

» PERFECT PRO

ROCK BULL
» PERFECT PRO

INSTRUCTION MANUAL **GB**



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WARNING ! WARRANTY BECOMES VOID ONCE THE DEVICE CABINET HAS BEEN OPENED OR ANY MODIFICATIONS OR ALTERATIONS TO THE ORIGINAL DEVICE HAVE BEEN MADE

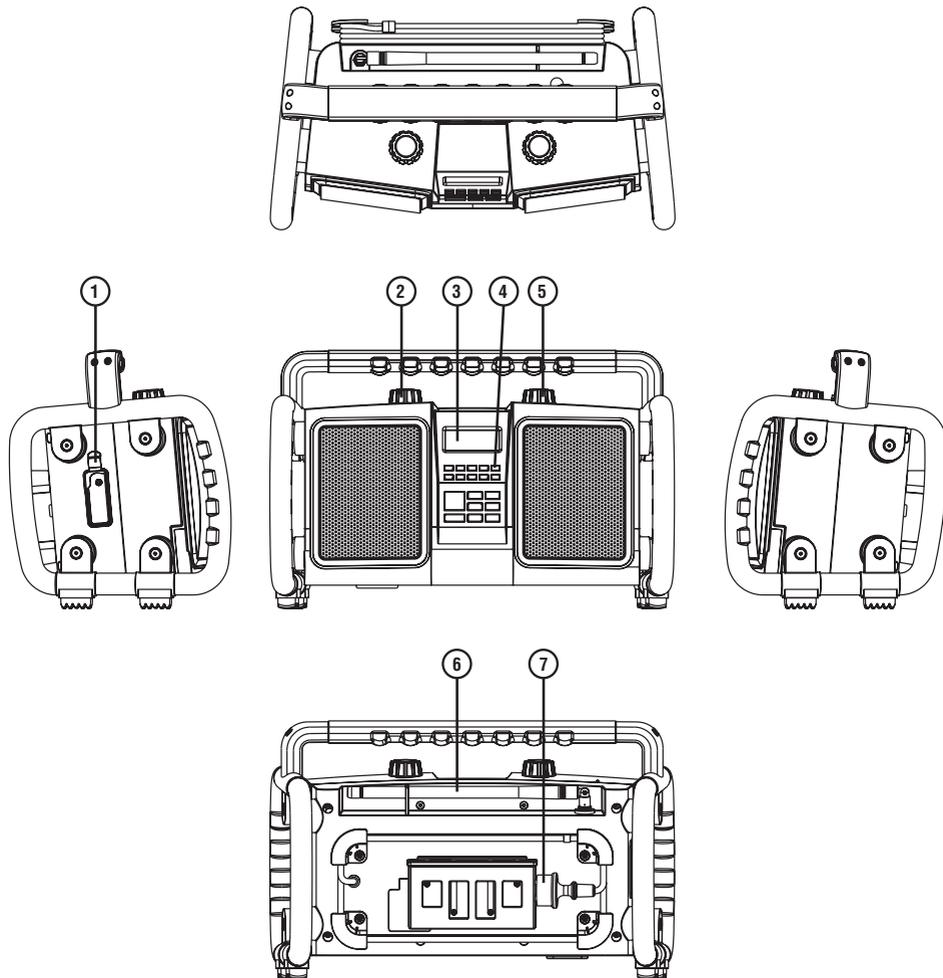
IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. Do not block any ventilation openings. Install in accordance with the instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
8. Do not defect the safety purpose of the polarized or grounding – type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
9. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required if the apparatus has been damaged in any, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
15. Do not remove the cover; there are no user-serviceable parts inside.
16. No naked flame sources shall be placed on the apparatus.
17. For outdoors use, to avoid electric shock, if the radio has been exposed to rain or water, the power supply cord and plug must be completely dried before plugging into the mains socket outlet.
18. The power plug should be close to the apparatus, and easy to be approached that during emergency, to disconnect the power from the apparatus, just unplug the power plug from the AC power slot.
19. The marking information is located at the bottom of the apparatus.
20. This apparatus is provided with protection against splashing water (IPX4).
21. In case of malfunction due to electrostatic discharge or fast transient (burst), remove and reconnect the power supply.



CONTROLS

1. Aux-in
2. Volume
3. Display
4. Key pad
5. Tuning
6. Antenna
7. Power cord



POWER SUPPLY

AC operation

1. Before plugging the AC power cord into the AC socket, be sure the voltage is correct.
2. AC power cord and plug storage is designed to store the cord and plug when the radio is not in use

Note:

In order to disconnect the unit from the AC mains completely, the AC power cord should be removed from the mains socket completely and it shall remain readily operable and should not be obstructed during intended use.

In case of malfunction due to electrostatic discharge or fast transient (burst), remove the power supply from power supply and reconnect the power supply after half approximate minute.

GENERAL FUNCTIONS

1. **Switching on and off**
Press the **On/Off** button to turn the radio on or in standby.
2. **Switching among DAB / FM / AUX-IN modes**
Press the **SOURCE** button to switch between modes.
3. **Tuning the Radio**
Tune the radio using the **TUNING** knob on the right.
4. **Adjusting the Volume**
Adjust the volume with the **VOLUME** knob on the left.
5. **Selecting the preset Equalizer**
Press the **EQUALIZER** button repeatedly to select the desired preset EQ.
6. **Selecting Stereo or Mono mode (in FM mode only)**
Press the **MONO/STEREO** button to switch between FM Mono and FM Stereo.
7. **Using the AUX-IN feature**
Connect the audio output of an external audio device to the $\varnothing 3.5\text{mm}$ AUX-IN socket and play music from the external device.
8. **Anti-Theft-Protection (ATP) System**
Press the preset buttons (1-10) to enter the 4-digits numeric passcode.

USING THE RADIO FOR THE FIRST TIME

1. Place the radio on a flat surface.
2. Carefully extend the antenna located on the top of the radio. Adjust the antenna so it is vertically extending above the radio.
3. Plug the AC power cord into the AC socket. The radio will start up and the display will show "Welcome To Digital Radio" for a few seconds. Then the radio will automatically perform an auto scan of the Band III DAB channels and the FM band. The display will show "Scanning" in DAB and "Auto" in FM.
4. When the scan is completed, the 10 strongest stations of DAB and FM will be stored as presets. The radio will switch to standby with the updated clock and date showing on the display.
5. If no signals are found, the clock will not be updated. It may be necessary to relocate the radio to a position with better reception.

DAB MODE (DAB – DAB+)

Operating the radio – DAB

1. Carefully extend the antenna. Press the **On/Off** button to switch on the radio.
2. Select DAB by pressing the **SOURCE** button.
3. The first station in the list of stations found will be played. The display will show the station name. If the radio has been used before, the last used station will be selected.
4. If no DAB signals are detected, "No stations available" will be displayed. It may be necessary to relocate the radio to a position with better reception. You should then carry out an auto scan to find stations, please refer to the section "**Find new stations - DAB**".

Selecting a station – DAB

1. Press the **On/Off** button to switch on the radio. The display will show "Connecting" and "Playing" for a few seconds.
2. The display shows the name of the radio station currently selected.
3. Rotate the **TUNING** knob to scroll through the list of available stations.
4. When the desired station name appears on the display, press the **TUNING** knob to select the station.

Note: If after selecting a station the display shows "No stations available", it may be necessary to relocate the radio to a position with better reception.

Display modes – DAB

In DAB mode, the radio can display a range of information on the display. Press the **INFO** button to cycle through the various modes.

- | | |
|----------------------------|---|
| a. Scrolling text | Displays scrolling text message e.g. station information, artist/track name, phone-in number, etc. |
| b. Signal strength | Displays the signal strength of radio reception. The clear unfilled rectangle indicates minimum signal level required for satisfactory reception. |
| c. Program type | Displays the type of station being listened to e.g. Pop, Classic, News, etc. |
| d. Multiplex name | Displays the name of multiplex to which the current station belongs. |
| e. Channel & frequency | Displays the channel number and frequency for the currently tuned DAB station. |
| f. Bit rate & audio format | Displays the digital audio bit rate and audio format. |
| g. Time & date | Displays the current time and date. |

Finding new stations – DAB

From time to time, new stations may become available. You may proceed to find new stations as follows:

1. In DAB mode, press the **MENU** button, "Full Scan" shows on the display.
2. Press the **TUNING** knob, the radio will perform a scan of the Band III DAB channels. As new stations are found, the station counter on the right-hand side of the display will increase and new radio stations found will be added to the list stored in the radio.

Manual Tuning – DAB

Manual tuning is an alternative method of finding new stations. Instead of scanning the entire Band III channels automatically, you may tune the radio directly to a known DAB channel and store all the multiplex in that channel into the available station list.

1. In DAB mode, press the **MENU** button and rotate the **TUNING** knob until the LCD display shows "Manual tune", then press the **TUNING** knob. The display will show DAB channel and Frequency.
2. Rotate the **TUNING** knob to select the desired Channel or Frequency and then press the **TUNING** knob to tune to the chosen frequency.
3. When DAB stations in the tuned channel are found, the display will show the name of the station. Any new radio stations found will be added to the list stored in the radio.
4. The signal strength display shows the reception of the station. The clear unfilled rectangle indicates minimum signal level required for satisfactory reception. The signal strength bars will go up or down showing the changing signal strength as you adjust the antenna or the radio position.

5. Repeat step 1 to 4 for other channels with new stations.
6. Press the **MENU** button twice to exit manual tuning and return to normal DAB operation.

Dynamic Range Control (DRC) settings – DAB

DRC can make quieter sounds easier to hear when your radio is used in a noisy environment.

1. In DAB mode, press the **MENU** button and rotate the **TUNING** knob until the display shows “DRC Value”, then press the **TUNING** knob.
2. Rotate the **TUNING** knob to select required DRC setting (default is OFF).

DRC off	DRC is switched off, broadcast DRC will be ignored.
DRC high	DRC is set as sent by broadcaster.
DRC low	DRC level is set to 1/2 that sent by broadcaster.
3. Press the **TUNING** knob to confirm the setting. The display will return to normal radio display.

Note: Not all DAB broadcasts are able to use the DRC function. If the broadcast does not support DRC, then the DRC setting in the radio will have no effect.

Prune stations – DAB

If you move to a different part of the country, some of the stations that were listed may no longer be available. Also, from time to time, some DAB services may stop broadcasting, or may change location or frequency. The Prune stations function will delete the unavailable DAB stations from your station list.

1. In DAB mode, press the **MENU** button.
2. Rotate the **TUNING** knob until the display shows “Prune”.
3. Press the **TUNING** knob to enter the setting.
4. Rotate the **TUNING** knob to select between “Yes” or “No” (default is No). Select “Yes” to enable this function if required, otherwise, select “No”.
5. Press the **TUNING** knob to confirm your setting. The display will return to last menu and press **MENU** to go to the normal radio display.

Note: If you have moved the radio to a different part of the country, you should also carry out a search for new stations (please see the section “**Finding new stations – DAB**”).

FM MODE

Operating the radio – FM seek station

1. Press the **On/Off** button to switch on the radio.
2. Select the **FM RADIO** waveband by pressing the **SOURCE** button.
3. If this is the first time to switch to FM mode, the station in preset 1 will be played. If the radio has been used before, the last listened station will be played.
4. To seek station, press the **TUNING** knob. The scan stops automatically when it finds a station of sufficient strength.
5. After a few seconds, the display will update and show station name if RDS information is being received.
6. To find other stations, press the **TUNING** knob again.
7. To seek station in an opposite direction, rotate the **TUNING** knob clockwise (to scan from low frequency to high frequency) or rotate the **TUNING** knob anti-clockwise (to scan from high frequency to low frequency), and press the **TUNING** knob.
8. When the waveband end is reached, the radio will recommence tuning from the opposite waveband end.

Manual tuning – FM

1. Press the **On/Off** button to switch on the radio.
2. Select the FM band by pressing the **SOURCE** button.
3. Rotate the **TUNING** knob to reach the required FM station. The radio will change the frequency in steps of 50 kHz.
4. Rotate the rubber antenna to get the best reception. If the radio is tuned to a station of sufficient signal strength with RDS information present, the display may change to show the station name.
5. When the waveband end is reached, the radio will recommence tuning from the opposite waveband end.

RDS station service – FM

RDS (Radio Data System) is an information system which inaudible digital information is transmitted in addition to the normal FM radio program. When the radio is receiving a RDS station and the reception strength is sufficient, the station name will appear in the display. It may take some time before the RDS information is available.

Calling up RDS information

When you are listening to a FM station with RDS system, repeatedly press the INFO button to cycle through the information. This will only function if the reception level is sufficient and clear.

- | | |
|-----------------------|---|
| a. Station name (PS) | Displays the name of station being listened to. |
| b. Radio text (RT) | Displays the message about the station being listened to as ticker text. |
| c. Program type (PTY) | Displays the type of station being listened to, e.g. Pop, Classic, News, etc. |
| d. Frequency | Displays the frequency of the station being listened to. |
| e. Stereo or Mono | Displays Stereo or Mono. |
| f. Signal level | Displays the signal strength. |
| g. Time & date | Displays the current time (24 hour clock) and date. |

Scan sensitivity setting – FM

The radio will normally scan all stations from FM broadcasts including the weaker signals. However, you may wish the Auto-scan to find only those stations with strong enough signals to give good reception.

1. Press the On/Off button to switch on the radio.
2. Select the FM band by pressing the SOURCE button.
3. Press the MENU button, the display shows “Scan Setting”.
4. Press the TUNING button.
5. Rotate the TUNING knob to select “All Stations” or “Strong Station” (default is “All Stations”). The “Strong Station” option will allow the radio to find strong signals only when scanning.
6. Press the TUNING knob to confirm your setting. The display will return to normal radio display.

FM stereo / mono

1. If the FM station being received is weak, some hiss may be audible. To reduce the hiss, press the **Mono/Stereo** button to switch to mono mode, the display will show “Mono”.
2. To return to stereo mode, press the Mono/Stereo button and the display shows “Stereo”, the radio will switch to stereo mode automatically if the reception is good.
3. “Mono” and “Stereo” can be displayed on the LCD display (See “**Calling up RDS information**” above)

PRESET STATIONS

Storing preset stations

There are 20 memory presets in the radio, 10 for DAB and 10 for FM. Presets are remembered by the radio in the event of a power failure.

1. Press the **On/Off** button to switch on the radio.
2. Select the desired waveband by pressing the **SOURCE** button.
3. Tune to the required station.
4. Press and hold the required **Preset** (1–10) button until the radio beeps and shows “Saved”.
5. Repeat step 3 and 4 for the remaining presets.
6. Stations stored in the preset memories can be over-written again by following the above procedures.

Recalling preset stations

1. Press the **On/Off** button to switch on the radio.
2. Select the desired waveband by pressing the **SOURCE** button.
3. Briefly Press the required **Preset** (1-10) button. In FM mode the display will show for example “P1” on top right hand side.

AUX-IN MODE

A 3.5mm stereo Aux-In socket is provided on the side behind the rubber cover, for connecting an external audio device such as MP3 player or CD player (Aux cable not included with this radio).

1. Connect an audio source to the **AUX-IN** socket.
2. Press the **SOURCE** button to select AUX input. Display will show “AUX IN”.
3. Play the external player.
4. Adjust the **VOLUME** of both the radio and the player for comfortable listening.
5. After use, close the rubber cover to prevent moist or dust from entering into the sockets and radio.

Notes: Never use the Aux-In socket in rainy or moist conditions to prevent moist from entering the radio. Keep the rubber cover well closed under these conditions.

The Auto-Power management function will be activated in AUX mode. If there is no signal* from the Aux-In socket for a period of over 15 minutes, the radio will automatically switch to standby mode. Pressing the **On/Off** button will wake up the unit.

* Also when the incoming signal from the external device is too low and cannot be detected for a period of over 15 minutes by the Auto-Power management, the radio will switch to standby mode.

To prevent this raise the output level of the external device enough to be detected.

MANUALLY SETTING CLOCK

The clock can only be set when the radio is in standby mode. If no buttons are pressed for 5 seconds, the radio will exit the clock setup and the setting is cancelled.

1. Press and hold the **TIME SET** knob for 12 seconds until the hour digits flash on the display.
2. Rotate the **TIME SET** knob to set the hour.
3. Press the **TIME SET** knob to confirm, the minute digits flash.
4. Rotate the **TIME SET** knob to set the minute.
5. Press the **TIME SET** knob to confirm. The day flashes.
6. Rotate the **TIME SET** knob to set the current day.
7. Press the **TIME SET** knob to confirm. The month flashes.
8. Rotate the **TIME SET** knob to set the current month.
9. Press the **TIME SET** knob to confirm. The year flashes.
10. Rotate the **TIME SET** knob to set the current year.
11. Press the **TIME SET** knob to confirm. "Synclock on" flashes.
12. Rotary the **TIME SET** knob to choose either "Synclock on" or "Synclock off".
13. Press the **TIME SET** knob to confirm and finish the clock setting.

Automatic time synchronization

If "Synclock on" option is selected, the clock can be automatically set and updated every time the radio is switched on. The clock will be synchronized to the DAB or FM radio station received during the last radio operation.

If the clock is stopped or reset due to power interruption (or after a "System Reset"), the clock will be automatically set again and updated to the DAB or FM radio station received during the last radio operation. This will be done no matter the "Synclock" option is set to on or off.

Auto time set or time synchronization can take few minutes, which depends on the signal strength of the radio station. If it is not successful after 10 to 15 minutes, it may be necessary to relocate the radio to a position with better radio reception.

VOLUME & SOUND

To adjust the volume, simply rotate the **VOLUME** knob when the radio is on. The volume level (from 00 to 40 the loudest) will be shown on the LCD Display.

2-Way Speakers

The **ROCKBULL** radio has built-in 2-way speakers for each channel. The woofer in each channel reproduces the lower frequencies and the tweeter in each channel reproduces the high frequencies. 2-way speakers can reproduce dynamic and powerful sound while maintains high clarity and accurate sound image.

LOUDNESS

The **Loudness** function enables to get compensation on lower and higher frequency. The effect will be more audible when the radio is on a lower volume level (Dynamic Loudness).

1. Press the **On/Off** button to switch on the radio.
2. Press the **LOUDNESS** button alternatively, and then select between "Loudness on" or "Loudness off".
3. The display will return to normal in 3 seconds, and resume operation.

SURROUND SOUND

The **ROCKBULL** radio uses a digital signal processor to adjust the original audio signal to reproduce a digital virtual Surround sound. The sound reproduction quality is highly enriched offering you a spacious and perspective sound field.

1. Press the **On/Off** button to switch on the radio.
2. Press the **SOURCE** button to select DAB or AUX-IN mode.
3. Press the **SURROUND** button alternatively, and then select between "Surround on" or "Surround off".
4. The display will return to normal in 3 seconds, and resume operation.

The Surround Sound effect varies strongly per music type. Mostly the best result will be obtained with "lighter and easy listening" music. "Loud and heavy" music will often result in a less "open sound" or even distortion. All this is of course strongly influenced by the volume level and selected equalizer setting.

The Surround Sound effect is best used in a larger room with reflecting walls and listening at a few metres away from the radio. Very close to the radio the Surround Sound effect is not optimal.

Note: The Surround Sound is not available in FM mode.

EQUALIZER

The **EQUALIZER** function enables you to select a setting from 12 presets. Each presets EQ contains a group of parametric controls in the digital audio processor, which offer you optimum adjustments for various kinds of music and applications for different environments.

1. Press the **On/Off** button to switch on the radio.

- Press the **EQUALIZER** button repeatedly to select the desired EQ. The displayed EQ will be effective immediately:
 - EQ1 Neutral**
 - EQ2 Indoor**
 - EQ3 Outdoor**
 - EQ4 Flat**
 - EQ5 Rock**
 - EQ6 Soul and Jazz**
 - EQ7 Classical**
 - EQ8 Acoustic**
 - EQ9 Dance**
 - EQ10 Spoken word**
 - EQ11 Small room**
 - EQ12 Late night**
- The display will return to normal in 3 seconds, and resume operation.

ADDITIONAL METAL TELESCOPIC ANTENNA

You can use this as an alternative antenna for your radio in areas or locations where the radio signal (FM/DAB/DAB+) is weak to very weak.

ATTENTION: The standard antenna on the radio is flexible. The metal antenna is not flexible or bendable and should be used with care. Breaking or bending antennas is not covered by warranty.

Installing: Carefully screw off the standard flexible antenna. First carefully loosen the antenna with an open-end-wrench (size 14) – turn counter anti-clockwise. Carefully screw on the metal telescopic antenna and softly tighten it with an open-end wrench key (size 14) – turn clockwise.

ATTENTION: do not use too much force when fixing the antennas as this can damage the screw thread of the antennas or make it break off.

LANGUAGE SETTING

The menu of the radio can be configured to various languages.

- Press the **On/Off** button to switch on the radio.
- Press the **MENU** button, and then rotate the **TUNING** knob until the display shows “System”.
- Press the **TUNING** knob; rotate the **TUNING** knob until the display shows “Language”.
- Press the **TUNING** knob to enter the language adjustment menu.
- Rotate the **TUNING** knob until the desired language appears on the display (default is English).
- Press the **TUNING** knob to confirm your choice.
- The display menu will then change to the chosen language.

SOFTWARE VERSION

The software display cannot be altered and is just for your reference. You can only view the software version in DAB and FM modes.

- Press the **On/Off** button to switch on the radio.
- Press the **SOURCE** button to select FM or DAB mode.
- Press the **MENU** button and then rotate the **TUNING** knob until the display shows “System”.
- Press the **TUNING** knob; rotate the **TUNING** knob until the display shows “SW version”.
- Press the **TUNING** knob to view the software version.
- Press the **MENU** button to return to the normal radio display.

SYSTEM RESET

If the radio fails to operate correctly, or some digits on the display are missing or incomplete, carry out the following procedure.

- Press the **On/Off** button to switch on the radio.
- Press the **MENU** button.
- Rotate the **TUNING** knob until the display shows “System”. Press the **TUNING** knob.
- Rotate the **TUNING** knob until the display shows “Factory Reset”. Press the **TUNING** knob.
- Rotate the **TUNING** knob to select between “Yes” or “No”. Select “Yes” if you wish to reset the radio, otherwise, select “No”.
- Press the **TUNING** knob to confirm your choice.
- A full reset will be performed. All presets and the station list will be erased. All settings will be set to the default values. The radio will start up and the display will show “WELCOME TO DIGITAL RADIO” for a few seconds. Then the radio will automatically perform an auto scan of the Band III DAB channels and the FM band. The display will show “Scanning” in DAB and “Auto” in FM.
- When the scan is completed, the 10 strongest FM stations will be stored as presets. The radio will switch to standby with the updated clock and date showing on the display.

In case of malfunction due to electrostatic discharge; reset the product as above to resume normal operation. If you are not able to perform the reset operation as above, reconnect the power supply.

BACKLIGHT

LCD backlight configuration

1. Press the **On/Off** button to turn on the radio.
2. Press the **MENU** button, and then rotate the **TUNING** knob until the display shows "System".
3. Press the **TUNING** knob; rotate the **TUNING** knob until the display shows "LCD backlight".
4. Press the **TUNING** knob to enter the LCD backlight adjustment menu.
5. Rotate the **TUNING** knob to select "on" in order to keep backlight always lightened when the radio is turned on with AC power supply;
6. Or rotate the **TUNING** knob to select "off" (by default) so that the backlight will be lightened for about 10 seconds whenever a button is pressed with AC power supply.
7. Press the **TUNING** knob to confirm your choice.

RADIO NAME OPTION

This radio supports customization of the radio's name. If the radio has been named, the name of the radio will be shown when the radio is turned on and when the radio is turned off.

1. Press the **On/Off** button to turn on the radio.
2. Press the **MENU** button, and then rotate the **TUNING** knob until the display shows "System".
3. Press the **TUNING** knob; rotate the **TUNING** knob until the display shows "Name". Press the **TUNING** knob.
4. Rotate the **TUNING** knob to select the letters. The maximum length of new name is 16 letters long.
5. Press the **TUNING** knob to confirm the current selection. By pressing this **TUNING** knob, the cursor will be moved to next position for selection.
6. Press the **P3** or **P4** button to move the cursor to left or right.
7. Repeat step 4 to step 6 to edit the new radio name.
8. To complete editing the new radio name, you can either edit all the 16 letters or press the **MENU** button.
9. When finishing editing the radio name, the LCD will display "Confirm changes" in the first line, and display "OK" to save the changes or "Cancel" to discard the changes.
10. To confirm the changes, rotate the **TUNING** knob until "OK", and then press the **TUNING** knob to exit. After this action, the radio will save the new name.
11. To cancel the changes, rotate the **TUNING** knob until "Cancel", and then press the **TUNING** knob to exit. After this action, the radio will discard the changes and keep the current radio name as for display.
12. When next time the radio is turned on, the LCD will show "Welcome" in the first line and the new name in the second line.
13. When the radio is turned off, the LCD will show "Goodbye" in the first line and the new name in the second line.

Notes:

- In the name menu, when there is no operation of the panel buttons for more than 20 seconds during editing, the radio will automatically exit the name function without saving any of the changes.
- The default radio name is empty. The new edited name will be lost and go back to default (no name) after executing a factory reset in the menu.
- The radio supports maximum 16 letters as the name of the radio.

ATP PASSCODE

This radio is equipped with an Anti-Theft-Protection (ATP) system. When the ATP system is enabled, a passcode is required for turning on the radio.

1. Press the **On/Off** button to turn on the radio.
2. Press the **MENU** button.
3. Rotate the **TUNING** knob until the display shows "System". Press the **TUNING** knob.
4. Rotate the **TUNING** knob until the display shows "Passcode". Press the **TUNING** knob; "Enable" or "Disable" will be displayed. To enable ATP, rotate and press the **TUNING** knob to select "Enable".
5. "Change passcode" will be displayed, enter a 4-digits numeric passcode by pressing the preset buttons (1-10).
6. "Confirm passcode" will be displayed. Enter a second time the same passcode to re-confirm.
7. To disable passcode, select "Disable" as previously showed. And re-enter the previous passcode to disable the lock.

When ATP is enabled, and if wrong passcode is entered for three times, a timer will be activated. The next attempt will be possible only after the timer has elapsed. The timer period will be increased with further wrong passcodes.

WARNING: If you choose to activate the passcode, please note your passcode somewhere safe as a memory back-up in case you should forget it. This as there is no way to reset the radio should the passcode be forgotten!

WARRANTY

This radio has a 2 year limited warranty.

WARNING ! Warranty becomes void once the radio cabinet has been opened or any modifications or alterations to the radio have been made !

The terms of the warranty of this radio do not cover the following:

- Damage caused by misuse, abuse, neglect, alterations, accidents or unauthorised repair.
- Normal wear and tear.
- Breaking or bending of the metal telescopic antenna.

INFORMATION



This device is noise-suppressed according to the applicable EU directives.

This product fulfills the European directives 2006/95/EC, 2005/32/EC and 2004/108/EC.

This device conforms to the safety regulation DIN EN 60065 (VDE 0860) and therefore the international safety regulation IEC 60065. Never open the device casing. The manufacturer will not accept any liability for damage resulting from improper handling. The type plate is located on the bottom of the device.

Environmental note



This product has been made from high-quality parts and materials, which can be reused and recycled.

Therefore, do not throw the product away with normal household waste at the end of its life. Take it to a collection point for recycling electrical and electronic device. This is indicated by this symbol on the product, in the operating manual and on the packaging.

Please find out about collection points operated by your local authority. Help protect the environmental by recycling used products.

Technical data

Power supply

Mains operation:
AC 230 V ~, 50/60Hz

Power consumption

Operation: ≤ 85 W
Standby: ≤ 0,5 W

Frequency coverage

FM 87,5 – 108,0 MHz
DAB 174,928 – 239,200 MHz

Speaker

Woofers 2 x Ø130mm, 4 ohms
Tweeter 2 x Ø45mm, 8 ohms

Output Power

Nominal 2 x 25W

Aux in socket

Ø3,5mm

Dimensions and weight

W x H x D: 485 x 306 x 263 mm
Net Weight: 6.6 kg