shows cracks or abrasion damage along its length, the plug, or the connector end.

11. 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.

12. 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.

13. 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.

14. 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.

15. The means of disconnecting this apparatus from the mains supply is plug of adapter. The disconnect device shall remain readily operable.

16. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

17. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

18. 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.
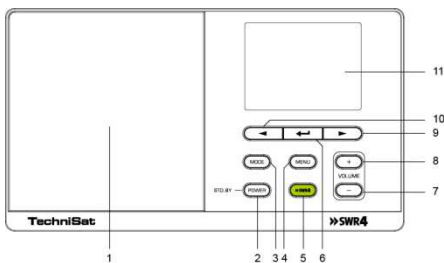
# Contents

Your radio

Top View

1. **DIRECT PRESET** buttons **P1**- **P6**
    Press and hold one button to save preset station 1, 2, 3, 4, 5 or 6.
    Press one button to recall preset station 1, 2, 3 4, 5 or 6.

Front View

1. Speaker
2. **POWER/STANDBY** button
    Press to switch radio on or standby.
    Press and hold to switch radio off.
3. **MODE** button
    Press to switch between DAB and FM mode.
4. **MENU** button
    Press to view station information.
    Press and hold to display or exit menu.
5. **SWR4** button
    Press to listen SWR4 preset station.
6. ↵ button
    Press to confirm selection.
7. **VOLUME -** button
    Press to decrease volume.
8. **VOLUME +** button
    Press to increase volume.
9. ► button
    Press to downward browse options.
10. ◄ button
    Press to upward browse options.
11. Display

Rear View
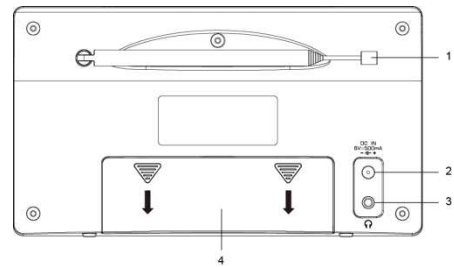
1. Antenna
2. **DC IN 6V 500mA** socket
3. **Headphone** socket
4. Battery compartment

Installing batteries

1. Switch off the radio and remove the power adapter from unit.
2. Remove the battery compartment cover at the rear of unit by downward pushing the bulges on the battery compartment cover.
3. Fit 4 pcs new AA batteries (not supplied) by referring to the markings inside the battery compartment.
4. Cover the battery door.
5. Press **POWER/STANDBY** button to turn on the unit.
6. If you won't use the radio for an extended period, please remove the batteries to avoid damage.

    ✎ *Note: do not reverse any battery and do not mix battery types, also do not mix old and new batteries. When discard your old battery, please considering eco-friendly.*

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
- 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

The antenna should be extended to ensure you receive the best reception possible in both DAB and FM radio modes. It may be necessary to alter 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 **Headphone** socket is located on the rear of the unit. Headphones are not supplied with this digital 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 rear of the unit. Then insert the power adapter into the mains socket.
Press **POWER/STANDBY** button to switch radio go to standby.
Press **POWER/STANDBY** button a second time to switch radio on.
Press and hold **POWER/STANDBY** button to switch radio off. To switch the unit off completely, unplug the power adapter from the mains socket.

Volume Control

Press **VOLUME+** or **VOLUME-** button to increase or decrease volume.

Digital Radio Mode (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, your radio will conduct a full scan and store stations list in memory.
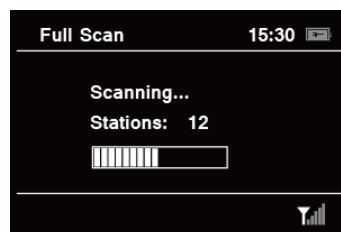
2. Once the scanning is completed, the DAB/DAB+ stations will be displayed in alphanumeric order. The first station in the list will be selected to broadcast.
   - ✎ **Note**: *the DAB/DAB+ stations will be displayed and stored in alphanumeric order. If no DAB/DAB+ signal is found, it may be necessary for you to relocate your radio.*

Station List

This feature enables you to select a station from available station list.

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'Station List', press ↵ button to confirm.
2. Press ◄ or ► button to browse stations list, and then press ↵ button to confirm. The selected station will be broadcast.

✍ **Note**: *alternatively, while a program is playing, press ◄ or ► button to browse through station list. Press ↵ button to confirm you desired station.*

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, press ◄ or ► button until you find the secondary service you want, and then press ↵ button to select it.

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

Full Scan

This feature enables your radio to scan for all available stations.

Press and hold **MENU** button, and then press ◄ or ► button to select 'Full Scan', press ↵ button to confirm.

Manual Tune

1. Press and hold **MENU** button**,** and then press ◄ or ► button to select 'Manual Tune', press ↵ button to confirm, the display will show the channel number and frequency.
2. Press ◄ or ► button to step among the channels and then press ↵ 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. The new stations will be added to station list automatically.*
3. To view and play the new searched station, first press and hold **MENU** button to exit manual tune.

Prune Invalid

You may remove all unavailable stations from the station list.

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'Prune Invalid', press ↵ button to confirm.
2. Press ◄ or ► button to select 'YES', and then press ↵ button to confirm removing all invalid stations.

DRC (Dynamic Range Control) value

If you are listening to music with high dynamic range in a noisy environment (for example classical music while cooking), you may wish to compress the audio dynamic range. This makes quiet sounds louder and loud sounds quieter.

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'DRC', press ↵ button to confirm.
2. Press ◄ or ► button` to select 'DRC high', 'DRC low' or 'DRC off', and then press ↵ button to confirm.

Viewing Station Information

DAB/DAB+ stations broadcast additional information. Press **MENU** button repeatedly to view information through DLS (Dynamic Label Segment), Program Type, Ensemble, Frequency, Signal quality, Signal strength, Bitrate, Codec and Date.

✎ **Note:** you can press ⟵ button to play slide show of station, and you can press ⟵ button a second time shift to play slide show in full screen. Now if you attend to view station information, first you need pressing ⟵ button to switch off slice show, and then press **MENU** button repeatedly to view information.

Showing Signal Strength

While you selected Signal strength, a signal bar with the strength of the current station will show on the display.
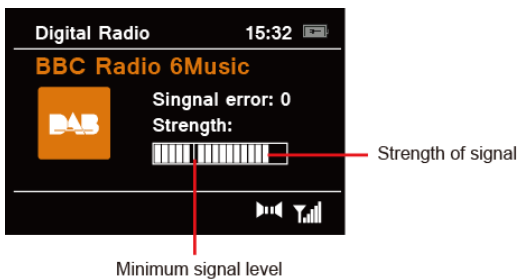
The indicator on the signal bar shows the minimum acceptable signal level.

✎ **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 6 of your favourite DAB/DAB+ stations as preset stations. This will enable you to access your favourite stations quickly and easily.

1. While a program is playing, press and hold one of **DIRECT PRESET** buttons **P1**- **P6** until the display show 'Preset # stored'
2. Preset number '≡#' will show on the bottom of display.

✎ **Note**: you can press **SWR4** button to listen SWR4 station if the station is broadcasting in your current area. 'No SWR4 station' will appear after full scanning if SWR4 station cannot be searched in your location.

Recalling Preset Stations

1. Press one of **DIRECT PRESET** buttons **P1**- **P6** directly to play the preset station
2. 'Preset Empty' will be shown if the preset station isn't allocated.

FM Mode

Selecting FM Mode

1. Press **MODE** button to select FM mode.
2. For initial use, it will start at the beginning of the FM frequency range (87.50MHz). Or it will play the last FM station you were listening to.
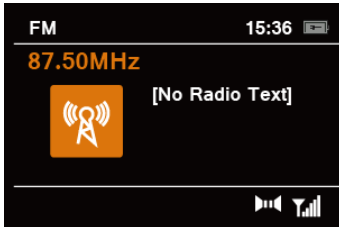
3. **To manually change the FM frequency**, making sure no other order/system setting is going on, press ◄ or ► button to change the frequency by 0.05MHz per step.
4. **To automatically scan**, while FM frequency shows up, press ◄ or ► button, and then press ◄┘ button, your radio will skip backward or forward until it reached the next available station.

Scan Setting

This is a scanning option to scan all stations, or just scan stations with strong signal.

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'Scan setting', press ◄┘ button to confirm.
2. Press ◄ or ► button to select 'Strong Stations Only', and then press ◄┘ button to confirm. The scans stop only at stations with good signal strength.
3. Press ◄ or ► button to select 'All Stations', and then press ◄┘ button to confirm. The scans stop at any available station. This may result in a poor signal-to-noise ratio (hiss) from weak stations.

Audio Setting

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 and hold **MENU** button, and then press ◄ or ► button to select 'Audio setting', press ◄┘ button to confirm.
2. Press ◄ or ► button to browse 'Forced mono', and then press ◄┘ button to confirm.

✎ ***Note***: *the unit will automatically switch between stereo and mono when 'Stereo allowed' is selected depending on the signal strength, but you can override this and switch this function manually. This is helpful when receiving poor signal reception*

Viewing Station Information

It is possible to view the information that is displayed on the display when listening to a FM program by pressing **MENU** button repeatedly. The display will show the information through Radio Text, Program Type, Program Name, Audio info and Date.

Storing Preset Stations

Your radio can store up 6 of your favourite FM stations as preset stations. This will enable you to access your favourite stations quickly and easily.

1. While a program is playing, press and hold one of **DIRECT PRESET** buttons **P1**- **P6** until the display show 'Preset # stored'
2. Preset number '⁞≣#' will show on the bottom of display.

Recalling Preset Stations

1. Press one of **DIRECT PRESET** buttons **P1**- **P6** directly to play the preset station
2. 'Preset Empty' will be shown if the preset station isn't allocated.

General Operations

Setting Alarm

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

Keeping power adapter connected when standby is highly recommended to avoid alarms not work once battery power is used up.

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'Alarm', and then press ↵ button to confirm.
2. Press ◄ or ► button to select 'Alarm 1' or 'Alarm 2', and then press ↵ button to confirm.
3. Press ◄ or ► button to select options, and then press ↵ button to confirm the setting.

Alarm:	Press ↵ button to set alarm On or Off
Frequency:	Daily, Once, Weekends or Weekdays
Wake Up time:	00:00 (manually set up the time)
Source:	Buzz or Digital Radio, FM (If the wake-up source is Digital Radio and the DAB signal strength is low, the buzz alarm will be triggered.)
Preset:	**Last listened** or **saved preset station** (not available for Buzzer mode)
Duration:	15/30/45/60/90/120 minutes
Alarm volume:	Press **VOLUME+** or **VOLUME-** button to adjust the alarm volume

4. Press and hold **MENU** button to exit alarm setting. 🕑 or 🕑 icon will show on the display.
5. **To temporarily switch off alarm**, press ↵ button to activate Snooze function when alarm sounds. Press ↵ button repeatedly can set Snooze period time of 5, 10, 15 or 30 minutes in turn. The set snooze time will show on the display.

🖎 **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
45/60/90/120 minutes	5, 10, 15 or 30 minutes

6. **To turn off alarm**, press **POWER/STANDBY** button when alarm sounds. The unit will go to standby.
7. **To cancel Alarm**, refer to steps1-4 to set alarm 'Off'. 🕑 or 🕑 icon will disappear from display.

Setting Sleep

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

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'Sleep', and then press ↵ button to confirm.
2. Press ◄ or ► button to browse options **Sleep Timer Off**, **15**, **30**, **45**, **60** or **90 minutes**, press ↵ button to confirm. The icon 🌙 and sleep time will show on the display.
3. To cancel sleep feature while the sleep timer is still counting down, redo steps 1-2 to select 'Sleep Timer Off'.

Setting Equaliser

This feature enables you to choose a sound equalization profile. Each of the equalization setting will change the tone of the sound from your receiver when selected.

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'System Settings', press ↵ button to confirm.
2. Press ◄ or ► button to select 'Equaliser', and then press ↵ button to confirm.
3. Press ◄ or ► button to select a profile through 'Normal', 'Classic', 'Jazz', 'Pop', 'Rock', 'Speech' and 'My EQ', and then press ↵ button to confirm.

4. To set your prefer EQ, press ◄ or ► button to select 'My EQ Setup', and then press ↵ button to confirm. Press ◄ or ► button to select through 'Treble' and 'Bass', and then press ↵ button to confirm. Press ◄ or ► button to set the value of Treble and Bass among '-7' to '+7', and then press ↵ button to confirm. Press and hold **MENU** button to exit setting.

Setting Time/Date

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'System Settings', press ↵ button to confirm.
2. Press ◄ or ► button to select 'Time/Date', and then press ↵ button to confirm.
3. Press ◄ or ► button to select options, and then press ↵ button to confirm the setting

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

4. Then set time according to your personal preference.

Setting Backlight

This radio display has a backlight with adjustable brightness level and adjustable timeout (this is the time delay, in seconds, after which the display switch to set backlight level of Dim level).

1. Press and hold **MENU** button, and then press ◄ or ► button to select 'System Settings', press ↵ button to confirm.
2. Press ◄ or ► button to select 'Backlight', and then press ↵ button to confirm.
3. Press ◄ or ► button to select 'On level' and 'Dim level', and then press ↵ button to confirm.

4. Press ◄ or ► button to set backlight level and backlight timeout, and then press ↵ button to confirm the setting.

On level	• High
	• Medium
	• Low
Dim level	• High
	• Medium
	• Low

Setting Language

This feature enables you to change menu language.
1. Press and hold **MENU** button, and then press ◄ or ► button to select 'System Settings', press ↵ button to confirm.
2. Press ◄ or ► button to select 'Language', and then press ↵ button to confirm.
3. Press ◄ or ► button to select your language, and then press ↵ button to confirm.

Factory Reset

Doing a factory reset clears all user defined setting, replacing them with the original default values, so time/date, DAB station list and preset stations are all lost.
1. Press and hold **MENU** button, and then press ◄ or ► button to select 'System Settings', press ↵ button to confirm.
2. Press ◄ or ► button to select 'Factory Reset', and then press ↵ button to confirm.
3. Press ◄ or ► button to select 'Yes', and then press ↵ button to confirm.

Viewing Software Version

This information may be requested when dealing with technical support issues.
1. Press and hold **MENU** button, and then press ◄ or ► button to select 'System Settings', press ↵ button to confirm.
2. Press ◄ or ► button to select 'Software Version', and then press ↵ button to confirm. The software version will show on the display.

Troubleshooting

If a problem occurs, it may often be due to something very minor. The following table contains various tips.

Problem	Solution
No Power.	● Ensure the mains cable is properly connected. ● Make sure that the unit is turned on.
The unit does not respond when pressing any buttons.	● The unit may freeze up during use. Switch the unit off and then on again to reset it.
Poor radio reception.	● Make sure the antenna is fully extended. ● Electrical interference in your home can cause poor reception. Move the unit away from them (especially those with motors and transformers).
Desired station not found.	● Weak signal. Search manually.

If any functional abnormality is encountered, unplug the unit from the mains socket and reconnect it again.

Specifications

Items	Specifications
Description:	DAB/DAB+ and FM Digital Radio
Frequency Range:	FM: 87.5-108 MHz DAB/DAB+: 174.928-239.200 MHz
Power Adapter:	AC Input: 100-240V~, 50/60 Hz DC Output: 6V,500mA (please use our provided adaptor)
Audio Output Power:	1W rms
Power Consumpti-on:	Operation: 3W (Max) Standby: < 1W
Dimensions (W x H x D):	205mm x 115mm x 46 mm