

Instruction Manual

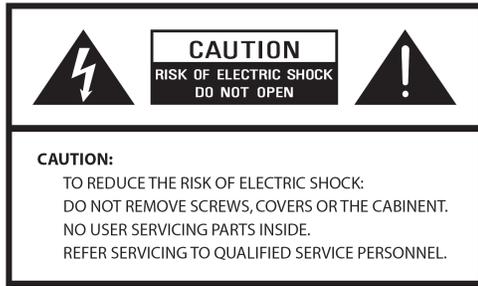
DIGITRADIO 20

Under Cupboard Kitchen 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.:

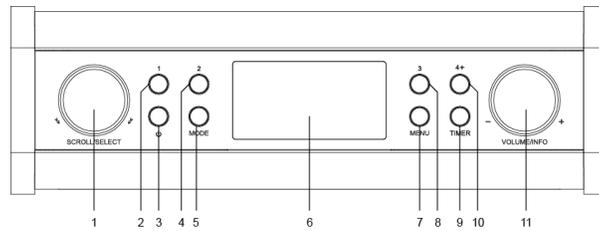
1. Do not place unit near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
2. Do not block any ventilation openings of unit.
3. The unit shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, 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 rear 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 adaptor. 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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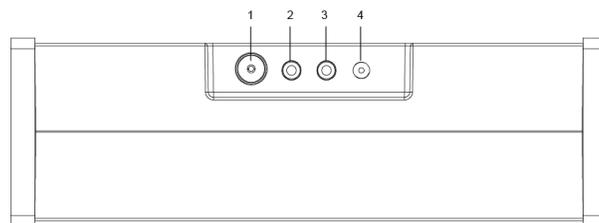
Your radio

Buttons



1. **SCROLL/SELECT** knob
Turn to browse options.
Press to confirm option.
2. **1** button
Press and hold to directly save preset station 1.
Press to directly recall preset station 1.
3. **POWER** button
Press to switch radio on or standby.
4. **2** button (Refer to '1 button')
5. **MODE** button
Press to switch among
6. Display
7. **MENU** button
Press to display or exit menu screen.
8. **3** button (Refer to '1 button')
9. **TIMER** button
Press to set Egg timer.
10. **4+** button
Press and hold to save preset stations 1-10.
Press to recall preset stations 1-10
11. **VOLUME/INFO** knob
Turn to adjust volume level.
Press to browse program information.
12. Fixing plate

Connectors



1. **Antenna socket**
2. **Headphone socket**
3. **AUX IN socket**
4. **DC IN 9V/1000mA socket**

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 x 1
- Instruction Manual x 1
- Power adapter x 1
- Fixing plate x 1
- Fixing screws x 5

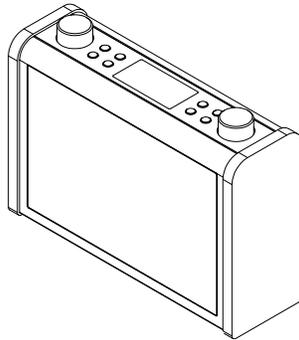
Positioning your Radio

There are two ways to place your radio - placing on a flat / stable surface or mounting under a cupboard.

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.

Place the Unit on a Table



Installing the Unit under a Cupboard

Make sure removing all connections from unit.

1. Install the Fixing plate under cupboard with the supplied Fixing screws. (See Figure 1)
2. Mount the unit to the installed Fixing plate. (See Figure 2 and 3)

Figure 1

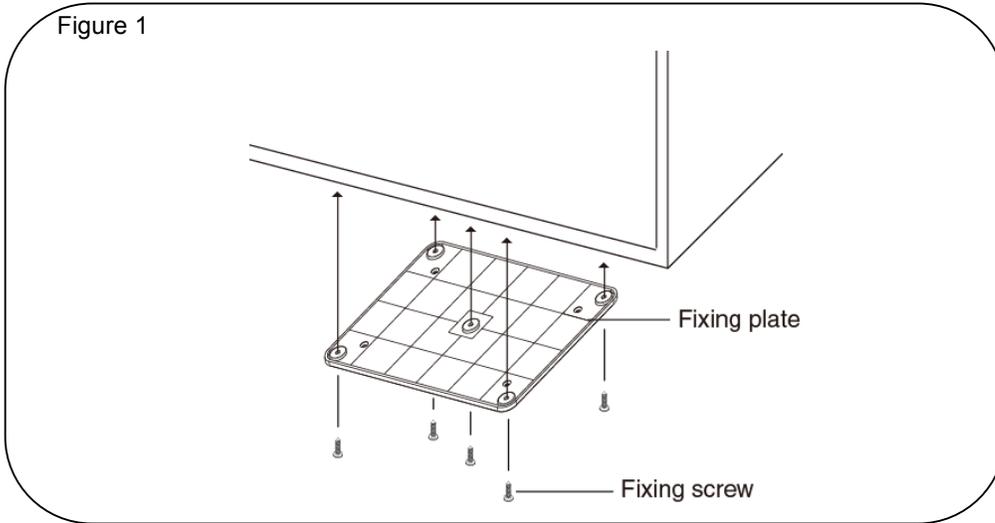


Figure 2

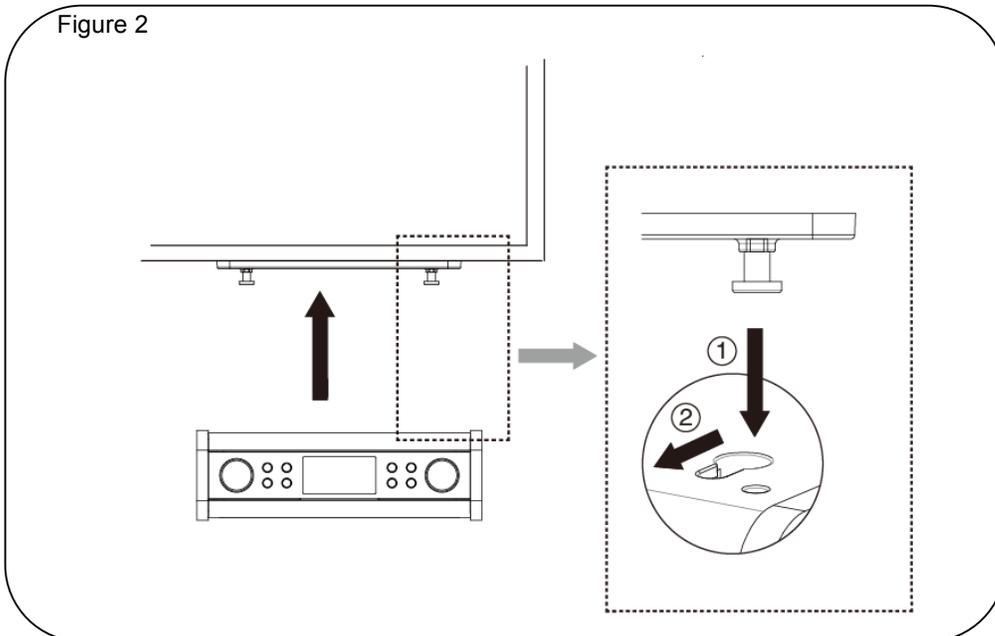
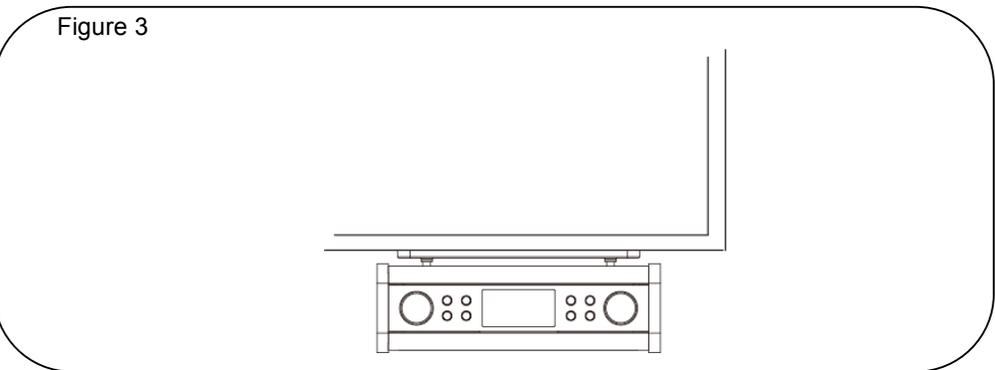


Figure 3



⚠ Caution

1. Since the unit is heavy, be careful when installing the unit.
2. To reduce the risk of fire, do not place any heating or cooking appliance beneath this unit.

3. *Install the unit so that its power cord can be connected directly to a wall outlet. Do not use a converter or extension cord.*
4. *Install the unit as far as possible from a source of noise. (for example, refrigerator, microwave oven, fluorescent lamp, etc.)*

Installing and Adjusting the Antenna

Extend the antenna and insert to **Antenna** socket of unit 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.

Turning the Unit On/Off

Connect the plug at the end of power adapter cable to the **DC IN** socket of unit. Then insert the power adapter into the mains socket. The unit will switch on.

Press **POWER** button to switch radio to standby mode.

To switch the unit off completely, unplug the power adapter from the mains socket.

Volume Control

While a program is playing, turn **VOLUME/INFO** knob clockwise or anti-clockwise to adjust volume level.

Using Headphones

Insert headphones fitted with a 3.5 mm diameter stereo plug to **Headphone** socket of 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.*

Automatically Setting the Clock

The clock can be set and updated automatically if it receives DAB / FM signals in your location. In order for the clock to synchronise to the current local time you must leave it on a DAB or FM station for a short period of time. You can also choose how you would like to keep the clock up to date the DAB or FM radio signals. Press **Menu** button - **Time** - **Auto update**.

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 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 **SCROLL/SELECT** knob to show station list and select the station you want to play, and then press **SCROLL/SELECT** knob 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 **SCROLL/SELECT** knob until you find the secondary service you want, and then press **SCROLL/SELECT** knob to select it.

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

Scanning Stations

Press **MENU** button, turn **SCROLL/SELECT** knob to select ‘Full scan’, and then press **SCROLL/SELECT** knob to automatically scan.

Manual Tune

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

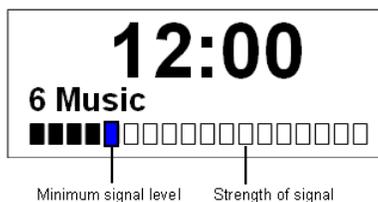
1. Press **MENU** button, turn **SCROLL/SELECT** knob to select 'Manual tune', and then press **SCROLL/SELECT** knob to confirm, the display will show the channel number and frequency.
2. Turn **SCROLL/SELECT** knob to step among the channels and then press **SCROLL/SELECT** knob select the current channel.
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 play the station, first press **MENU** button twice to exit manual tune.

Viewing Station Information

DAB/DAB+ stations broadcast additional information. Press **VOLUME/INFO** knob 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 **4+** button until display show 'Preset Store <#: (Empty)>'.
2. Turn **SCROLL/SELECT** knob to select among preset numbers 1-10, and then press **SCROLL/SELECT** knob to confirm. The display will show 'Preset # stored'.
3. You can also press and hold **1**, **2** or **3** button to directly save preset station to 1, 2 or 3. The display will show 'Preset # stored'.

Recalling a Preset Station

1. Press **4+** button to show the saved preset stations.
2. Turn **SCROLL/SELECT** knob to select the stored preset station you want to play, and then press the **SCROLL/SELECT** knob to confirm.
3. The display will show 'Preset Recall <#: (Empty)>' if the preset station isn't allocated.
4. You can also press **1**, **2** or **3** button to directly recall preset station 1, 2 or 3. 'Preset Recall <#: (Empty)>' will be shown 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 scan the FM frequency, while FM frequency shows up, turn **SCROLL/SELECT** knob clockwise or anti-clockwise to change the frequency by 0.05MHz per step.
4. To automatically scan, while FM frequency shows up, turn **SCROLL/SELECT** knob clockwise or anticlockwise and then **SCROLL/SELECT** knob, 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 **SCROLL/SELECT** knob to select 'Scan setting', press **SCROLL/SELECT** knob to confirm.
2. Turn **SCROLL/SELECT** knob to select 'Strong stations only', and then press **SCROLL/SELECT** knob 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 **SCROLL/SELECT** knob to select 'Audio setting', press **SCROLL/SELECT** knob to confirm.
2. Turn **SCROLL/SELECT** knob to select 'Forced mono', and then press **SCROLL/SELECT** knob 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 your favorite station is playing, press and hold **4+** button until display show 'Preset Store <#: (Empty)>'.
2. Turn **SCROLL/SELECT** knob to select among preset numbers 1-10, and then press **SCROLL/SELECT** knob to confirm. The display will show 'Preset # stored'.
3. You can also press and hold **1**, **2** or **3** button to directly save preset station to 1, 2 or 3. The display will show 'Preset # stored'.

Recalling a Preset Station

1. Press **4+** button to show the saved preset stations.
2. Turn **SCROLL/SELECT** knob to select the stored preset station you want to play, and then press the **SCROLL/SELECT** knob to confirm.
3. The display will show 'Preset Recall <#: (Empty)>' if the preset station isn't allocated.
4. You can also press **1**, **2** or **3** button to directly recall preset station 1, 2 or 3. 'Preset Recall <#: (Empty)>' will be shown 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 of unit.
 2. Connect power adapter to mains socket, press **POWER** 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 15 minutes if the source device is disconnect, switch off or the volume is too close to mute.*

General Operation

Setting Egg Timer

This feature enables you to set a countdown timer while cooking for enjoying your cooking hour easy.

1. Press **TIMER** button to select 'Egg timer'.
2. Turn **SCROLL/SELECT** knob to set the cooking time from 1 minute to 99 minutes, and then press **SCROLL/SELECT** knob to confirm.
3. The Egg timer will countdown. Press **TIMER** button can check the remaining time.
4. Buzzer will be triggered once reached the time. Press **TIMER** button to turn buzzer off.

Setting Equaliser

Select this option to set sound equalization. Each setting will change the tone of the sound from your radio.

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

Setting Time

1. Press **MENU** button, and then turn **SCROLL/SELECT** knob to select 'Time', press **SCROLL/SELECT** knob to confirm.
2. Turn **SCROLL/SELECT** knob to select options, and then press **SCROLL/SELECT** knob 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

This feature enables you to adjust the brightness level of display.

1. Press **MENU** button, and then turn **SCROLL/SELECT** knob to select 'Backlight', press **SCROLL/SELECT** knob to confirm.
2. Turn **SCROLL/SELECT** knob to select 'Power on' or 'Standby', and then press **SCROLL/SELECT** knob to confirm.
3. Turn **SCROLL/SELECT** knob to select backlight level, and then press **SCROLL/SELECT** knob 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 **SCROLL/SELECT** knob to select 'Language', press **SCROLL/SELECT** knob to confirm.
2. Turn **SCROLL/SELECT** knob to select your language, and then press **SCROLL/SELECT** knob 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 **MENU** button, and then turn **SCROLL/SELECT** knob to select 'Factory Reset', press **SCROLL/SELECT** knob to confirm.
2. Turn **SCROLL/SELECT** knob to select 'YES', and then press **SCROLL/SELECT** knob to confirm.

SW Version

Press **MENU** button, and then turn **SCROLL/SELECT** knob to select 'SW version', press **SCROLL/SELECT** knob to confirm. The software version will show on the display.

Specification

Items	Specifications
Description:	Under Cupboard Kitchen Radio
Frequency Range:	FM: 87.5-108 MHz DAB/DAB+: 174.928-239.200 MHz
Power Requirements:	AC Input: 110-240V~, 50-60 Hz DC Output: 9V, 1000mA (please use our provided adaptor)
Audio Output Power:	3W rms
Power Consumption:	Operation: 9W (Max) Standby: < 1W
Dimension (W x H x D):	224mm x 72mm x 160mm (not including Fixing plate)



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.