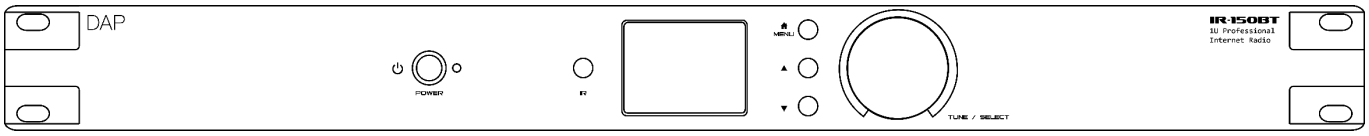
DAP

USER MANUAL



ENGLISH

IR-150BT Media Player V1

Product code: D1247

Preface

Thank you for purchasing this DAP product.

The purpose of this user manual is to provide instructions for the correct and safe use of this product.

Keep the user manual for future reference as it is an integral part of the product. The user manual shall be stored at an easily accessible location.

This user manual contains information concerning:

- Safety instructions
- Installation and operation of the device
- Intended and non-intended use of the device
- Maintenance procedures
- Troubleshooting
- Transport, storage and disposal of the device

Non-observance of the instructions in this user manual may result in serious injuries and damage of property.

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1. Introduction

1.1. Before Using the Product

Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

After unpacking, check the contents of the box. If any parts are missing or damaged, contact your Highlite International dealer.

Your shipment includes:

- DAP IR-150BT Media Player
- Schuko to IEC power cable (1,5 m)
- Wi-Fi antenna
- DAB/FM wire antenna
- Remote control
- User manual

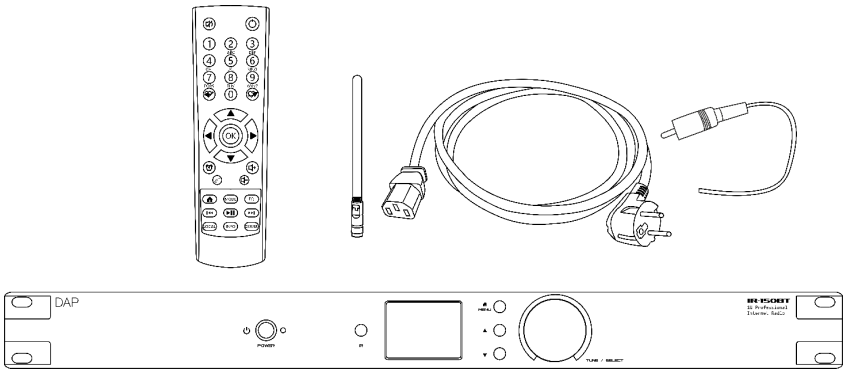


Fig. 01

1.2. Intended Use

This device is intended for use as a media player. It is suitable only for indoor installation. It is not suitable for households.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

1.3. Text Conventions

Throughout the user manual the following text conventions are used:

- Buttons: All buttons are in bold lettering, for example "Press the **UP/DOWN** buttons"
- References: References to chapters and parts of the device are in bold lettering, for example: "Refer to **2. Safety**", "press the **power switch (03)**"
- 0–255: Defines a range of values
- Notes: **Note:** (in bold lettering) is followed by useful information or tips

1.4. Symbols and Signal Words

Safety notes and warnings are indicated throughout the user manual by safety signs.

Always follow the instructions provided in this user manual.



DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING Indicates an imminently hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.



Attention Indicates important information for the correct operation and use of the product.



Important Read and observe the instructions in this document.



Electrical hazard



Provides important information about the disposal of this product.

1.5. Symbols on the Information Label

This product is provided with an information label. The information label is located on the bottom plate of the device.

The information label contains the following symbols:



This device is designed for indoor use.



This device falls under IEC protection class I.



This device shall not be treated as household waste.



Caution: Risk of electric shock. Disconnect input power before opening.
Warning: This appliance must be earthed.

2. Safety



Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

2.1. Warnings and Safety Instructions



DANGER
Danger for children

For adult use only. The device must be installed beyond the reach of children.

- Do not leave various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within children's reach. Packaging material is a potential source of danger for children.



DANGER
Electric shock caused by short-circuit

This device falls under IEC protection class I.

- Make sure that the device is electrically connected to ground (earth). Connect the device only to a socket-outlet with ground (earth) connection.
- Do not cover the ground (earth) connection.
- Do not let the power cable come into contact with other cables. Handle the power cable and all connections with the mains with caution.
- Do not modify, bend, mechanically strain, put pressure on, pull or heat up the power cable.
- Make sure that the power cable is not crimped or damaged. Examine the power cable periodically for any defects.
- Do not immerse the device in water or other liquids. Do not install the device in a location where flooding may occur.
- Do not use the device during thunderstorms. Disconnect the device from the electrical power supply immediately.



WARNING
Electric shock caused by dangerous voltage inside

There are areas within the device where dangerous touch voltage may be present.

- Do not open the device or remove any covers.
- Do not operate the device if the covers are open.
- Disconnect the device from electrical power supply before service and maintenance, and when the device is not in use.



Attention
Power supply

- Before connecting the device to the power supply, make sure that the current, voltage and frequency match the input voltage, current and frequency specified on the information label on the device.
- Make sure that the cross-sectional area of the extension cords and power cables is sufficient for the required power consumption of the device.



Attention
General safety

- Do not block the ventilation openings. Without proper heat dissipation and air circulation, the internal components may overheat. This can result in product damage.
- Do not shake the device. Avoid brute force when installing or operating the device.
- If the device is dropped or struck, disconnect the device from the electrical power supply immediately.
- If the device is exposed to extreme temperature variations (e.g. after transportation), do not switch it on immediately. Let the device reach room temperature before switching it on, otherwise it may be damaged by the formed condensation.
- If the device fails to work properly, discontinue the use immediately.



Attention
This device shall be used only for the purposes it is designed for.

This device is designed to be used as a media player. Any incorrect use may lead to hazardous situations and result in injuries and material damage.

This device does not contain user-serviceable parts. Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.



Attention
Do not expose the device to conditions that exceed the rated IP class conditions.

This device is IP20 rated. IP (Ingress Protection) 20 class provides protection against solid objects greater than 12 mm, such as fingers, and no protection against harmful ingress of water.

2.2. Requirements for the User

This product may be used by ordinary persons. Maintenance and installation may be carried by ordinary persons. Service shall be carried out only by instructed or skilled persons. Contact your Highlite International dealer for more information.

Instructed persons have been instructed and trained by a skilled person, or are supervised by a skilled person, for specific tasks and work activities associated with the service of this product, so that they can identify risks and take precautions to avoid them.

Skilled persons have training or experience, which enables them to recognize risks and to avoid hazards associated with the service of this product.

Ordinary persons are all persons other than instructed persons and skilled persons. Ordinary persons include not only users of the product but also any other persons that may have access to the device or who may be in the vicinity of the device.

3. Description of the Device

The IR-150BT Media Player can be installed in a standard 19-inch rack. It supports multiple (wireless) media sources, such as: DAB+, FM radio, AUX in/out and BT. The device can also be operated with the supplied IR remote control.

3.1. Front View

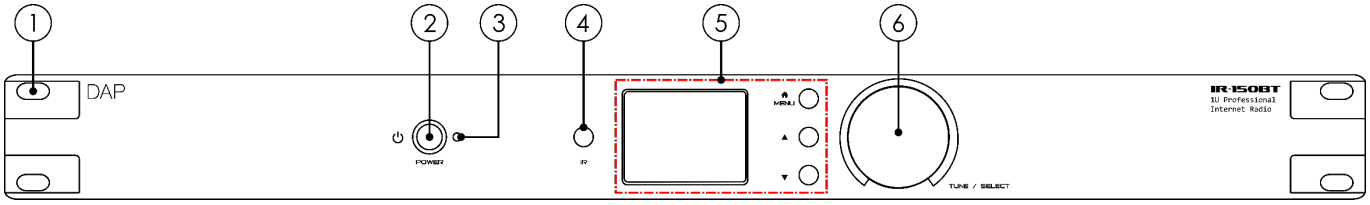


Fig. 02

01) 4 x mounting openings (for installation in a 19-inch rack)
02) Stand-by button
03) Stand-by LED indicator (Blue)
04) Infra-red port
05) 2,4-inch TFT display and control buttons
06) Tune/Select control

3.2. Back View

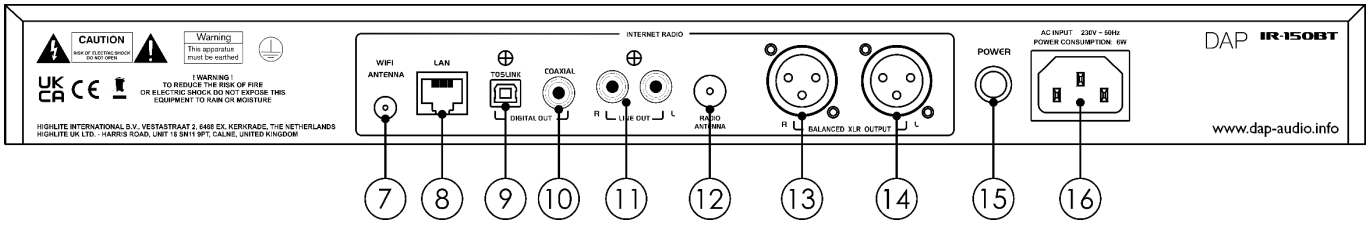


Fig. 03

07) Wi-Fi antenna connector IN
08) RJ45 LAN connector IN
09) Digital connector (TOSLINK) OUT
10) Digital connector (coaxial) OUT
11) RCA analog line-level connectors OUT (Left/Right)
12) DAB/FM wire antenna connector IN
13) 3-pin XLR balanced output (Right)
14) 3-pin XLR balanced output (Left)
15) Power switch ON/OFF
16) IEC power connector IN

3.3. Product Specifications

Model:	IR-150BT Media Player
Electrical:	
Input voltage:	220–240 V AC, 50 Hz
Power consumption:	6 W
Playback:	
Supported audio files:	AAC/AAC+, FLAC, MP3
Audio Specifications:	
Playback functions:	Play/Folder/Function
THD level:	< 0.1%
Signal-to-noise ratio:	> 70 dB
Frequency response:	20 Hz–20 kHz
FM frequency:	87–108 MHz
FM antenna impedance:	75 Ω
DAB+ frequency:	174,928–239,2 MHz
Carrier frequency:	2,4 GHz
BT range:	20 m
Physical:	
Dimensions:	482 x 270 x 44,5 mm (L x W x H)
Weight:	1,8 kg
Operation and control:	
Control panel:	2,4-inch TFT display and buttons
Connections:	
Power connections:	IEC power connector IN
Input connections:	RJ45 Ethernet connector IN,
Output connections:	2 x 3-pin XLR balanced, 2 x RCA line-level, 1 x TOSLINK, 1 x coaxial
Construction:	
Housing:	Metal
Color:	Black
IP rating:	IP20
Thermal:	
Maximum ambient temperature t_a:	0–40 °C

3.4. Dimensions

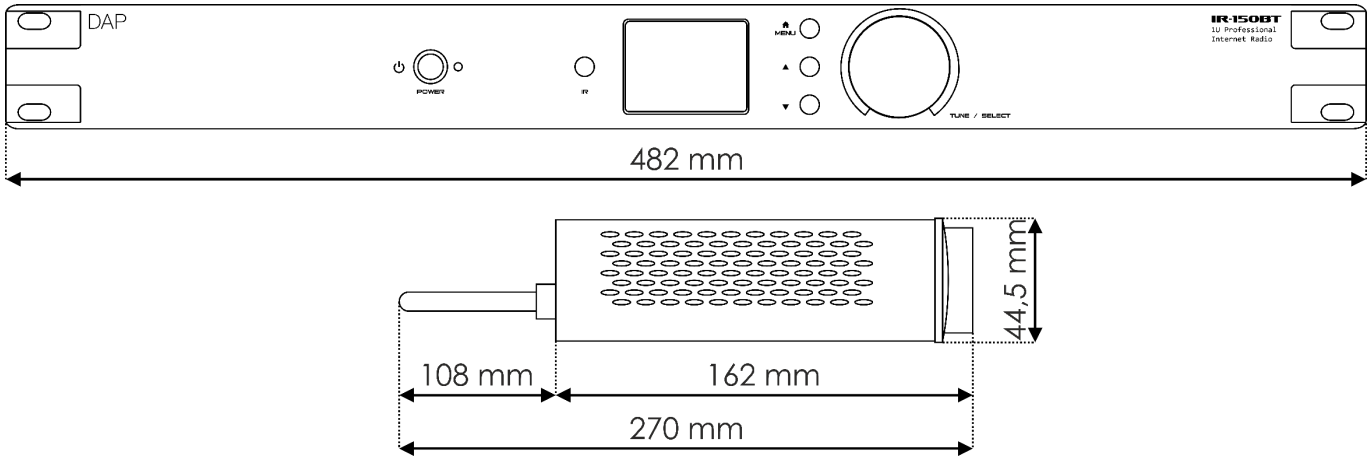


Fig. 04

4. Installation

4.1. Safety Instructions for Installation



Attention
Make sure there is enough space for ventilation around the device.

- Do not block the ventilation openings. Without proper heat dissipation and air circulation, the internal components may overheat. This can result in product damage.
- Do not install near equipment that produces heat, for example amplifiers.

4.2. Installation Site Requirements

- The device must be installed only indoors.
- The device can be placed on a flat surface or mounted in a standard 19-inch rack.
- The maximum ambient temperature t_a = 40 °C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40 °C.

4.3. Rack Mounting

The device can be mounted in a standard 19-inch rack. The device requires 1 rack unit (RU) of space, which is 44,5 mm high.

Make sure that the rack is sufficiently secured to prevent it from becoming unstable or falling over.

To mount the device in a two-post rack, follow the steps below:

01) Insert 4 cage nuts in the openings on the rack posts where you want to mount the device.
02) Position the device in front of the rack posts so that the 4 **mounting openings (01)** on the flanges face the openings on the rack posts with cage nuts.
03) Using a screwdriver, mount the device to the rack posts with 4 screws.

4.4. Connecting the Wi-Fi Antenna

01) Put the Wi-Fi antenna into the **Wi-Fi antenna connector (07)**.
02) Turn the Wi-Fi antenna clockwise to tighten it.

Note: Make sure that the Wi-Fi antenna points up.

4.5. Connecting the DAB/FM Wire Antenna

Put the DAB/FM wire antenna into the **DAB/FM wire antenna connector (12)**.

4.6. Connecting the Device to a Router

To make a LAN connection, it is necessary to connect the device to a router.

01) Plug one end of the network cable into an RJ45 connector on your router.
02) Plug the other end of the network cable into the **RJ45 LAN connector (08)** on the device.

Note:

If you use a network cable and the DHCP function on the router is activated, it is not necessary to configure the network.

4.7. Connecting Audio Devices

Connect audio devices to the audio outputs. The device has the following audio outputs: **TOSLINK connector (09)**, **coaxial connector (10)**, **RCA analog line-level connectors (11)** and 2 x **3-pin XLR connectors (13/14)**. To avoid interference, the IR-150BT Media Player shall be turned off when connecting devices.

Connect the **RCA analog line-level connectors (11)** to the audio devices such as, an amplifier, an active speaker, a console, etc.

If your audio device has digital inputs, connect those to the digital **TOSLINK connector (09)** or the **coaxial connector (10)**.

4.7.1. DAB/FM Signal Reception

To receive radio stations in DAB or FM, connect your audio device to the **RCA analog line-level connectors (11)** or to the 2 x **3-pin XLR connectors (13/14)**. The digital outputs **TOSLINK connector (09)** and the digital **coaxial connector (10)** do not work in this operation mode.

Connect a correct antenna (for example, a household aerial antenna) to the **DAB/FM wire antenna connector (12)**.

If reception conditions are good, you can connect the supplied wire antenna. If possible, put the device near a window and unwind the antenna.

4.8. Installation of the Batteries

The supplied remote control is delivered without batteries. It accepts 2 x AAA 1,5 V (alkaline) batteries.

To install the batteries:

01) Press on the battery compartment cover and move it down, to open (Fig. 05).
02) Insert 2 x AAA 1,5 V batteries into the battery housing (Fig. 06).
03) Close the battery compartment cover (Fig. 07).

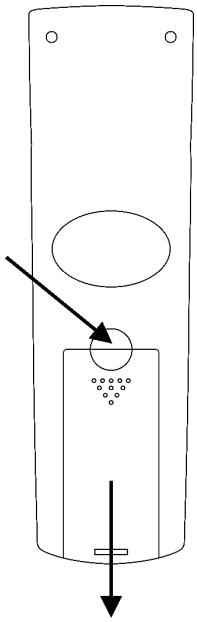


Fig. 05

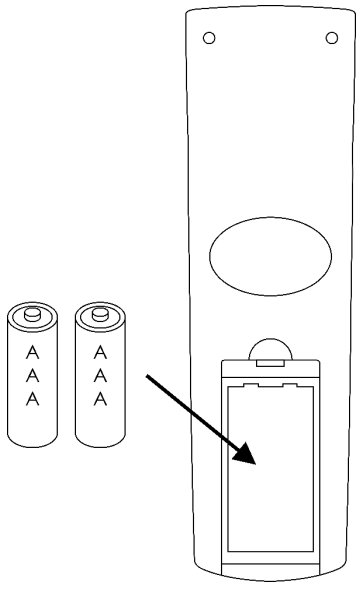


Fig. 06

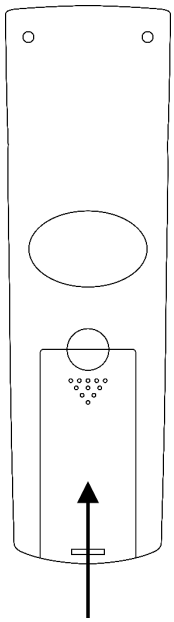


Fig. 07

Note:

Make sure that you install the batteries with correct polarity orientation.

4.9. Connecting to Power Supply



DANGER
Electric shock caused by short-circuit

The device accepts AC mains power at 220–240 V and 50 Hz. Do not supply power at any other voltage or frequency to the device.

This device falls under IEC protection class I. Make sure that the device is always electrically connected to the ground (earth).

Before connecting the device to the socket-outlet:
- Make sure that the power supply matches the input voltage specified on the information label on the device.
- Make sure that the socket-outlet has ground (earth) connection.

Connect the device to the socket-outlet with the power plug.

5. Setup

5.1. Warnings and Precautions



Attention
Connect all data cables before supplying power.
Disconnect power supply before connecting or disconnecting data cables.

When the IR-150BT Media Player is not connected to other devices, it functions as a stand-alone device. It can be operated manually or with an infrared (IR) remote control.

For more information about the control modes, refer to **6.2. Control Modes** on page 17.

5.2. Turning On/Off/Stand-by

The device has a power switch and a stand-by switch.

5.2.1. Power switch On/Off

- Set the **power switch (15)** to ON position to turn on the device.
- Set the **power switch (15)** to OFF position to turn off the device.

Make sure that the device is turned off with the **power switch (15)** when the device is not in use, to save energy.

Note:

The alarm function does not work when the device is turned off.

5.2.2. Stand-by

When the device is not used, it can operate in Stand-by mode.

01) Press the **stand-by button (02)** to turn the stand-by function on. The **LED indicator (03)** will light blue. The display shows the date and time.



02) Press the **stand-by button (02)** again to turn the stand-by function off. The **LED indicator (03)** will turn off. The display shows the main menu.

5.3. Software Updates

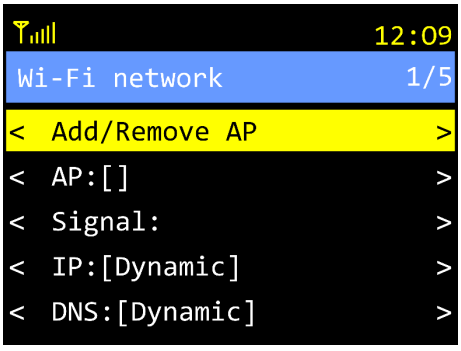
When a new software update is available, it will be downloaded and installed automatically the next time the device is on and connected to the internet. Do not turn the device off when the software is being updated.

5.4. Network Setup

The IR-150BT Media Player can be connected to a computer, laptop, tablet or smartphone with a wireless module (Wi-Fi). It is also possible to connect the devices with a CAT-5 cable (LAN).

5.4.1. Wi-Fi Setup

In this section you can connect the device to the router. You can configure your network connection in one of the 3 ways: Scan, with WPS or via Esptouch app on your smartphone. See **5.4.1.1. Wi-Fi Setup via Esptouch App** on page 14, for more information.



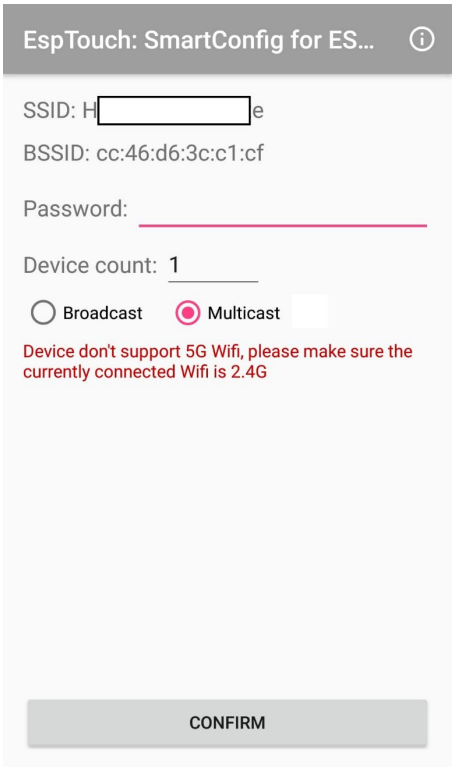
01) Turn the **TUNE/SELECT** control to choose ADD/REMOVE AP.
02) Press the **TUNE/SELECT** control to confirm.
03) Turn the **TUNE/SELECT** control to choose ADD AP(SCAN), ADD AP(WPS BUTTON) or ADD AP(SMARTCONFIG). See **Wi-Fi Network** on page 37, for more information.
04) Press the **TUNE/SELECT** control to confirm.

5.4.1.1. Wi-Fi Setup via Esptouch App

It is possible to configure the network with Esptouch app, using a smartphone.

Note: Esptouch app does not support 5G networks.

01) Download Esptouch app from the iOS App Store or the Android Play Store to your smartphone.
02) Connect your smartphone to the same Wi-Fi network that you want to connect the IR-150BT Media Player to.
03) Start Esptouch on your smartphone. The smartphone's display shows:



04) Enter the password of your Wi-Fi network in PASSWORD field.
05) Choose **MULTICAST**.
06) Click **CONFIRM**.
07) Choose ADD AP(SMARTCONFIG) in Wi-Fi Network menu. (See **Wi-Fi Network** on page 37, for more information.) The IR-150BT Media Player will connect to the network.
08) When the connection is successful, the device's display reads "Association complete".

5.4.2. LAN Setup

If the device is connected to your router with a network cable, internet access is automatic. No further actions are necessary.

5.4.3. Network Indicator Display Status

The Wi-Fi indicator is visible in the upper left corner of the display. It has the following 2 statuses:

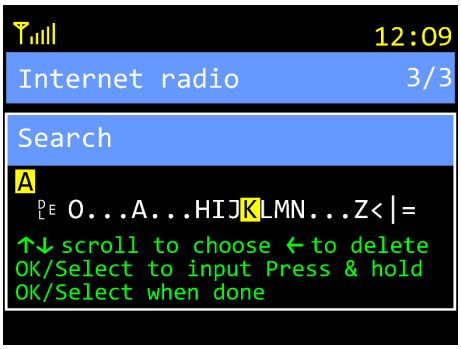


Wi-Fi internet connection



LAN internet connection

5.5. Entering Passwords and Searching for Phrases



To enter a password or search for phrases:

01) Turn the **TUNE/SELECT** control to choose characters and press the **TUNE/SELECT** control to confirm. Repeat this step to type in the desired word or phrase. The available characters are uppercase letters, digits, punctuation marks, and some symbols.

Note: If you make a mistake, press the **UP** button to remove the wrong character.

02) Press and hold down the **TUNE/SELECT** control for 5 seconds to confirm.

5.6. Setup Example

A typical setup with the device:

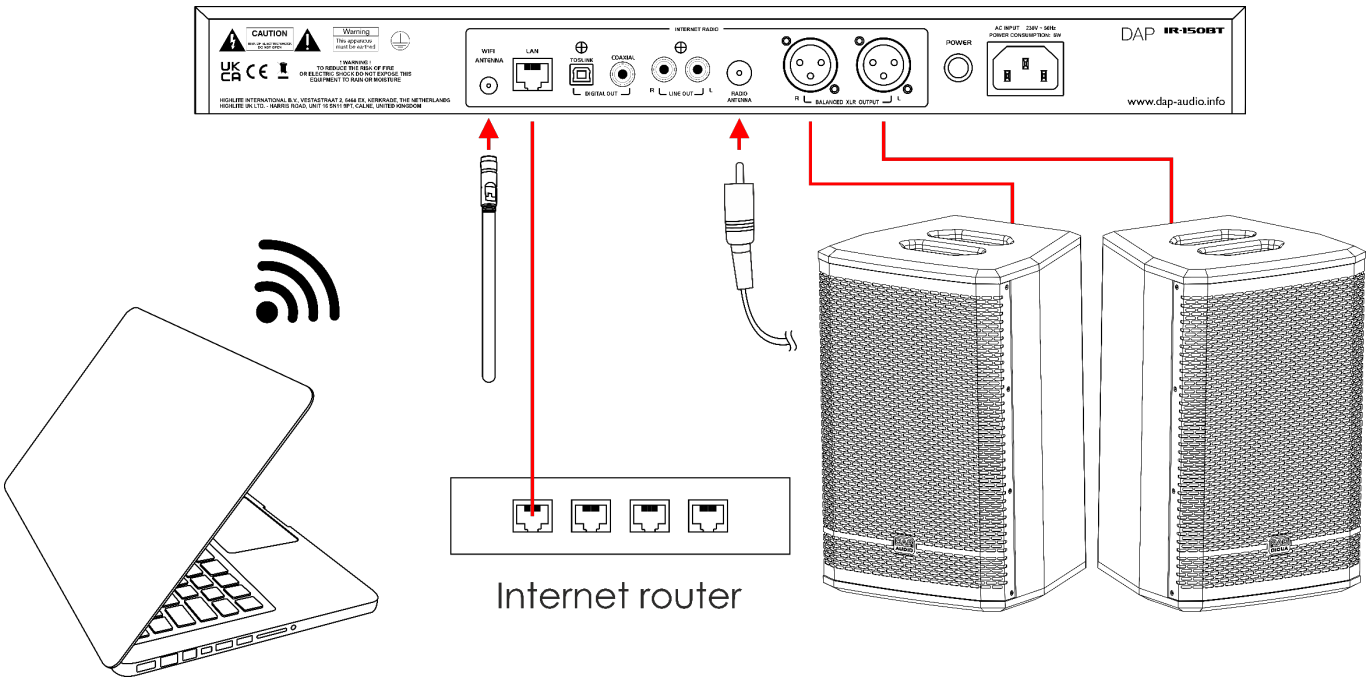


Fig. 08

6. Operation

6.1. Safety Instructions for Operation



Attention
This device must be used only for the purposes it is designed for.

This device is intended for use as a media player. It is suitable only for indoor installation. It is not suitable for households.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.



Attention
Power supply

Before connecting the device to the power supply, make sure that the current, voltage and frequency match the input voltage, current and frequency specified on the information label on the device.

6.2. Control Modes

To use the device, it is necessary to establish an internet connection. See **5.4. Network Setup** on page 13, for more information.

The IR-150BT Media Player supports the following control modes:

- Internet radio
- Media centre (UPnP/DLNA)
- DAB radio
- FM radio
- BT

To use the internet radio, see **6.6.2. Internet Radio** on page 26, for more information.

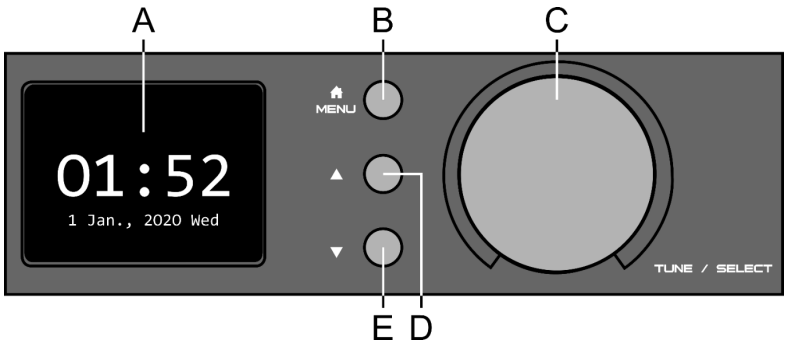
To use the media center, see **6.6.3. Media Centre** on page 28, for more information.

To use the DAB function, see **6.6.4. DAB Radio** on page 30, for more information.

To use the FM radio, see **6.6.5. FM Radio** on page 30, for more information.

To use BT, see **6.6.6. BT** on page 31, for more information.

6.3. Control Panel



A) TFT display
B) MENU button
C) TUNE/SELECT control
D) UP button
E) DOWN button

Fig. 09

- Use the **MENU** button to switch between the main menu and the last active operation mode.
- Use the **UP** button to navigate through the main menu, to scroll through the available characters/numbers, to return to the previous menu screen or to cancel your choice.
- Use the **DOWN** button to navigate through the main menu, to scroll through the available characters/numbers or to browse through radio station information screens.
- Use the **TUNE/SELECT** control to navigate through the menus, to confirm your choices, to insert passwords or to set the volume.

6.4. Start-up

If you start the device for the first time, you will have to choose the menu language and configure the wireless network. You need to perform these actions only once.

6.4.1. Choosing Menu Language

See **6.6.9.3. Language** on page 40, for more information.

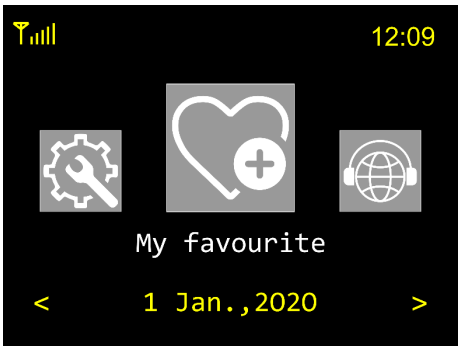
6.4.2. Configuring the Network for the First Time

- If you use LAN, the device will automatically connect to the network.
- If you use Wi-Fi, you will have to configure the network. See **5.4. Network Setup** on page 13, for more information.

When the network is configured or when you use LAN (and on each subsequent start-up), the display shows:



After 5 seconds the display shows the main menu.

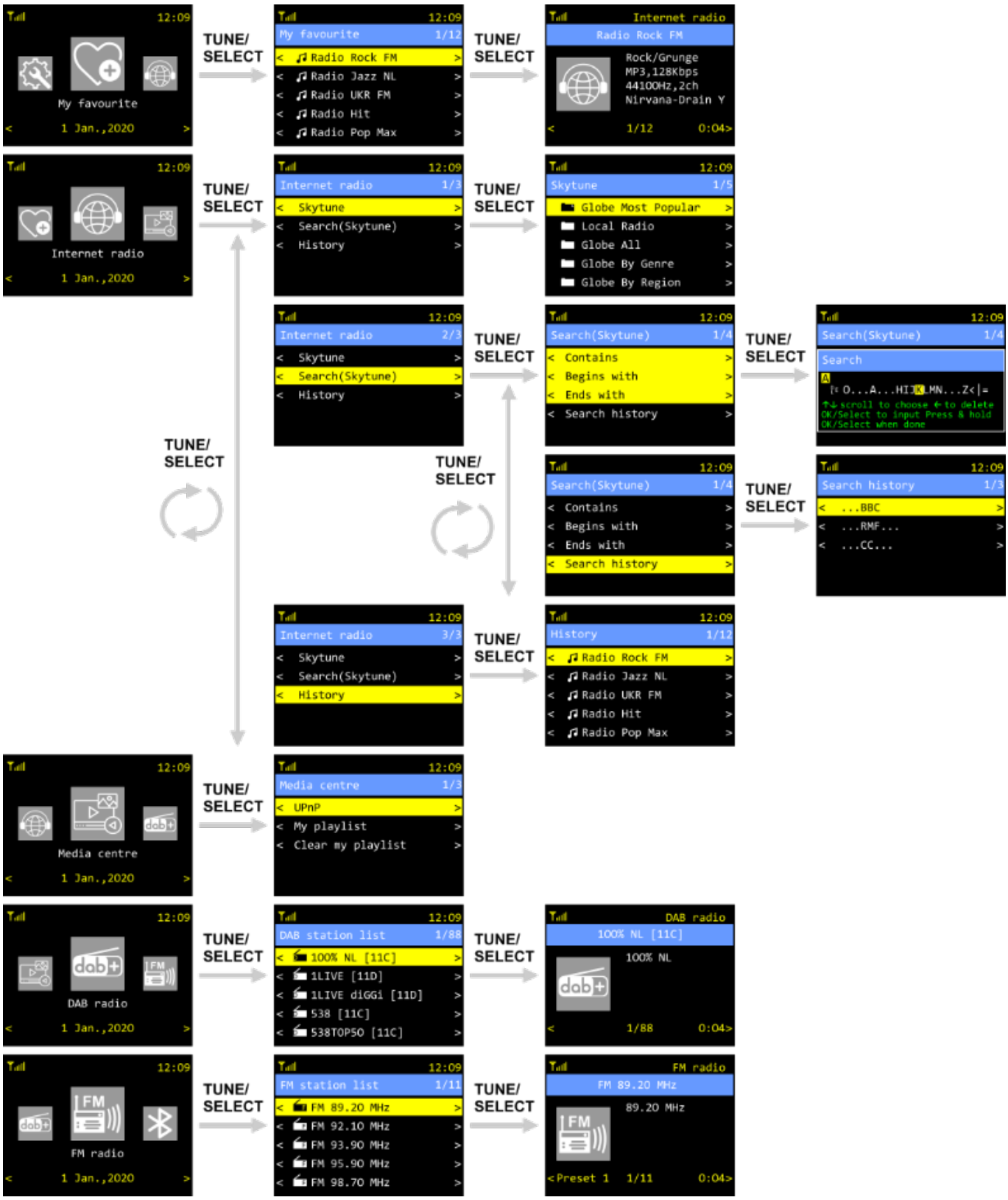


After a few seconds the device will enter the previously used operation mode.

Note:

If no button is pressed, after 20 seconds of inactivity, the display will return to the currently used operation mode. Press the **MENU** button to return to the main menu.

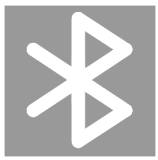
6.5. Menu Overview




12:09
FM
Bluetooth
< 1 Jan.,2020 >
TUNE/
SELECT
Bluetooth
Bluetooth
IR-150BT
Paused
80:1E:34:92:E2:A9
Press Right to disconnect
12:09
Alarm
< 1 Jan.,2020 >
TUNE/
SELECT
12:09
Alarm 1/2
< Alarm1 [Off] >
< Alarm2 [Off] >
TUNE/
SELECT
12:09
Alarm1 1/2
< Turn on >
< Turn off >
TUNE/
SELECT
12:09
Alarm 1 [00:00] 1/5
< Time:00:00 >
< Sound:Tone >
< Repeat:Everyday >
< Alarm volume:5% >
< Alarm duration:30 Minutes >
12:09
Sleep timer
< 1 Jan.,2020 >
TUNE/
SELECT
12:09
Sleep timer 1/9
< ✓ Turn off >
< 15 minutes >
< 30 minutes >
< 45 minutes >
< 60 minutes >
12:09
Configuration
< 1 Jan.,2020 >
TUNE/
SELECT
12:09
Configuration 1/16
< Network >
< Date & Time >
< Language >
< DAB setup >
< FM setup >

6.6. Main Menu Options

The main menu has the following options:

	My Favourite	My Favorite (see **6.6.1. My Favourite**)
	Internet Radio	Internet Radio (see **6.6.2. Internet Radio**)
	Media Centre	Media Centre (see **6.6.3. Media Centre**)
	DAB Radio	DAB Radio (see **6.6.4. DAB Radio**)
	FM Radio	FM Radio (see **6.6.5. FM Radio**)
	BT	BT (see **6.6.6. BT**)
	Alarm	Alarm (see **6.6.7. Alarm**)
	Sleep Timer	Sleep Timer (see **6.6.8. Sleep Timer**)
	Configuration	Configuration (see **6.6.9. Configuration**)

- Turn the **TUNE/SELECT** control to navigate through the menu and to choose options in submenus.
- Press the **TUNE/SELECT** control to open the submenus and to confirm your choices.
- Press the **UP** button to return to a previous menu screen or to cancel your latest input.
- Press the **DOWN** button to scroll for more options (if available).

6.6.1. My Favourite

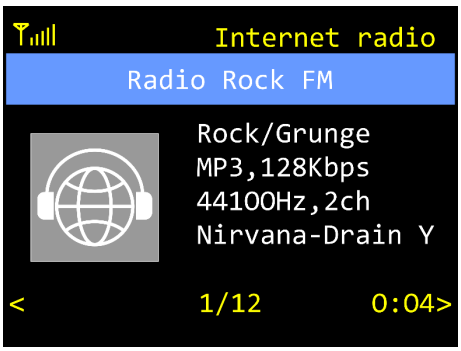
In this menu you can browse through and listen to your favorite internet radio stations.

Note:

To be able to browse through your favorite internet radio stations, you need to search for and save them on the device. See **6.6.2. Internet Radio** on page 26 and **6.7. Saving Internet Radio Stations to My Favourite** on page 49, for more information.



01) Turn the **TUNE/SELECT** control to choose one of the available radio stations.
02) Press the **TUNE/SELECT** control to confirm. The display shows the information screen:

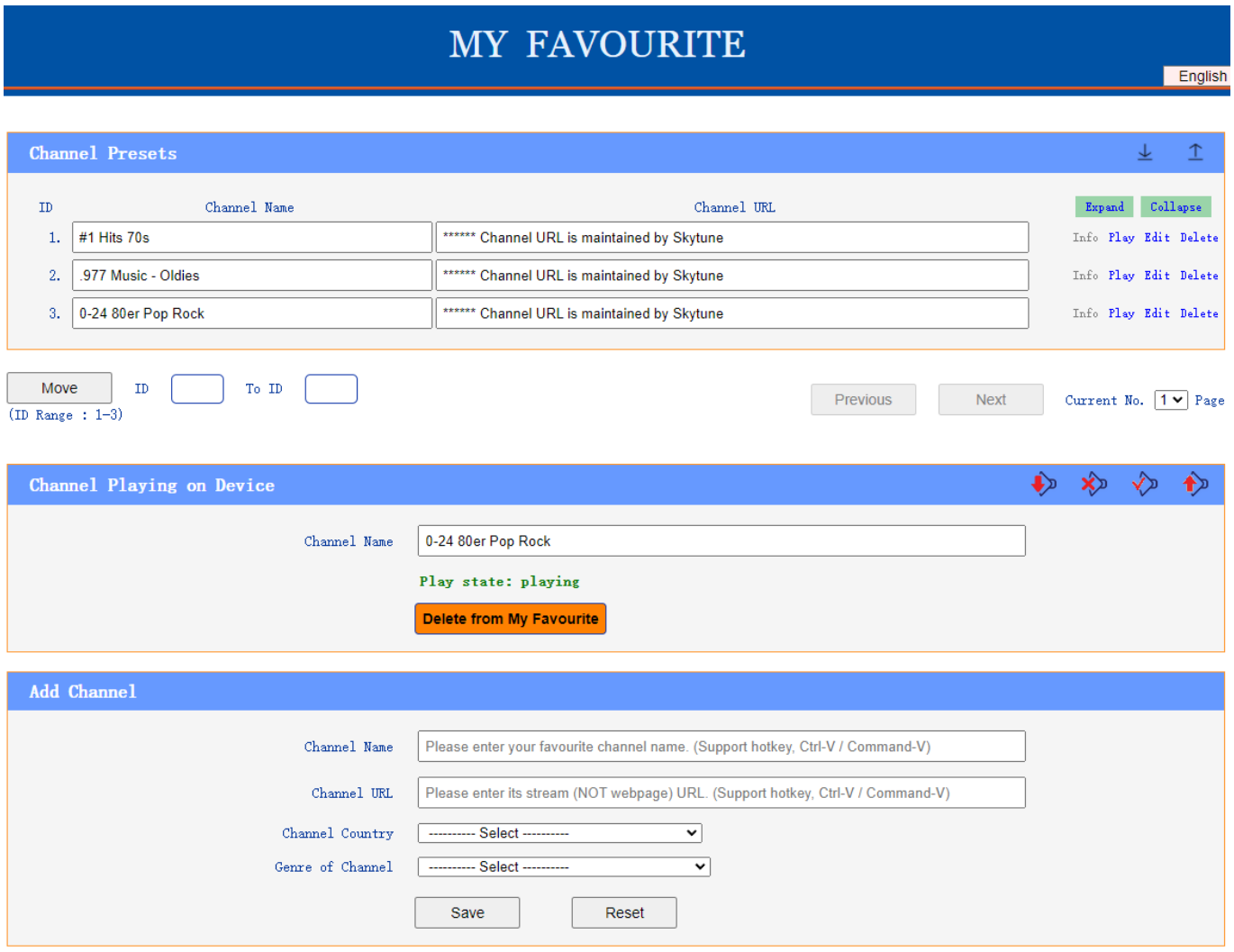


03) Set the volume. See **6.9. Setting Volume** on page 50, for more information.

6.6.1.1. Managing My Favourite With a PC or Smartphone

It is possible to view and edit My Favourite with a PC or a smartphone.

01) Connect your PC/smartphone to the same Wi-Fi network as the IR-150BT Media Player.
02) Find the IR-150BT Media Player's IP address. See **Network Information** on page 48, for more information.
03) Open an internet browser.
04) Enter the IP address in the address bar of your internet browser. The screen shows:



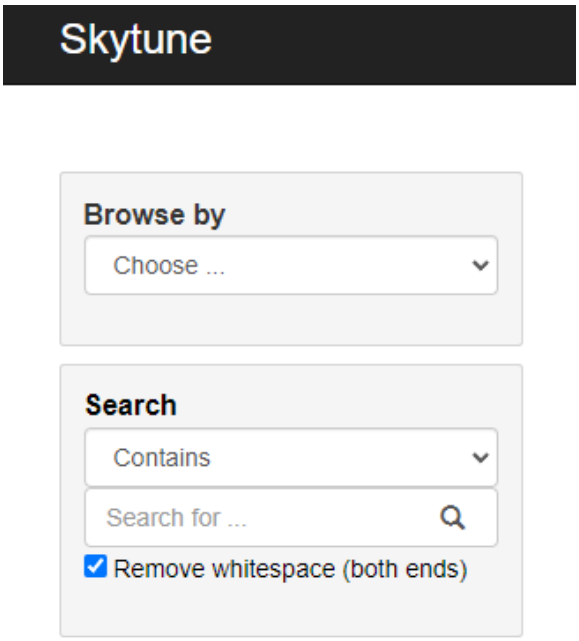
You can view/edit the following options:

- ID — Number on the list
- Channel Name — Station name
- Channel URL — Audio stream/DAB/FM data address
- Play — Activate station
- Edit — Edit station information
- Delete — Delete station from the list
- Move — Move station on the list
- Channel Playing On Device — Currently active station
- Delete from My Favourite — Delete station from My Favourite
- Add Channel — Insert station name and URL
- Save — Save newly added station
- Reset — Reset information

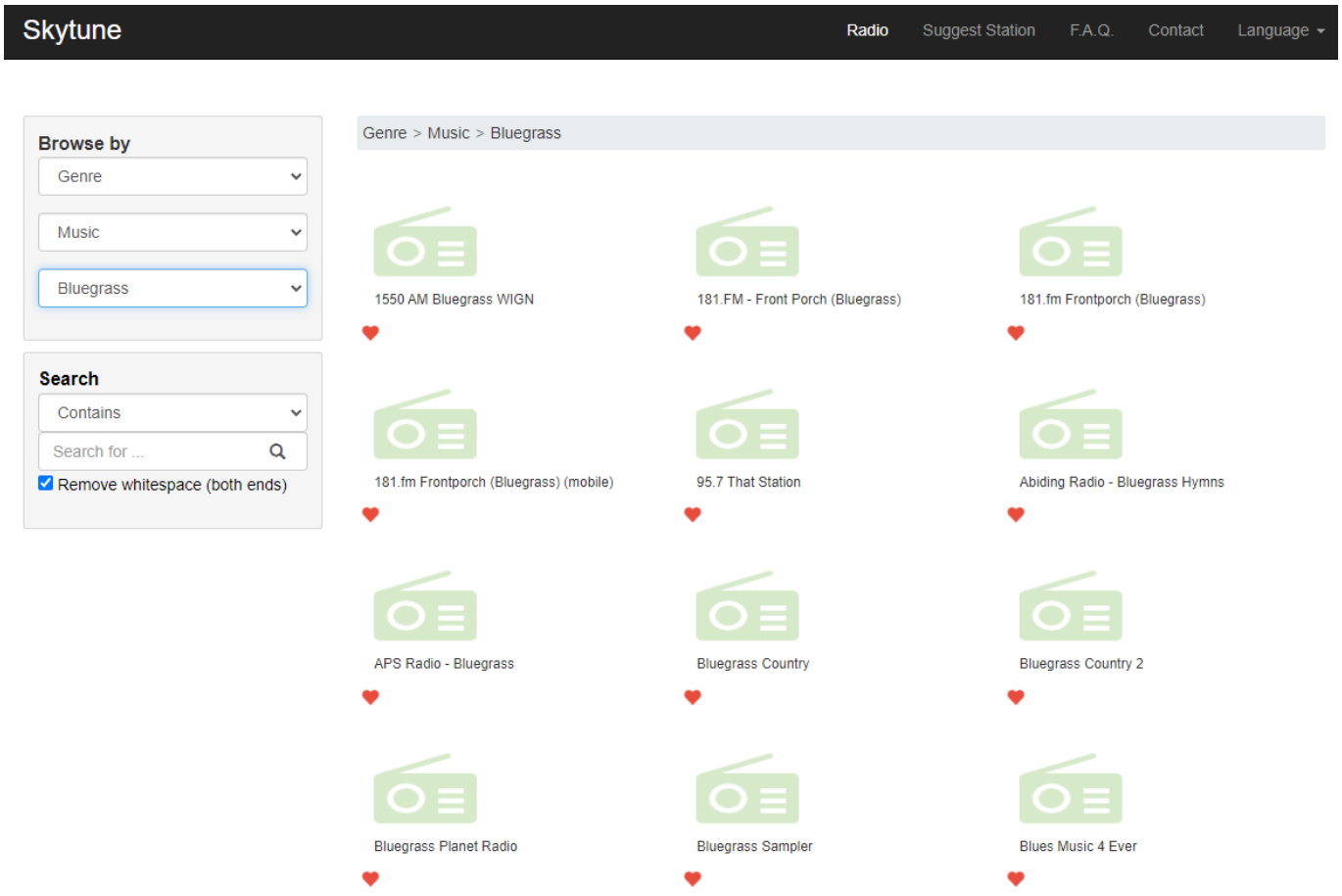
6.6.1.2. Managing My Favourite With the Skytune Radio Portal

It is possible to view and edit My Favourite with the Skytune radio portal.

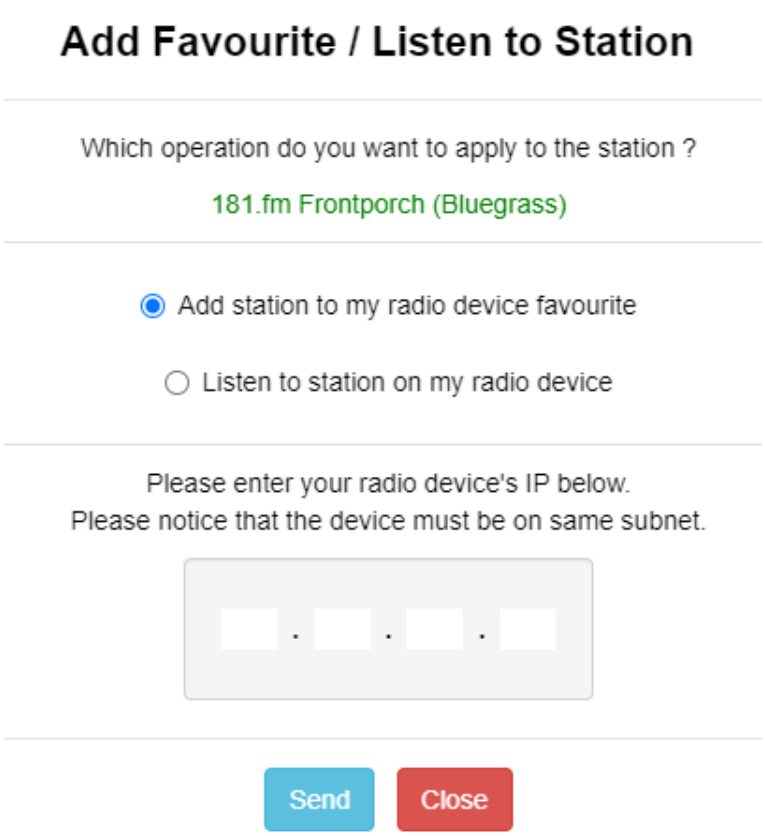
01) Connect your PC/smartphone to the same Wi-Fi network as the IR-150BT Media Player.
02) Open an internet browser.
03) Enter www.skytune.net in the address bar of your internet browser.
04) Click **BROWSE/SEARCH** button on the screen. The screen shows:



05) Search for a desired radio station. The screen shows:



06) Click on the heart icon next to the desired radio station. The screen shows:

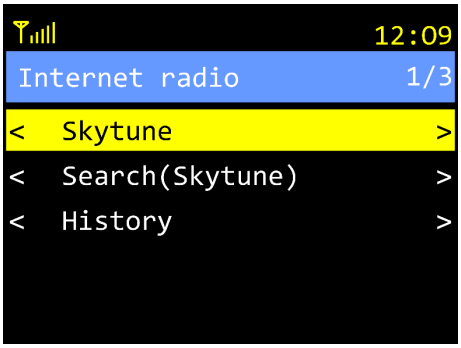


07) Check one of the 2 options:
- ADD STATION TO MY RADIO DEVICE FAVOURITE (Add the station to My Favourite.)
- LISTEN TO STATION ON MY RADIO DEVICE (Listen to the station without adding to My Favourite.)

08) Find the device's IP address. See **Network Information** on page 48, for more information.
09) Enter the IP address in the IP address field.
10) Click **SEND** to confirm the action. The desired radio station will be added to My Favourite. You will be redirected to My Favourite screen. See **6.6.1.1. Managing My Favourite With a PC or Smartphone** on page 23, for more information.

6.6.2. Internet Radio

In this menu you can search for and listen to internet radio stations.

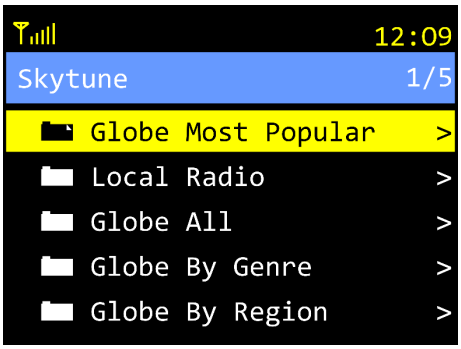


01) Turn the **TUNE/SELECT** control to choose one of the 3 options:
- SKYTUNE (See **6.6.2.1. Skytune**)
- SEARCH(SKYTUNE) (See **6.6.2.2. Search(Skytune)**)
- HISTORY (See **6.6.2.3. History**)

02) Press the **TUNE/SELECT** control to confirm.

6.6.2.1. Skytune

In this menu you can browse through the available internet radio stations.

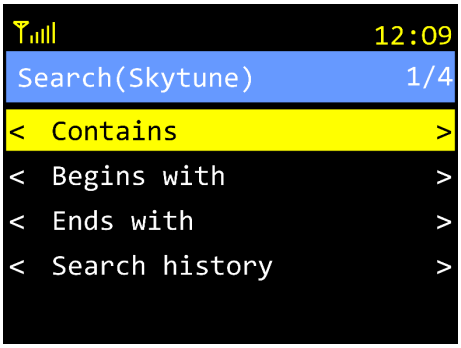


01) Turn the **TUNE/SELECT** control to choose one of the 5 options:
- GLOBE MOST POPULAR (Most popular internet radio stations in the world)
- LOCAL RADIO (Local internet radio stations)
- GLOBE ALL (All internet radio stations)
- GLOBE BY GENRE (Internet radio stations grouped by genre)
- GLOBE BY REGION (Internet radio stations grouped by continent, country and genre)

02) Press the **TUNE/SELECT** control to confirm.
03) Turn the **TUNE/SELECT** control to choose folders/subfolders.
04) Press the **TUNE/SELECT** control to open folders/subfolders.
05) Press the **TUNE/SELECT** control to activate internet radio stations.
06) Set the volume. See **6.9. Setting Volume** on page 50, for more information.

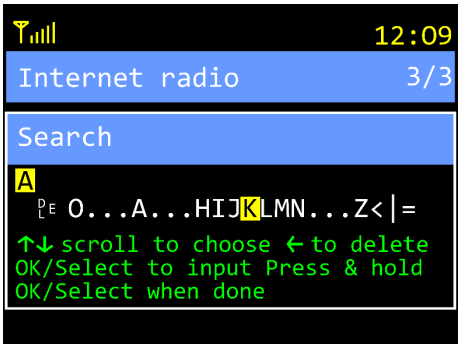
6.6.2.2. Search(Skytune)

In this menu you can search for internet radio stations by name.



01) Turn the **TUNE/SELECT** control to choose one of the 4 options:
- CONTAINS (Search for words and phrases.)
- BEGINS WITH (Search for the initial name letters.)
- ENDS WITH (Search for the final name letters.)
- SEARCH HISTORY (Search for the words/phrases/letters that you searched for before.)

02) If you chose CONTAINS, BEGINS WITH or ENDS WITH, press the **TUNE/SELECT** control to confirm. The display shows:

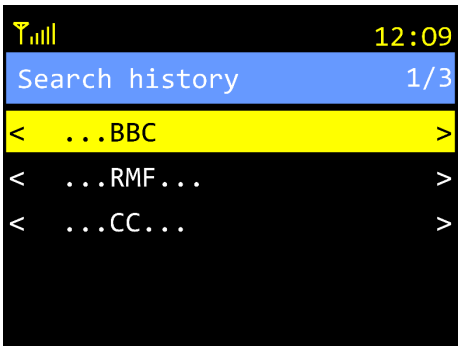


03) Turn the **TUNE/SELECT** control to choose characters and press the **TUNE/SELECT** control to confirm. Repeat this step to type in the desired word or phrase. The available characters are uppercase letters, digits, punctuation marks, and some symbols.

Note: If you make a mistake, press the **UP** button to remove the wrong character.

04) Press and hold down the **TUNE/SELECT** control for 5 seconds to search for internet radio stations containing the desired word or phrase.
05) Turn the **TUNE/SELECT** control to choose internet radio stations.
06) Press the **TUNE/SELECT** control to activate the chosen internet radio station.
07) Set the volume. See **6.9. Setting Volume** on page 50, for more information.

If you chose Search History in step 1, press the **TUNE/SELECT** control to confirm. The display shows:



Turn the **TUNE/SELECT** control to choose the desired word or phrase and press the **TUNE/SELECT** control to confirm. The device will search for radio stations containing the chosen word or phrase.

6.6.2.3. History

In this menu you can view and activate up to 99 recently listened to internet radio stations.

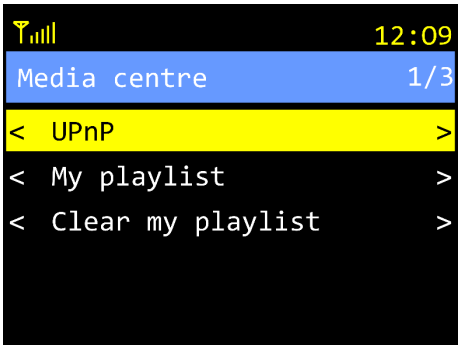


01) Turn the **TUNE/SELECT** control to choose internet radio stations.
02) Press the **TUNE/SELECT** control to activate the chosen internet radio station.

6.6.3. Media Centre

In this menu you can stream music from a media server (e.g. a PC with Windows Media Player 10 and higher) via UPnP or DLNA.

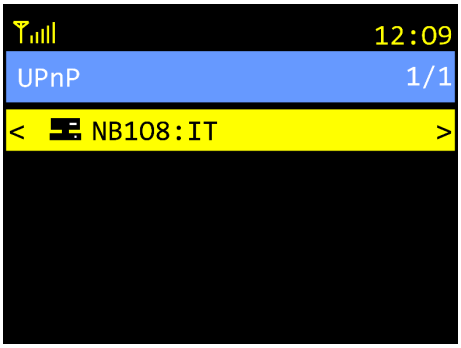
- Enable UPnP on your router and on your PC. Read the user manuals of your PC's operating system and of your router, for more information.
- On your PC, enable sharing of the folders containing music files. Read the user manual of your PC's operating system, for more information



01) Turn the **TUNE/SELECT** control to choose one of the 3 options:
    - UPnP (Universal Plug and Play. See **6.6.3.1. UPnP**.)
    - MY PLAYLIST (My playlist. See **6.6.3.2. My Playlist**.)
    - CLEAR MY PLAYLIST (Clear my playlist. See **6.6.3.3. Clear My Playlist**.)
02) Press the **TUNE/SELECT** control to confirm.

6.6.3.1. UPnP

In this menu you can access the UPnP media server.



01) Turn the **TUNE/SELECT** control to choose the available media server(s).
02) Press the **TUNE/SELECT** control to open the media server.
03) Turn the **TUNE/SELECT** control to browse through the shared folders.
04) Press the **TUNE/SELECT** control to open the chosen folder.
05) Turn the **TUNE/SELECT** control to browse through the shared music files.
06) Press the **TUNE/SELECT** control to play the chosen music file.
07) Press and hold down the **TUNE/SELECT** control for 5 seconds to add the chosen music file to the playlist. See **6.6.3.2. My Playlist** on page 29, for more information.

6.6.3.2. My Playlist

In this menu you can browse through and listen to your favorite UPnP music files. You can add up to 99 music files.

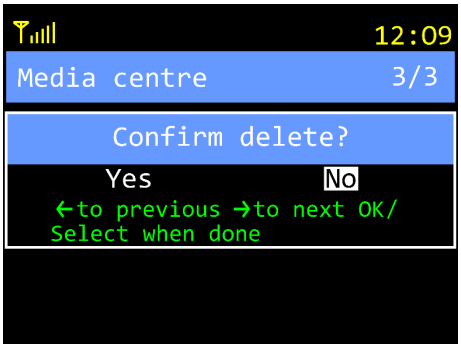
Note:

To be able to browse through your favorite UPnP music files, you need to add them first. See **6.6.3.1. UPnP** on page 29, for more information.

01) Turn the **TUNE/SELECT** control to choose one of the available music files.
02) Press the **TUNE/SELECT** control to confirm. The device will play the chosen file.
03) Set the volume. See **6.9. Setting Volume** on page 50, for more information.

6.6.3.3. Clear My Playlist

In this menu you can clear the UPnP playlist.



01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
    - YES (Yes. The device will clear the playlist.)
    - NO (No. The display will return to the previous menu.)
02) Press the **TUNE/SELECT** control to confirm.

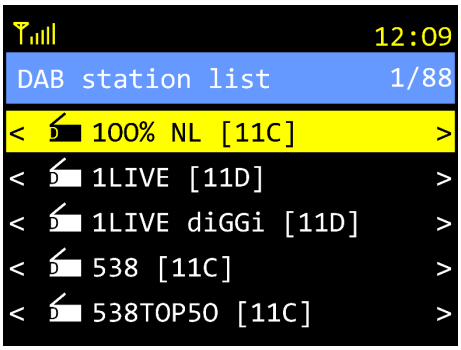
6.6.4. DAB Radio

In this menu you can browse through and listen to DAB radio stations.

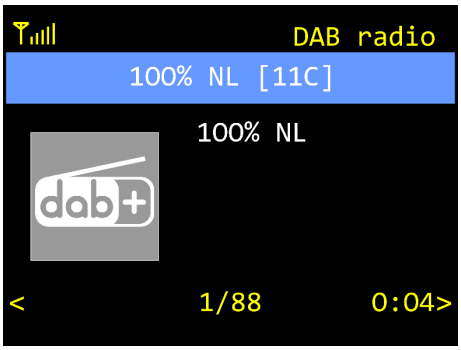
Note:

To be able to browse through DAB radio stations, you need to search for and save them on the device.

01) Press the **TUNE/SELECT** control to start the scan. The display shows "Scan DAB station?".
02) Press the **TUNE/SELECT** control to confirm. The device will search for and save all available DAB radio stations. The display shows:



03) Turn the **TUNE/SELECT** control to choose one of the available DAB radio stations.
04) Press the **TUNE/SELECT** control to confirm. The display shows the information screen:



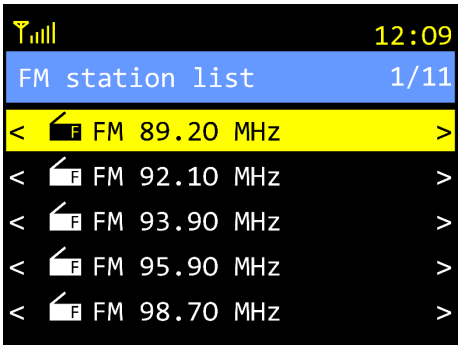
6.6.5. FM Radio

In this menu you can browse through and listen to FM radio stations. Also, it is possible to manually tune the FM radio frequency. See **6.10. Manual FM Frequency Tuning** on page 50, for more information.

Note:

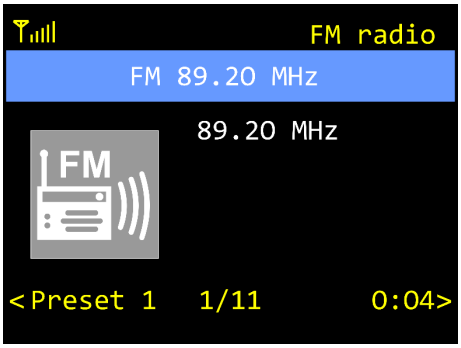
To browse through FM radio stations, you need to search for and save them on the device.

01) Press the **TUNE/SELECT** control to start the scan. The display shows "Scan FM station?".
02) Press the **TUNE/SELECT** control to confirm. The device will search for and save all available FM radio stations. The display shows:



03) Turn the **TUNE/SELECT** control to choose one of the available FM radio stations.

04) Press the **TUNE/SELECT** control to confirm. The display shows the information screen:



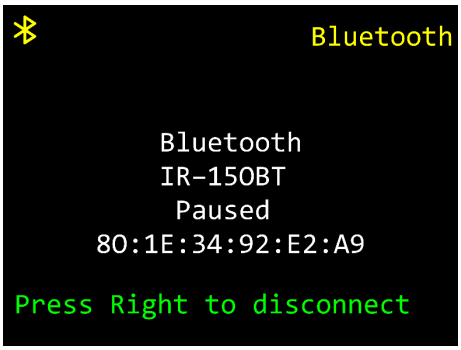
6.6.6. BT

In this menu you can stream BT signals from your mobile devices (smartphones, tablets, notebooks, etc.).



To be able to stream BT signals, the IR-150BT Media Player needs to be paired with your mobile device.

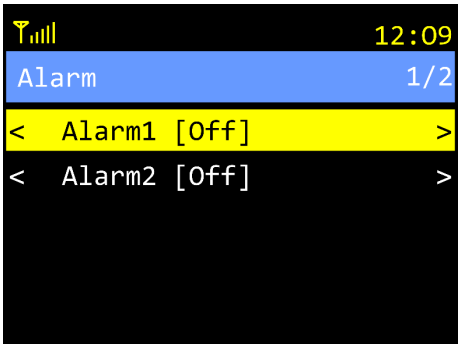
01) Start BT on your mobile device.
02) On your mobile device, scan for the available BT devices. The ID of the IR-150BT Media Player is "IR–150BT".
03) On your mobile device, connect with the IR-150BT Media Player. The display shows:



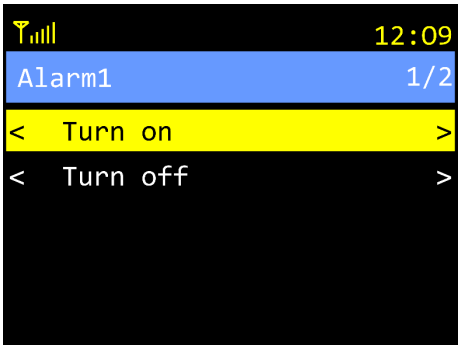
04) On your mobile device, search for and play any music or video file or visit streaming services. The IR-150BT Media Player will receive signals from your mobile device.

6.6.7. Alarm

In this menu you can set the time when the device turns on. You can set 2 alarms.

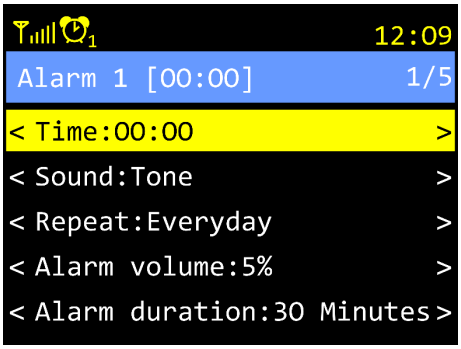


01) Turn the **TUNE/SELECT** control to choose one of the 2 available alarms.
02) Press the **TUNE/SELECT** control to confirm. The display shows:



03) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- TURN ON (Set the alarm. See step 4 below.)
- TURN OFF (The display will return to the previous screen.)

04) Press the **TUNE/SELECT** control to confirm. The display shows:

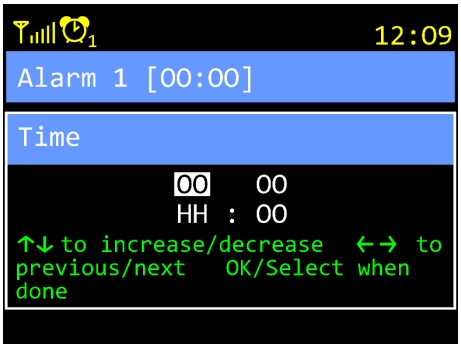


05) Turn the **TUNE/SELECT** control to choose one of the 5 options:
- TIME (Time settings. See **6.6.7.1. Time**.)
- SOUND (Sound settings. See **6.6.7.2. Sound**.)
- REPEAT (Alarm repetition options. See **6.6.7.3. Repeat.**)
- ALARM VOLUME (Alarm volume. See **6.6.7.4. Alarm Volume**.)
- ALARM DURATION (Alarm duration. See **6.6.7.5. Alarm Duration**.)

06) Press the **TUNE/SELECT** control to confirm.

6.6.7.1. Time

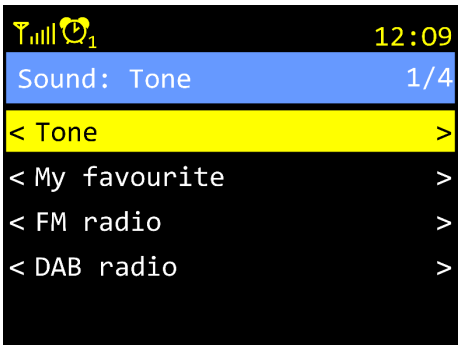
In this menu you can set the alarm time.



01) Press the **UP**/**DOWN** buttons to choose the hours or the minutes.
02) Turn the **TUNE**/**SELECT** control to set the values. The adjustment ranges are 00–23 (hours) and 00–59 (minutes).
03) Press the **TUNE**/**SELECT** control to confirm.

6.6.7.2. Sound

In this menu you can choose the sound source of the alarm. You can choose the default alarm tone or one of the available (favorite) internet, FM or DAB radio stations.

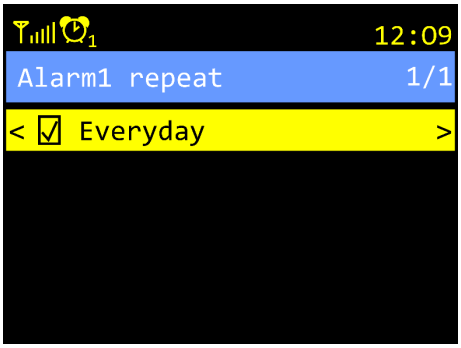


01) Turn the **TUNE**/**SELECT** control to choose one of the 4 options:
    - TONE (Default alarm tone)
    - MY FAVOURITE (My Favorite. See **6.6.1. My Favourite** on page 22, for more information.)
    - FM RADIO (FM Radio. See **6.6.5. FM Radio** on page 30, for more information.)
    - DAB RADIO (DAB Radio. See **6.6.4. DAB Radio** on page 30, for more information.)
02) Press the **TUNE**/**SELECT** control to confirm.

6.6.7.3. Repeat

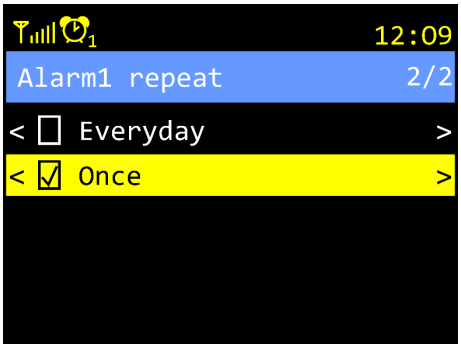
In this menu you can set the alarm frequency. Alarms can be set for chosen days or for every day of the week.

By default, the alarms are set to EVERYDAY.

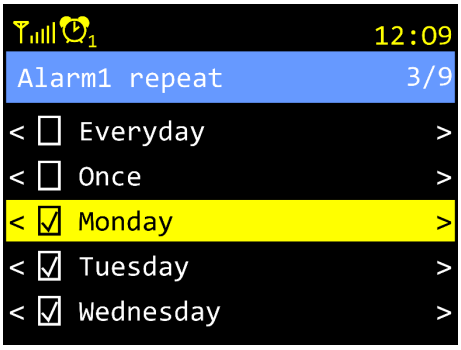


To change the settings:

01) Press the **TUNE/SELECT** control. The display shows:



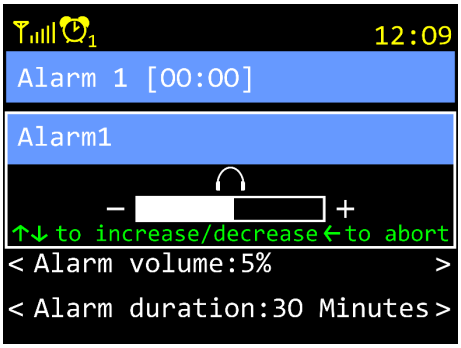
02) Turn the **TUNE/SELECT** control to choose ONCE.
03) Press the **TUNE/SELECT** control to confirm. The display shows:



04) Turn the **TUNE/SELECT** control to choose the desired day of the week and press the **TUNE/SELECT** control to confirm. Repeat this step as many times as required, to choose the other days.

6.6.7.4. Alarm Volume

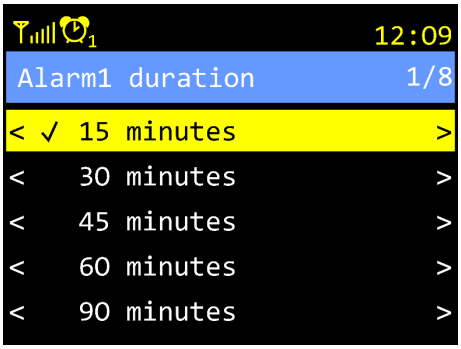
In this menu you can set the alarm volume.



01) Turn the **TUNE/SELECT** control to set the alarm volume. The adjustment range is 2–100 %, in increments of 5 %.
02) Press the **TUNE/SELECT** control to confirm.

6.6.7.5. Alarm Duration

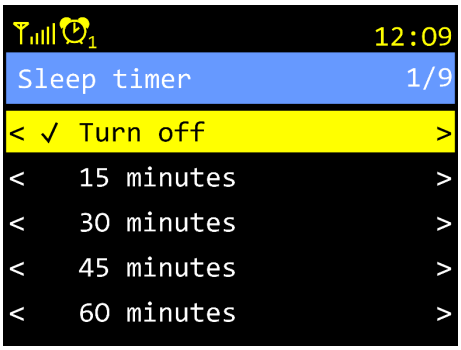
In this menu you can set the alarm duration.



01) Turn the **TUNE/SELECT** control to set the alarm duration. The adjustment range is 15–180 minutes (8 increments: 15, 30, 45, 60, 90, 120, 150, 180 minutes).
02) Press the **TUNE/SELECT** control to confirm.

6.6.8. Sleep Timer

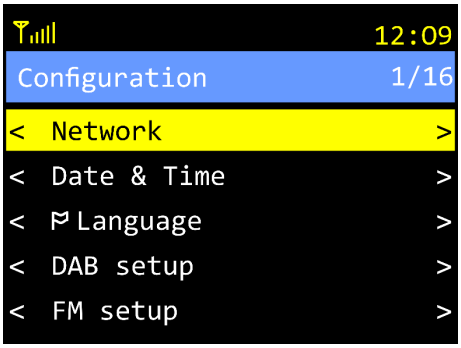
In this menu you can set the sleep timer.



01) Turn the **TUNE/SELECT** control to set the sleep timer. The adjustment range is 15–180 minutes (8 increments: 15, 30, 45, 60, 90, 120, 150, 180 minutes) and TURN OFF (Sleep timer off).
02) Press the **TUNE/SELECT** control to confirm. The device will enter stand-by mode after the preset amount of time.

6.6.9. Configuration

In this menu you can view and change the device's settings.

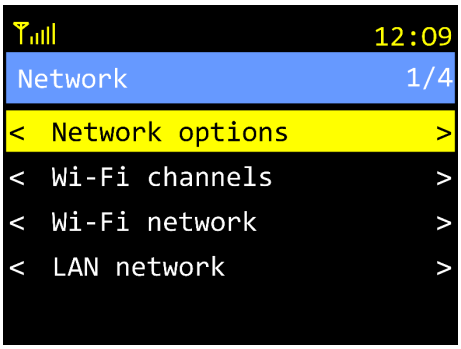


01) Turn the **TUNE/SELECT** control to choose one of the 16 submenus:
- NETWORK: Network settings. See **6.6.9.1. Network** on page 36.
- DATE & TIME: Date and time settings. See **6.6.9.2. Date & Time** on page 38.
- LANGUAGE: Language settings. See **6.6.9.3. Language** on page 40.
- DAB SETUP: DAB radio settings. See **6.6.9.4. DAB Setup** on page 40.
- FM SETUP: FM radio settings. See **6.6.9.5. FM Setup** on page 41.
- LOCAL RADIO: Local radio source. See **6.6.9.6. Local Radio** on page 43.
- PLAYBACK SETUP: Playback settings. See **6.6.9.7. Playback Setup** on page 44.
- RESUME PLAY OPTIONS: Resume play settings. See **6.6.9.8. Resume Play Options** on page 44.
- POWER-ON OPTIONS: Power-on settings. See **6.6.9.9. Power-on Options** on page 45.
- DIMMER: Dimmer settings. See **6.6.9.10. Dimmer** on page 45.
- EQ: Equalizer settings. See **6.6.9.11. EQ** on page 46.
- BUFFER TIME: Buffer settings. See **6.6.9.12. Buffer Time** on page 47.
- LINE OUT GAIN: Line out gain settings. See **6.6.9.13. Line Out Gain** on page 47.
- INFORMATION: Network and system information. See **6.6.9.14. Information** on page 48.
- SOFTWARE UPDATE: Software update. See **6.6.9.15. Software Update** on page 49.
- RESET TO DEFAULT: Restore factory settings. See **6.6.9.16. Reset to Default** on page 49.

02) Press the **TUNE/SELECT** control to confirm.

6.6.9.1. Network

In this menu you can set up the network.



01) Turn the **TUNE/SELECT** control to choose one of the 4 submenus:
- NETWORK OPTIONS (Network options)
- WI-FI CHANNELS (Wi-Fi channel selection)
- WI-FI NETWORK (Wi-Fi network setup)
- LAN NETWORK (LAN network options)

02) Press the **TUNE/SELECT** control to confirm.

Network Options

In this submenu you can set the Wi-Fi access.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
    - ALWAYS ON (Wi-Fi remains on. It provides faster access when turning on the device.)
    - AUTO OFF IN 30s (Wi-Fi turns off after 30 seconds when not used, to save energy.)
02) Press the **TUNE/SELECT** control to confirm.

Wi-Fi Channels

In this submenu you can set the country-specific Wi-Fi radio channels.

01) Turn the **TUNE/SELECT** control to choose one of the 4 options:
    - CHINA
    - JAPAN
    - USA
    - EUROPE
02) Press the **TUNE/SELECT** control to confirm.

Wi-Fi Network

In this submenu you can connect the device to your local Wi-Fi network.

01) Turn the **TUNE/SELECT** control to choose one of the 5 submenus:
    - ADD/REMOVE AP (The device will scan for routers in the area. There are 4 options.)
        - ADD AP(SCAN) (The device will scan for available routers. You will need to insert the network password.)
        - ADD AP(WPS BUTTON) (The device will scan for available WPS routers. Choose the desired network, confirm and press the WPS button on your router to connect.)
        - ADD AP(SMARTCONFIG) (Configure the network via Esptouch app on your smartphone. See **5.4.1.1. Wi-Fi Setup via Esptouch App** on page 14.)
        - REMOVE AP (Choose a network and confirm, to remove it.)
    - AP (Indication of active networks)
    - SIGNAL (Signal quality indicator. If the signal is lower than 70 dBm, check the position of the router or look if there are any errors.)
    - IP (IP setting. Choose between DYNAMIC and FIXED.)
    - DNS (DNS setting. Choose between DYNAMIC and FIXED.)
02) Press the **TUNE/SELECT** control to open the submenus.
03) Turn the **TUNE/SELECT** control to choose options.
04) Press the **TUNE/SELECT** control to confirm.

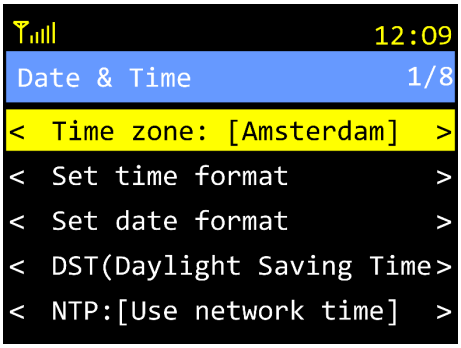
LAN Network

In this submenu you can change the settings of your LAN network.

01) Turn the **TUNE/SELECT** control to choose one of the 2 submenus:
    - IP (IP setting. Choose between DYNAMIC and FIXED.)
    - DNS (DNS setting. Choose between DYNAMIC and FIXED.)
02) Press the **TUNE/SELECT** control to open the submenus.
03) Turn the **TUNE/SELECT** control to choose options.
04) Press the **TUNE/SELECT** control to confirm.

6.6.9.2. Date & Time

In this menu you can adjust the time settings.



01) Turn the **TUNE/SELECT** control to choose one of the 8 options:
- TIME ZONE (Time zone selection)
- SET TIME FORMAT (Time format selection)
- SET DATE FORMAT (Date format selection)
- DST (Daylight Saving Time)
- NTP (Network Time protocol settings)
- NTP SERVER (Time server for automatic time setting)
- SET TIME FROM DAB (Use the time of the currently active DAB radio station)
- SET TIME FROM FM (Use the time of the currently active FM radio station)

02) Press the **TUNE/SELECT** control to confirm.

Time Zone

In this submenu you can set the time zone.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- AUTO-SET TIME ZONE (Time zones will be chosen automatically.)
- MANUAL-SET TIME ZONE (Choose the correct time zone manually. The time zones are grouped by continent and country.)

02) Press the **TUNE/SELECT** control to confirm.

Set Time Format

In this submenu you can set the time display format.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- 12 HOUR (12-hour format)
- 24 HOUR (24-hour format)

02) Press the **TUNE/SELECT** control to confirm.

Set Date Format

In this submenu you can set the date display format.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- DD/MM/YYYY (Day, month, year)
- MM/DD/YYYY (Month, day, year)

02) Press the **TUNE/SELECT** control to confirm.

DST (Daylight Saving Time)

In this submenu you can turn the daylight saving time on and off.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- ON DST (The device will adjust the displayed time to the summer or winter time.)
- OFF DST (The device will not adjust the time.)

02) Press the **TUNE/SELECT** control to confirm.

NTP (Network Time Protocol)

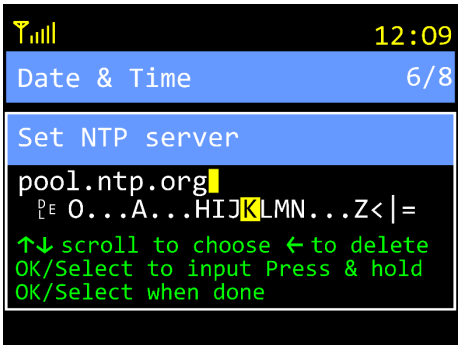
In this submenu you can set whether the device will automatically show the network time or not.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- USE NETWORK TIME (The device will show the network time.)
- DO NOT USE NETWORK TIME (The device will not show the network time.)

02) Press the **TUNE/SELECT** control to confirm.

NTP Server

In this submenu you can set the time server, necessary for automatic time setting.



01) Turn the **TUNE/SELECT** control to choose characters and press the **TUNE/SELECT** control to confirm. Repeat this step to type in the address of the time server. The available characters are uppercase and lowercase letters, digits, punctuation marks, and some symbols.

Note: If you make a mistake, press the **UP** button to remove the wrong character.

02) Press and hold down the **TUNE/SELECT** control for 5 seconds to confirm.

Set Time From DAB

In this submenu you can set whether the device will show the time of the DAB transmitter or not.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- ON (DAB transmitter time is on.)
- OFF (DAB transmitter time is off.)

02) Press the **TUNE/SELECT** control to confirm.

Set Time From FM

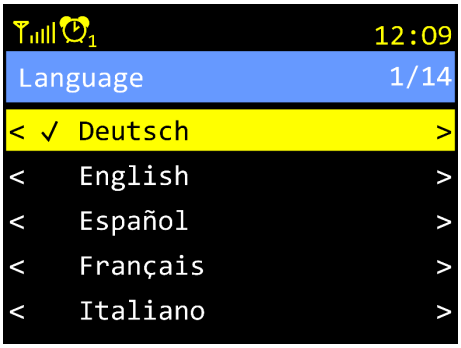
In this submenu you can set whether the device will show the time of the FM transmitter or not.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- ON (FM transmitter time is on.)
- OFF (FM transmitter time is off.)

02) Press the **TUNE/SELECT** control to confirm.

6.6.9.3. Language

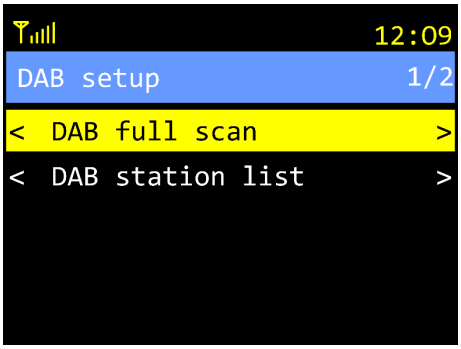
In this menu you can set the main menu language.



01) Turn the **TUNE/SELECT** control to choose one of the 14 languages: GERMAN, ENGLISH, SPANISH, FRENCH, ITALIAN, DUTCH, POLISH, RUSSIAN, CZECH, HUNGARIAN, SLOVAK, ROMANIAN, CROATIAN or CHINESE.
02) Press the **TUNE/SELECT** control to confirm.

6.6.9.4. DAB Setup

In this menu you can search for, save and listen to DAB radio stations.

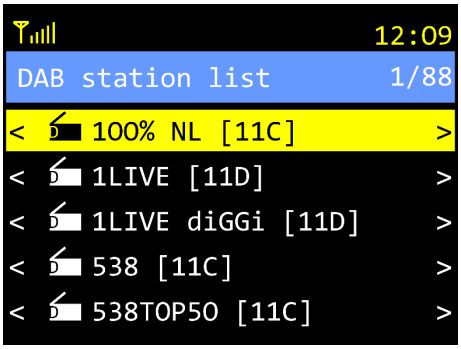


01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- DAB FULL SCAN (The device will search for and save all available DAB radio stations.)
- DAB STATION LIST (Browse through DAB radio stations.)

02) Press the **TUNE/SELECT** control to confirm.

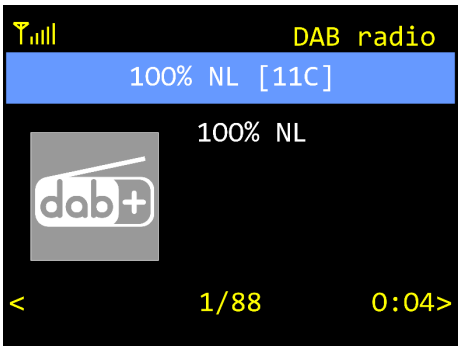
Note: To be able to browse through DAB radio stations, you need to search for and save them on the internet radio.

03) Press the **TUNE/SELECT** control to start the scan. The device will search for and save all available DAB radio stations. The display shows:



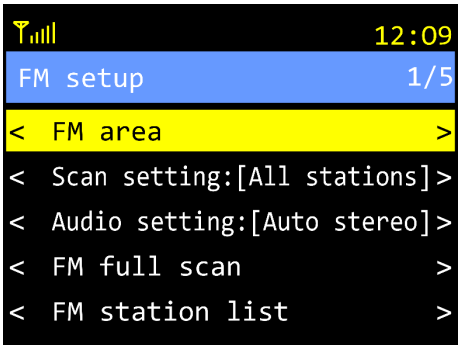
04) Turn the **TUNE/SELECT** control to choose one of the available DAB radio stations.

05) Press the **TUNE/SELECT** control to confirm. The display shows the information screen:



6.6.9.5. FM Setup

In this menu you can set up, browse through and listen to FM radio stations.



01) Turn the **TUNE/SELECT** control to choose one of the 5 submenus:
- FM AREA (Choose the desired FM area.)
- SCAN SETTING (FM search settings)
- AUDIO SETTING (Choose between Stereo and Mono.)
- FM FULL SCAN (The device will search for and save all available FM radio stations.)
- FM STATION LIST (Browse through FM radio stations.)

02) Press the **TUNE/SELECT** control to confirm.

FM Area

In this submenu you can choose the FM area where the device will search for FM radio stations.

01) Turn the **TUNE/SELECT** control to choose one of the 3 FM areas:
- ASIA>OTHERS
- AMERICAS
- EUROPE>OTHERS

02) Press the **TUNE/SELECT** control to confirm.

Scan Setting

In this submenu you can adjust the FM search settings.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- STRONG STATIONS ONLY (The device will search for and save only the strongest FM radio stations.)
- ALL STATIONS (The device will search for and save all available FM radio stations.)

02) Press the **TUNE/SELECT** control to confirm.

Audio Setting

In this submenu you can adjust the audio settings.

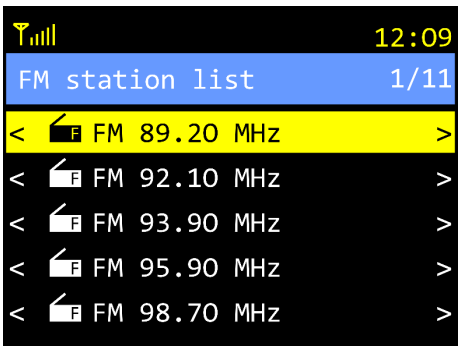
01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- FORCED MONO (The device will use one channel to convert a signal to sound.)
- AUTO STEREO (The device will use multiple channels to convert multiple signals to sound.)

02) Press the **TUNE/SELECT** control to confirm.

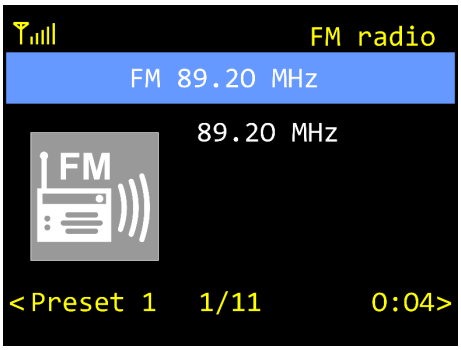
FM Full Scan

In this submenu the device will search for and save all available FM radio stations.

When the scan is complete, the display shows:

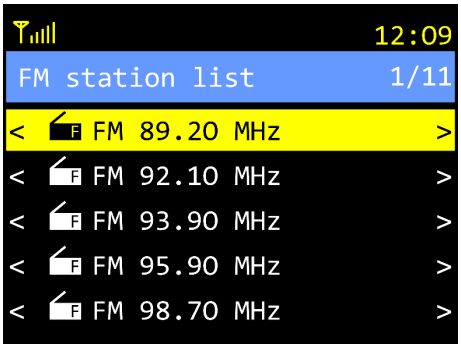


01) Turn the **TUNE/SELECT** control to choose one of the available FM radio stations.
02) Press the **TUNE/SELECT** control to confirm. The display shows the information screen:

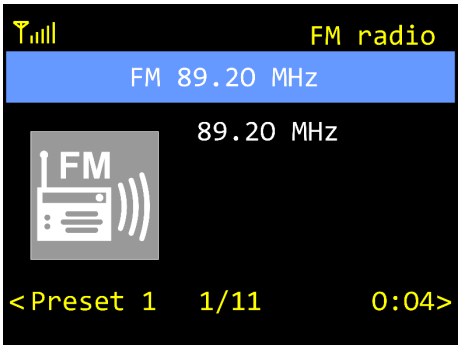


FM Station List

In this submenu you can browse through and listen to FM radio stations.



01) Turn the **TUNE/SELECT** control to choose one of the available FM radio stations.
02) Press the **TUNE/SELECT** control to confirm. The display shows the information screen:



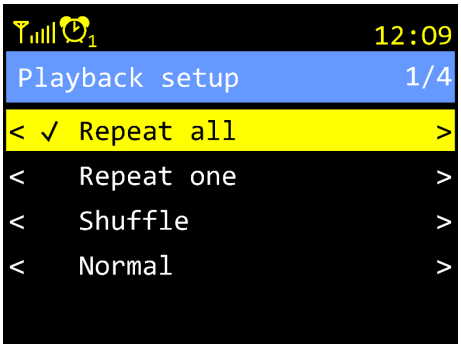
6.6.9.6. Local Radio

In this submenu you can adjust the local radio settings.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
    - AUTO-SET LOCAL RADIO (The device will automatically scan for radio stations in your area.)
    - MANUAL-SET LOCAL RADIO (Choose your local area manually. The local areas are grouped by continent and country.)
02) Press the **TUNE/SELECT** control to confirm.

6.6.9.7. Playback Setup

In this menu you can adjust the media center playback settings.

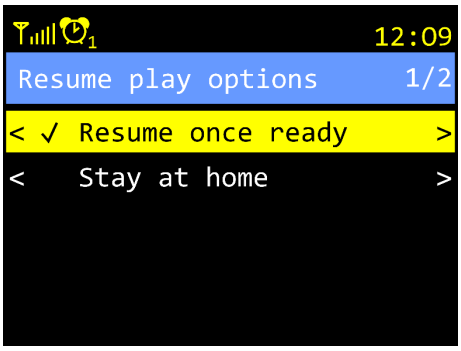


01) Turn the **TUNE/SELECT** control to choose one of the 4 options:
- REPEAT ALL (The device will repeat all tracks.)
- REPEAT ONE (The device will repeat one track.)
- SHUFFLE (The device will play all tracks once, in a random order.)
- NORMAL (The device will play all tracks once.)

02) Press the **TUNE/SELECT** control to confirm.

6.6.9.8. Resume Play Options

In this menu you can decide whether the device, on start-up, will run the last active operation mode or will stay in the main menu.

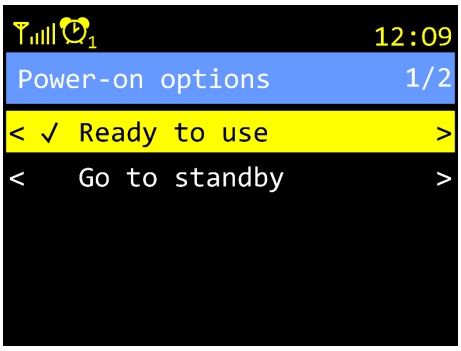


01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- RESUME ONCE READY (The device will run the last active operation mode.)
- STAY AT HOME (The device will stay in the main menu.)

02) Press the **TUNE/SELECT** control to confirm.

6.6.9.9. Power-on Options

In this menu you can decide whether the device, after a power outage, will return to stand-by mode or to the main menu.

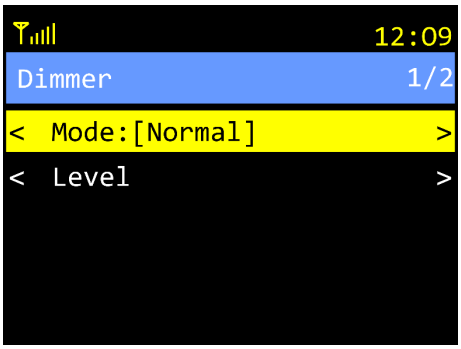


01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- READY TO USE (The device will return to the main menu.)
- GO TO STANDBY (The device will activate stand-by mode.)

02) Press the **TUNE/SELECT** control to confirm.

6.6.9.10. Dimmer

In this menu you can set the behavior of the display and the display brightness.



01) Turn the **TUNE/SELECT** control to choose one of the 2 submenus:
- MODE (Set the behavior of the display.)
- LEVEL (Set the display brightness.)

02) Press the **TUNE/SELECT** control to confirm.

Mode

In this submenu you can set the display behavior.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- NORMAL (The display will remain at full brightness.)
- DIM (The display will be dimmed after 15 seconds.)

02) Press the **TUNE/SELECT** control to confirm.

Level

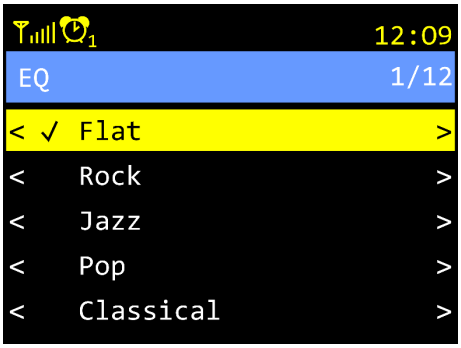
In this submenu you can set the display brightness.

01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- BRIGHT (The display brightness at full brightness. The adjustment range is 20–100 %.)
- DIM (The display brightness when dimmed. The adjustment range is 0–100 %.)

02) Press the **TUNE/SELECT** control to confirm.
03) Turn the **TUNE/SELECT** control to set the values.
04) Press the **TUNE/SELECT** control to confirm.

6.6.9.11. EQ

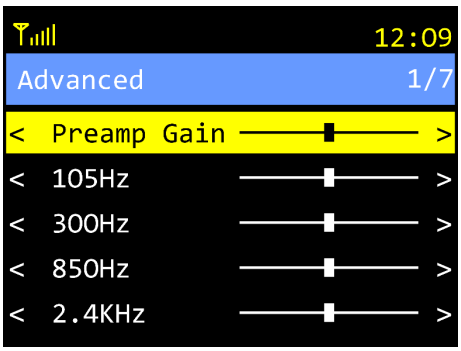
In this menu you can set the equalizer (Advanced) or choose one of the 11 equalizer presets.



01) Turn the **TUNE/SELECT** control to choose one of the 12 options:
- 11 equalizer presets (FLAT, ROCK, JAZZ, POP, CLASSICAL, DANCING, HEAVY METAL, DISCO, LIVE, SOFT, HALL)
- ADVANCED

02) Press the **TUNE/SELECT** control to confirm. If you chose ADVANCED, please read steps 3–6 below.

Advanced

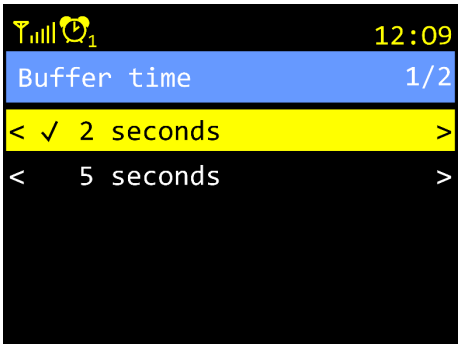


03) Turn the **TUNE/SELECT** control to choose one of the 7 settings:
- PREAMP GAIN (Preamp gain. From -18 dB to 0 dB)
- 105 Hz (From -12 dB to +12 dB)
- 300 Hz (From -12 dB to +12 dB)
- 850 Hz (From -12 dB to +12 dB)
- 2,4 kHz (From -12 dB to +12 dB)
- 6,9 kHz (From -12 dB to +12 dB)
- 3D DEPTH (3D depth. 0–100 %)

04) Press the **TUNE/SELECT** control to confirm.
05) Turn the **TUNE/SELECT** control to set the values.
06) Press the **TUNE/SELECT** control to confirm.

6.6.9.12. Buffer Time

In this menu you can set the buffer time. When the device is on, it caches data to prevent interruptions in the data transfer. If your internet reception is poor, you can increase the buffer time to lower the number of interruptions.

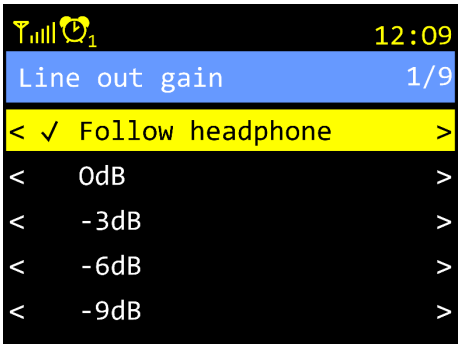


01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- 2 seconds
- 5 seconds

02) Press the **TUNE/SELECT** control to confirm.

6.6.9.13. Line Out Gain

In this menu you can set the line output gain level.

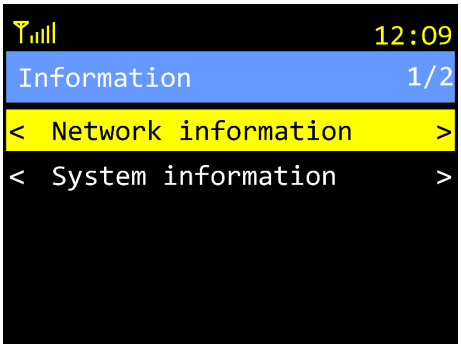


01) Turn the **TUNE/SELECT** control to choose one of the 9 options:
- FOLLOW HEADPHONE (Follow headphone. Not applicable in this version of the device.)
- 0 dB
- -3 dB
- -6 dB
- -9 dB
- -12 dB
- -15 dB
- -18 dB
- -21 dB

02) Press the **TUNE/SELECT** control to confirm.

6.6.9.14. Information

In this menu you can view the device's parameters.

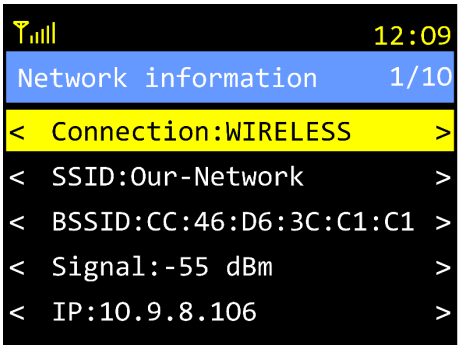


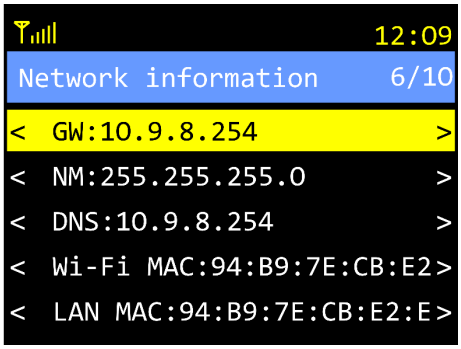
01) Turn the **TUNE/SELECT** control to choose one of the 2 submenus:
- NETWORK INFORMATION (Network's settings)
- SYSTEM INFORMATION (System settings)

02) Press the **TUNE/SELECT** control to confirm.

Network Information

In this submenu you can view the device's network settings.

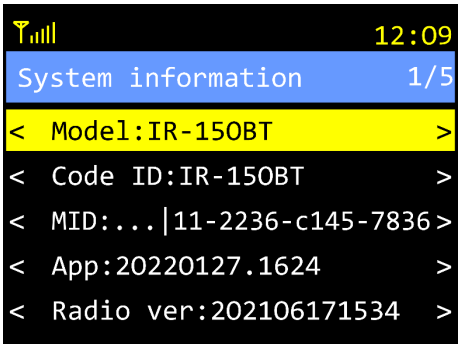




Turn the **TUNE/SELECT** control to scroll through all the entries.

System Information

In this submenu you can view the device's system information.



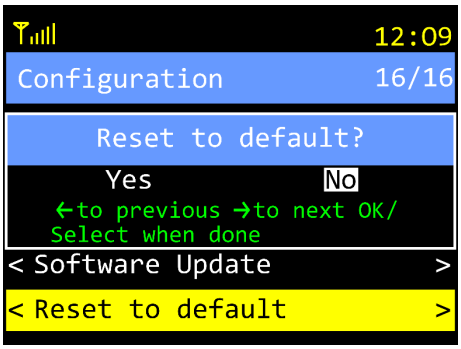
Turn the **TUNE/SELECT** control to scroll through all the entries.

6.6.9.15. Software Update

In this menu you can update the device's software. When the latest software version is already installed, the display reads "Already up to date".

6.6.9.16. Reset to Default

In this menu you can reset the settings to the default factory settings.



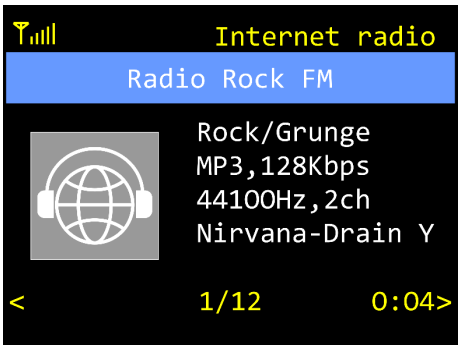
01) Turn the **TUNE/SELECT** control to choose one of the 2 options:
- YES (Yes. The device will restore the default factory settings.)
- NO (No. The display will return to the main menu.)

02) Press the **TUNE/SELECT** control to confirm.

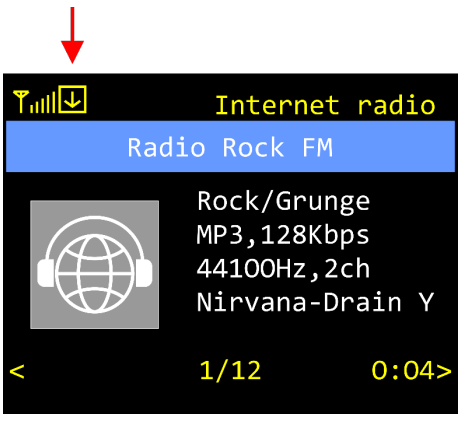
6.7. Saving Internet Radio Stations to My Favourite

It is possible to save internet radio stations to My Favourite. You can browse through the saved internet radio stations. See **6.6.1. My Favourite** on page 22, for more information.

When an internet radio station is active, the display shows:



Press and hold down the **TUNE/SELECT** control for 5 seconds to save the internet radio station to My Favourite. The display promptly shows:



6.8. Viewing Radio Station Information

It is possible to view information about the currently active internet, DAB or FM radio station.

01) Activate an internet, DAB or FM radio station. See **6.6.1. My Favourite**, **6.6.2. Internet Radio**, **6.6.4. DAB Radio** and **6.6.5. FM Radio** on pages 22–30, for more information.
02) Repeatedly press the **DOWN** button to browse through different information screens.

Note:

The screens show such pieces of information as the currently played track, current time, file quality, file compression quality or radio signal quality. The contents of each screen depend on the currently active radio station.

6.9. Setting Volume

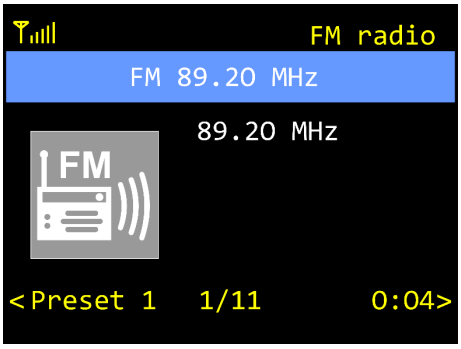
It is possible to set the volume of the currently active internet, DAB or FM radio station.

01) Activate an internet, DAB or FM radio station. See **6.6.1. My Favourite**, **6.6.2. Internet Radio**, **6.6.4. DAB Radio** and **6.6.5. FM Radio** on pages 22–30, for more information.
02) Turn the **TUNE/SELECT** control to the left/right to decrease/increase the volume.

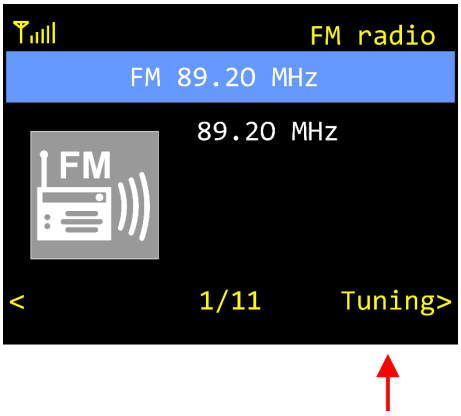
6.10. Manual FM Frequency Tuning

It is possible to manually tune the FM radio frequency.

01) Activate an FM radio station. See **6.6.5. FM Radio** on page 30, for more information. The display shows:



02) Press and hold down the **TUNE/SELECT** control until the display shows:

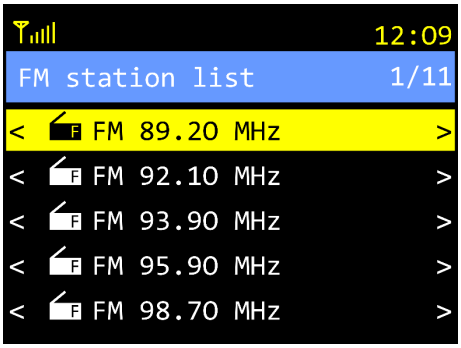


03) Press the **UP/DOWN** buttons to increase/decrease the frequency.
04) Press and hold down the **TUNE/SELECT** control until "Tuning" disappears from the display.

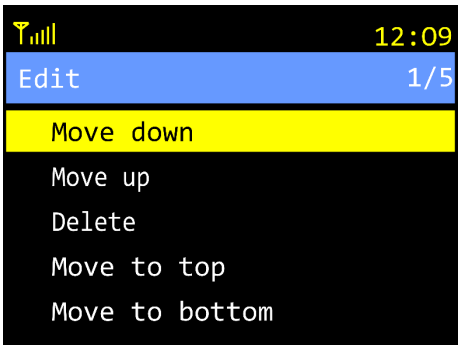
6.11. Editing Lists

It is possible to change the order in which the radio stations are saved. It is also possible to remove radio stations from the lists.

01) Activate an internet, DAB or FM radio station and go to the list of available radio stations. See **6.6.1. My Favourite**, **6.6.2. Internet Radio**, **6.6.4. DAB Radio** and **6.6.5. FM Radio** on pages 22–30, for more information. For example, if you are in **6.6.5. FM Radio** menu, the display shows:



02) Turn the **TUNE/SELECT** control to choose the desired radio station.
03) Press the **DOWN** button. The display shows:



04) Turn the **TUNE/SELECT** control to choose one of the 5 options:
- MOVE DOWN (Move down. The radio station will move down by one position.)
- MOVE UP (Move up. The radio station will move up by one position.)
- DELETE (Delete. The radio station will be removed from the list.)
- MOVE TO TOP (Move to top. The radio station will move to the top of the list.)
- MOVE TO BOTTOM (Move to bottom. The radio station will move to the bottom of the list.)

05) Press the **TUNE/SELECT** control to confirm. The device will perform the chosen action.

6.12. Alarm

To use the alarm function:

01) Set the alarm. See **6.6.7. Alarm** on page 32, for more information. When the alarm sounds, the display shows:



02) Press the **TUNE/SELECT** control or press the **stand-by button (02)** to turn the alarm off.

6.13. Remote Control

The device can be controlled with an IR remote control. The remote control is included in the delivery.

DANGER
Do not ingest batteries, chemical burn hazard

The remote control accepts 2 x AAA batteries. If the batteries are swallowed, they can cause severe internal burns in just 2 hours which can lead to death.

6.13.1. Functions of the Remote Control Buttons

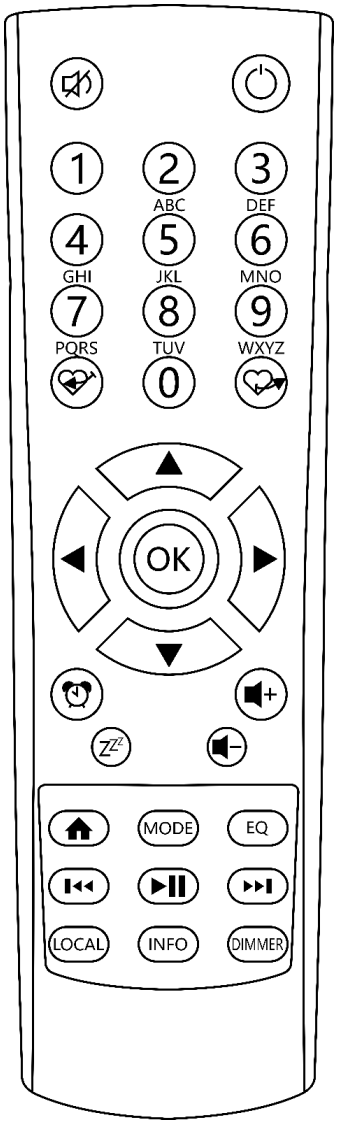
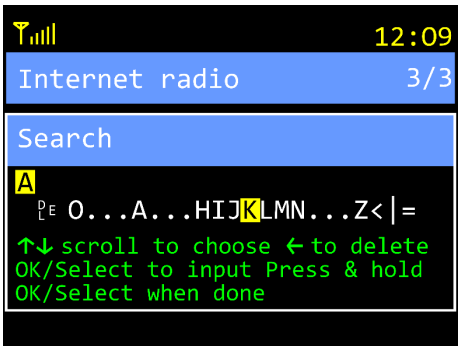


Fig. 10

Button	Description	Function
	Mute	Turns mute on/off
	On/Off	Turns stand-by mode on/off
0 – 9		Digits and letters
	Add to My Favourite	Press and hold down for 5 seconds, to add a station to My Favourite
	My Favourite	Opens My Favourite menu
	Up cursor	Move up
	Down cursor	Move down
	Left cursor	• Moves to the left • Moves to a previous menu screen • Cancels actions
	Right cursor	• Moves to the right • When in radio station list, activates Editing Lists menu. See **6.11. Editing Lists** on page 51.
OK	OK/Select	Confirms choices and opens (sub)menus
	Alarm	Activates Alarm menu
	Sleep timer	Activates Sleep Timer menu
	Volume +	Increases the volume
	Volume -	Decreases the volume
	Main menu	Activates the main menu
MODE	Toggle mode	Toggle control modes
EQ	Equalizer	Opens the equalizer menu
	Previous station	Choose previous station
	Next station	Choose next station
	Start/stop	Start/stop streaming
LOCAL	Local radio	Activates Local Radio menu
INFO	Info	Activates Information menu
DIMMER	Dimmer	Activates Dimmer menu

6.13.2. Entering Passwords and Searching for Phrases



To enter a password or search for phrases with the remote control:

01) Press the **UP**/**DOWN** cursors to choose characters and press the **OK**/**SELECT** button to confirm. Repeat this step to type in the desired word or phrase. The available characters are uppercase letters, digits, punctuation marks, and some symbols.

Note: Alternatively, you can repeatedly press the 0–9 buttons to type in words or phrases. Each button (0–9) has a set of letters assigned to it.

Note: If you make a mistake, press the **LEFT** cursor to remove the wrong character.

02) Press and hold down the **OK**/**SELECT** control for 5 seconds to confirm.

7. Troubleshooting

This troubleshooting guide contains solutions to problems which can be carried out by an ordinary person. The device does not contain user-serviceable parts. Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage. Refer servicing to instructed or skilled persons. Contact your Highlite International dealer in case the solution is not described in the table.

Problem	Probable cause(s)	Solution
The device does not function at all	No power to the device	• Check if power is switched on and cables are plugged in
	Internal fuse is blown	• Return the device to your DAP dealer
No sound	The volume is set to minimum	• Increase the volume
The device cannot connect to Wi-Fi	Wi-Fi antenna is not connected	• Install the supplied Wi-Fi antenna and put it in a vertical position
	Wi-Fi network is offline	• Check if the network works on another device • Check if a DHCP server is available • Check if the static IP address is configured • Check if your firewall does not block the output ports
	The router limits access to MAC addresses	• Check the MAC address (Wi-Fi MAC or LAN MAC in **Network Information** on page 48) and add it to the allowed equipment list of your router (AP)
	Wi-Fi signal is too weak	• Check the distance between the device and the Wi-Fi router • Move the device closer to the router
	Unsupported encryption method	• Set the encryption method to WEP, WPA or WPA2
	Incorrect Wi-Fi password	• Enter the correct Wi-Fi password
Some radio stations do not work	Stations are not broadcasting at this time of the day (time zone)	
	The maximum number of listeners is reached	
	The URL is out of date	• Tune in again (URLs are updated daily)
DAB or FM does not work or the signal is weak		• Reset the device's parameters to the default factory settings. See **6.6.9.16. Reset to Default** on page 49 • Extend the antenna • Move the device closer to a window • Check if there are electrical devices that cause interference
Media server is not available	Incorrect network	• Check if the device and the media server use the same network
	Firewall limits the access	• Disable your firewall for verification
Playback stutters (buffering)	Bandwidth is too low or busy	• Check the internet connection • Test reception with another station • Increase the buffer time. See **6.6.9.12. Buffer Time** on page 47
The device does not respond to the remote control	The remote control is beyond outside of the range of the sensor of the infrared port	• Walk closer to the device or change the angle at which you point the remote control to the device. See **6.13. Remote Control** on page 52
	The batteries in the remote control are depleted	• Change the batteries of the remote control

8. Maintenance

8.1. Safety Instructions for Maintenance



DANGER
Electric shock caused by dangerous voltage inside

Disconnect power supply before servicing or cleaning.

8.2. Preventive Maintenance



Attention
Before use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- There are no deformations on housings, fixations and installation points.
- The power cables are not damaged and do not show any material fatigue.

8.2.1. Basic Cleaning Instructions

To clean the device, follow the steps below:

01) Disconnect the device from the electrical power supply.
02) Allow the device to cool down for 5 minutes.
03) Clean the device with a soft, lint-free cloth.



Attention

- Do not immerse the device in liquid.
- Do not use alcohol or solvents.

8.3. Corrective Maintenance

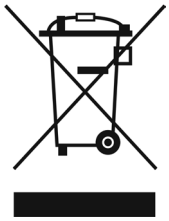
The device does not contain user-serviceable parts. Do not open the device and do not modify the device.

Refer repairs and servicing to instructed or skilled persons. Contact your Highlite International dealer for more information.

9. Deinstallation, Transportation and Storage

- Disconnect power supply before deinstallation.
- Use the original packaging to transport the device, if possible.
- Clean the device before storing. Follow the cleaning instructions in chapter **8.2.1. Basic Cleaning Instructions** on page 55.
- Store the device in the original packaging, if possible.

10. Disposal



Correct disposal of this product

Waste Electrical and Electronic Equipment

This symbol on the product, its packaging or documents indicates that the product shall not be treated as household waste. Dispose of this product by handing it to the respective collection point for recycling of electrical and electronic equipment. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. For more detailed information about recycling of this product contact the local authorities or the authorized dealer.

11. Approval

CE

UK CA

Hereby, Highlite International declares that the device is in compliance with Directive 2014/53/EU (RED – Radio Equipment Directive).

The full text of the EU declaration of conformity is available at the respective product page on the website of Highlite International (www.highlite.com).

DAP

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