

Instruction Manual

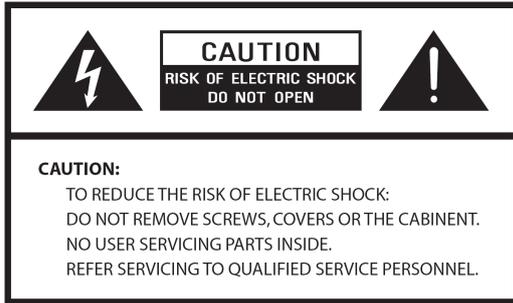
DIGITRADIO 225

DAB/DAB+ and FM Digital Radio with Bluetooth



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. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.
13. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
14. The built-in battery must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.
15. 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.

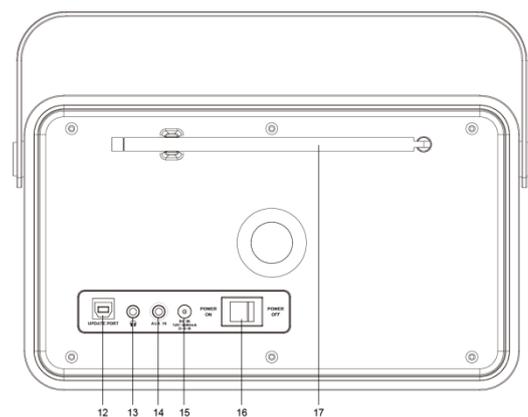
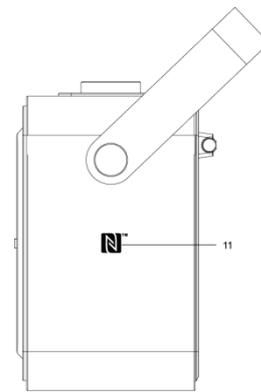
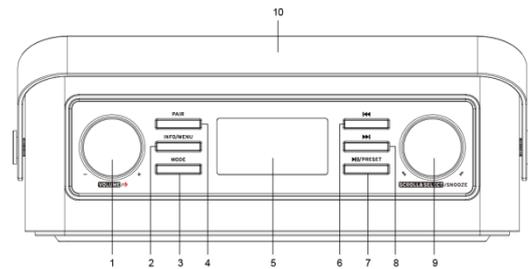
16. The normal function of the product may be disturbed by strong Electro-Magnetic Interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in other location.
17. The means of disconnecting this apparatus from the mains supply is plug of adaptor. The disconnect device shall remain readily operable.
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.

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Your radio

1. **VOLUME/⏻** knob
 - Press to switch unit on or standby.
 - Turn to adjust volume level.
2. **INFO/MENU** button
 - Press to view station information when a program is playing.
 - Press and hold to display or exit menu screen.
3. **MODE** button
Press to switch among DAB, FM, Bluetooth and Aux in mode.
4. **PAIR** button
 - Press to select a paired Bluetooth device from device list.
 - Press and hold to disconnect Bluetooth connection.
5. Display
6. **⏮** button
Press and hold to fast reverse current playing track in Bluetooth mode.
7. **⏸/PRESET** button
 - Press to pause or play current playing track in Bluetooth mode.
 - Press and hold to save preset station.
 - Press to recall preset station.
8. **⏭** button
 - Press to skip to next track in Bluetooth mode.
 - Press and hold to fast forward current playing track in Bluetooth mode.
9. **SCROLL&SELECT/SNOOZE** knob
 - Turn to browse options.
 - Press to confirm selection.
 - Press to activate snooze function when alarm sounds.
10. Handle
11. NFC sensor
12. **UPDATE PORT** – For service professional only.
13. **Headphones** socket
14. **AUX IN** socket
15. **DC IN** socket
16. **POWER** switch
17. DAB/FM antenna



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 adaptor
- 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 unit will be exposed to direct sunlight.
- Where the unit 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.

Turning the Unit On/Off

Connect the plug at the end of power adaptor cable to the **DC IN** socket at the rear of the unit.

Then insert the power adaptor into the mains socket.

Slide **POWER** switch to **POWER ON** side, unit will on and then start battery charging. Keep mains power connecting and charge the built-in battery for 12 hours before first time use.

Press the **VOLUME/⏻** knob to switch unit standby.

To turn off unit completely, slide **POWER** switch to **POWER OFF** side and disconnect the power adaptor from the mains socket, especially you attempt to not use radio for long periods of time.

⚠ Caution: *the built-in battery must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.*

Volume Control

Adjust the radio volume by turning **VOLUME/⏻** knob. Turn anti-clockwise to decrease volume and turn clockwise to increase volume.

Using Headphones

You will require headphones fitted with a 3.5 mm diameter stereo plug. The **Headphones** socket is located at the rear 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.*

Automatically Setting the Clock

The clock can be set and updated automatically if it received 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 from the DAB or FM radio signals. Press and hold **INFO/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 automatically selected to broadcast, press **SCROLL&SELECT/SNOOZE** knob 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.

Scanning Stations

Press and hold **INFO/MENU** button, turn **SCROLL&SELECT/SNOOZE** knob to select 'Full scan', and then press **SCROLL&SELECT/SNOOZE** knob to full scan.

Manual Tune

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

1. Press and hold **INFO/MENU** button, turn **SCROLL&SELECT/SNOOZE** knob to select 'Manual tune', and then press **SCROLL&SELECT/SNOOZE** knob to confirm, the display will show the channel number and frequency.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select the channel you wanted, and then press **SCROLL&SELECT/SNOOZE** knob to confirm. If there is a multiplex on this channel, the multiplex name will be shown. A signal strength bargraph will be displayed

 **Note:** The new stations will be added to station list automatically.

3. To play the station, first press and hold **INFO/MENU** button twice to exit manual tune.

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 **INFO/MENU** button, turn **SCROLL&SELECT/SNOOZE** knob to select 'DRC', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select 'DRC high', 'DRC low' or 'DRC off' (default), and then press **SCROLL&SELECT/SNOOZE** knob to confirm.

Selecting another Station

1. Press and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Auto select', press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL/SELECT** knob to select 'Disable' (default) or 'Enable', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.
 - a) If 'Disable' is selected, while a program is playing, turn **SCROLL&SELECT/SNOOZE** knob to browse station list, and then press **SCROLL&SELECT/SNOOZE** knob to confirm broadcasting.
 - b) If 'Enable' is selected, while a program is playing, turn **SCROLL&SELECT/SNOOZE** knob to browse stations list, the station you desired will be automatically broadcast.

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/SNOOZE** knob until you find the secondary service you want, then press **SCROLL&SELECT/SNOOZE** knob to select it.

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

Prune Invalid

You may remove all unavailable stations from the station list.

1. Press and hold **INFO/MENU** button, turn **SCROLL&SELECT/SNOOZE** knob to select 'Prune', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select 'Yes', and then press **SCROLL&SELECT/SNOOZE** knob to confirm removing all invalid stations.

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 **SCROLL&SELECT/SNOOZE** knob clockwise or anticlockwise to change the frequency by 0.05MHz per step.
4. To automatically scan, while FM frequency shows up, turn **SCROLL&SELECT/SNOOZE** knob clockwise or anti-clockwise and then press **SCROLL&SELECT/SNOOZE** knob, your radio will skip forward or backward until it reached the next available station.

Scan settings

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 and hold **INFO/MENU** button, turn **SCROLL&SELECT/SNOOZE** knob to select 'Scan setting', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select 'Strong stations only' (default), and then press **SCROLL&SELECT/SNOOZE** 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 and hold **INFO/MENU** button, turn **SCROLL&SELECT/SNOOZE** knob to select 'Audio setting', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select 'Forced mono', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.

Viewing Station Information

There is a variety of station information transmitted by broadcast, and this radio offers a convenient way for you to view them.

To view currently playing station information, press **INFO/MENU** button repeatedly the display will show the information through Radio text, Program Type, Program Name, Audio info, Time and Date.

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 <#: (Empty) >'.
>
2. Turn **SCROLL&SELECT/SNOOZE** knob to cycle through the preset numbers 1-10.
3. Select one preset number and then press the **SCROLL&SELECT/SNOOZE** knob, display will show 'Preset # stored'.

Recalling a Preset Station

1. Press **▶/PRESET** button to show the saved preset stations.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select the preset station you want to play and then press the **SCROLL&SELECT/SNOOZE** knob to confirm.
3. The display will show 'Preset Empty' if the preset station isn't allocated.

Bluetooth Mode

Pair the unit with a Bluetooth device to listen to music:

1. Press the **MODE** button to select Bluetooth mode.
2. The display will show 'Bluetooth discoverable...'.
 3. Activate your Bluetooth device and select the search mode.
 4. 'DigitRadio 225' will appear on your Bluetooth device.
 5. Select 'DigitRadio 225' and enter "0000" for the password if necessary.
 6. 'BT connected: Your Bluetooth Device' will show on the display when connection is successful.
7. While a track is playing, you can:
 - a. Press **⏮** button once to resume to the beginning of track, and then press **⏮** button once again to skip to previous track; press and hold **⏮** button to fast reverse current playing track.
 - b. Press **⏸/PRESET** button to pause or play current playing track.
 - c. Press **⏭** button to skip to next track; press and hold **⏭** button to fast forward current playing track.
8. To disconnect current Bluetooth connection, press and hold **PAIR** button for 2 seconds.
9. To connect to another paired Bluetooth device, press **PAIR** button repeatedly to select the Bluetooth device you desired, and then press **SCROLL&SELECT/SNOOZE** knob to confirm connecting.

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

NFC (Near Field Communication)

NFC enables you pair and connect with Bluetooth devices in an easy way.

1. Press **MODE** button repeatedly to select Bluetooth mode.
2. Make sure that your NFC is turned "On" on your mobile device.
3. Hold your mobile device about 2cm close to **NFC** sensor at right side panel for receiving an auto-connection between your mobile device and radio.
4. Your device then will turn-on Bluetooth automatically and will pair your device with radio. No additional settings are necessary.

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 at the rear of unit.
2. Connect power adaptor to mains socket, press **VOLUME/⏻** knob 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, switched 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 and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Sleep', press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select a sleep time, and then press **SCROLL&SELECT/SNOOZE** knob to confirm. The sleep icon  will show on the display.
The sleep time options: Sleep off/15/30/45/60/90 minutes
3. To turn the sleep function off while the sleep timer is still counting down, select 'Sleep' option, turn **SCROLL&SELECT/SNOOZE** knob to select 'Sleep off'.

Setting Alarm

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

1. Press and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Alarm', press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select 'Alarm 1 Setup' or 'Alarm 2 Setup', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.
3. Turn **SCROLL&SELECT/SNOOZE** knob to select options, and then press **SCROLL&SELECT/SNOOZE** knob 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:	Buzz, DAB or FM (if the wake-up mode is DAB and the DAB signal strength is low, the buzzer alarm will be triggered.)
Last listened:	Last listened or saved preset station (not available for Buzz mode).
Alarm active day:	Daily, Once, Weekends or Weekdays
Alarm volume:	turn VOLUME / INFO knob to set the alarm volume

4. When the display shows 'Alarm Saved', the alarm setting is successful.  or  will show on the display.
5. **To temporarily switch off alarm**, press **SCROLL&SELECT/SNOOZE** knob repeatedly to set snooze time for 5, 10, 15 or 30 minutes in turn. The unit will go to standby and 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 minutes	5, 10, 15 or 30 minutes

6. **To turn off alarm**, press **VOLUME/⏻** knob when the alarm sounds and then unit will go to standby.
7. **To cancel Alarm**, refer to steps 1-3 to enable 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 and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Equaliser', press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to browse through 'Treble' and 'Bass', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.
3. Turn **SCROLL&SELECT/SNOOZE** knob to set the level of Treble and Bass among '-3' to '+3', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.

Setting Time

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

1. Press and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Backlight', press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select 'Power on' or 'Standby', then press **SCROLL&SELECT/SNOOZE** knob to confirm.
3. Turn **SCROLL&SELECT/SNOOZE** knob to select backlight level, and then press **SCROLL&SELECT/SNOOZE** knob to confirm the setting.

Power on	<ul style="list-style-type: none"> • High • Medium • Low
Standby	<ul style="list-style-type: none"> • High • Medium • Low

Setting Language

This feature enables you to change menu language. There are four languages available: English/French/Italian/German.

1. Press and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Language', press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select your language, and then press **SCROLL&SELECT/SNOOZE** 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 and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Factory Reset', press **SCROLL&SELECT/SNOOZE** knob to confirm.
2. Turn **SCROLL&SELECT/SNOOZE** knob to select 'Yes', and then press **SCROLL&SELECT/SNOOZE** knob to confirm.

Software Upgrade

Please leave this for service professional!

If you selected **Software Upgrade** menu accidentally, please select '**No**' to exit this option.

Viewing SW Version

This information may be requested when dealing with technical support issues.

Press and hold **INFO/MENU** button, and then turn **SCROLL&SELECT/SNOOZE** knob to select 'Info', press **SCROLL&SELECT/SNOOZE** knob 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
How long do I charge the battery before first use?	<ul style="list-style-type: none">● Keep mains power connecting and charge the battery for 12 hours before first time use.
Does my unit use battery when on standby?	<ul style="list-style-type: none">● Unit use battery on standby if mains power is not connected.
Is it safe to use power adaptor together with the battery?	<ul style="list-style-type: none">● Mains power is used when use power adaptor together with the battery and the charge current will be cut off by protection circuit once battery is fully charged.
No Power.	<ul style="list-style-type: none">● Ensure the mains cable is properly connected or battery power is not used up.● Make sure that the unit is turned on.
The unit does not respond when pressing any buttons.	<ul style="list-style-type: none">● The unit may freeze up during use. Switch the unit off and then on again to reset it.
Poor radio reception.	<ul style="list-style-type: none">● 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.	<ul style="list-style-type: none">● Weak signal. Search manually.
I cannot find "DigitRadio 225" on my Bluetooth device.	<ul style="list-style-type: none">● Ensure the Bluetooth function is activated on your Bluetooth device.● Re-pair the unit with your Bluetooth device.

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 with Bluetooth
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: 12V, 2000mA (please use our provided adaptor)
Battery:	7.4V 5000mAh
Audio Output Power:	5W rms x 2
Power Consumption:	Operation: 24W (Max) Standby: < 1W
Dimension (W x D x H):	260mm x 105mm x 167mm



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.