

# Instruction Manual

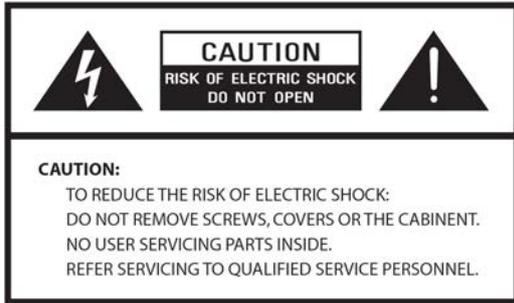
## **DIGITRADIO 510**

Internet, DAB/DAB+ and FM radio  
with Bluetooth and Spotify Connect



**TechniSat**

# Important Safety Instructions



1. Read these instructions.
2. Keep these Instructions.
3. Heed all Warnings.
4. Follow all instructions.
5. Do not use the speaker near water.
6. Clean only with dry cloth.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS SPEAKER TO RAIN OR MOISTURE.**

To reduce the risk of electrical shock, fire, etc.:

1. Do not place unit near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
2. Do not block any ventilation openings of unit.
3. The unit shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the unit.
4. Do not place any heavy loads onto the unit, and do not step on it, the load may fall and cause serious injury to the unit.
5. Please read Rating Labels at the back of unit for power input and other safety information.
6. This unit is intended to be used only with the power supply provided.
7. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at any point where they exit from the unit.
8. Never unplug your unit by pulling on the power cord. Always grasp the plug firmly and pull straight out from the outlet.
9. Repair or replace all electric service cords that have become frayed or otherwise damaged immediately. Do not use a cord that shows cracks or abrasion damage along its length, the plug, or the connector end.
10. To prevent fire or shock hazard, do not use this plug with an extension cord or other outlet unless the blades can be fully inserted to prevent blade exposure.
11. To prevent fire or shock hazard, do not expose unit to rain or moisture.
12. During lightning or raining days, unplug the unit for additional protection during thunderstorms or when the unit is not used for prolonged periods. This will prevent damage to the unit from lightning and power surges.
13. Do not attempt to carry out any service work yourself. By opening or removing the cabinet, you may be exposed to dangerous voltage or other hazards. Any service work should be carried out by qualified technicians.
14. In the interests of safety and to avoid unnecessary energy consumption, never leave the unit switched on while unattended for long periods of time, e.g. overnight, while on holiday or while out of the house. Switch it off and disconnect the mains plug from the mains socket.

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# Getting Started

Carefully remove your radio from the box. You may wish to store the packaging for future use.

## What you can find inside of your package

- Main unit
- Power adapter
- Remote control
- Instruction manual

## Positioning your Radio

Place your radio on a flat / stable surface that is not subject to vibrations.

## Avoid the following locations:

- Where the radio will be exposed to direct sunlight.
- Where the radio will be close to heat radiating sources.
- Where the humidity is high and ventilation is poor.
- Where it is dusty.
- Where it is damp or there is a possibility of water dripping or splashing onto unit.

Before you can use your Internet Radio, you need to know following:

## Wireless LAN Setting

- A broadband Internet connection.
- A wireless access point (Wi-Fi) connected to your broadband Internet, preferably via a router.
- If your wireless network is configured to use Wired Equivalent Privacy (WEP) or Wi-Fi Protected Access (WPA) data encryption then you need to know the WEP or WPA code so you can get the Internet Radio to communicate with the network.
- If your wireless network is configured for trusted stations you will need to enter the Radio's MAC address into your wireless access point. To find the Radio's MAC address use menu items as follows: **Main menu > System settings > Network > View settings > MAC address.**

Before you continue, make sure that your wireless access point is powered up and connected to your broadband Internet. To get this part of the system working, read the instructions supplied with the wireless access point is highly recommended.

## Adjusting the Antenna

Extend the antenna to ensure you receive the best reception possible in both DAB and FM radio modes. It may be necessary to adjust the position of the radio and /or antenna to achieve the best signal.

### Using Headphones

You will require headphones fitted with a 3.5 mm diameter stereo plug. The **Headphones** socket is located on the back of this unit. Headphones are not supplied with this radio.

Turn down the volume before connecting earphones. Slowly raise the volume with the earphones on until you reach your desired level.

 **Note:** *long-term exposure to loud music may cause hearing damage. It is best to avoid extreme volume when using earphones, especially for extended periods of time.*

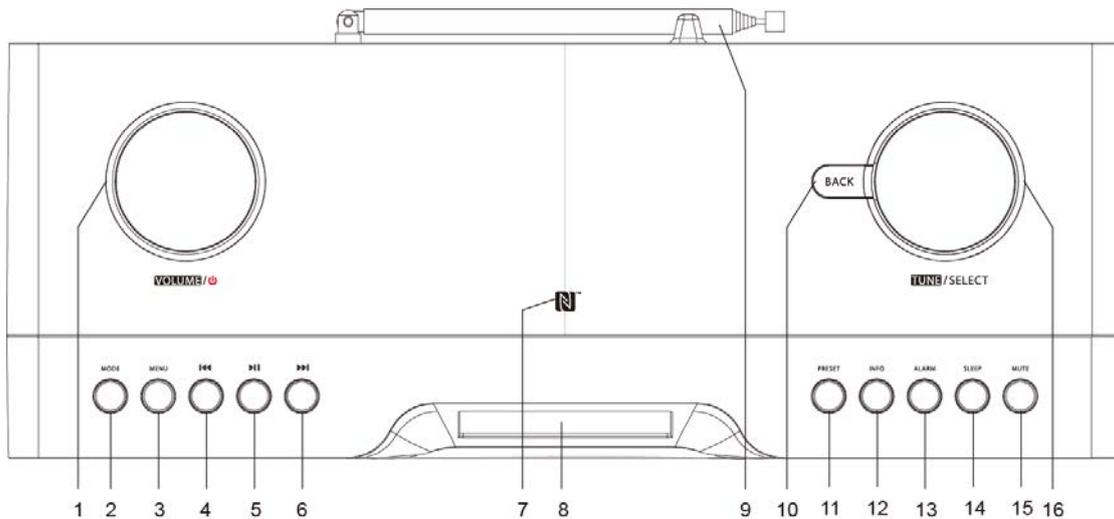
### Turning the Unit On/Off

Connect the plug at the end of power adapter cable to the **DC IN** socket on the back of the unit. Then insert the power adapter into the mains socket. Turn the mains power on and then press the **VOLUME/⏻** knob to turn the unit on or standby. To switch the unit off completely, unplug the power adapter from the mains socket.

### Volume Control

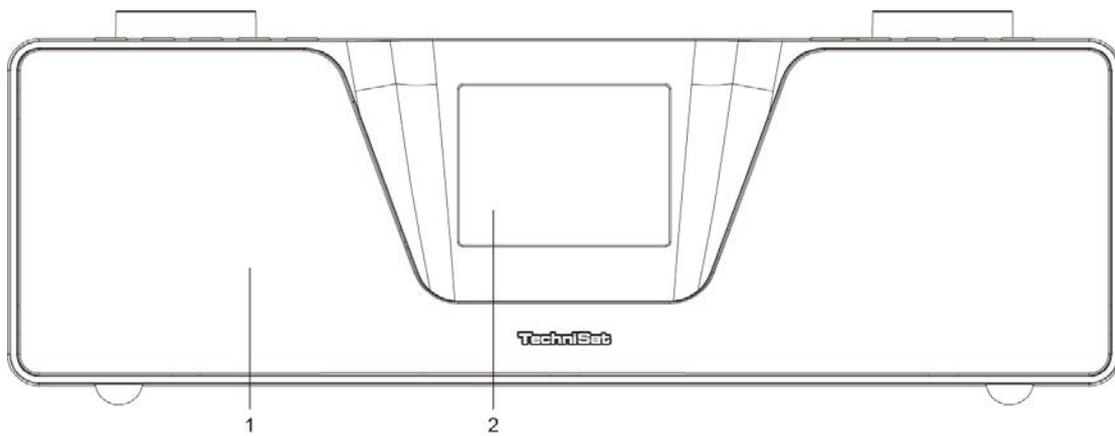
Adjust the radio volume by turning **VOLUME/⏻** knob.

## Unit Top View



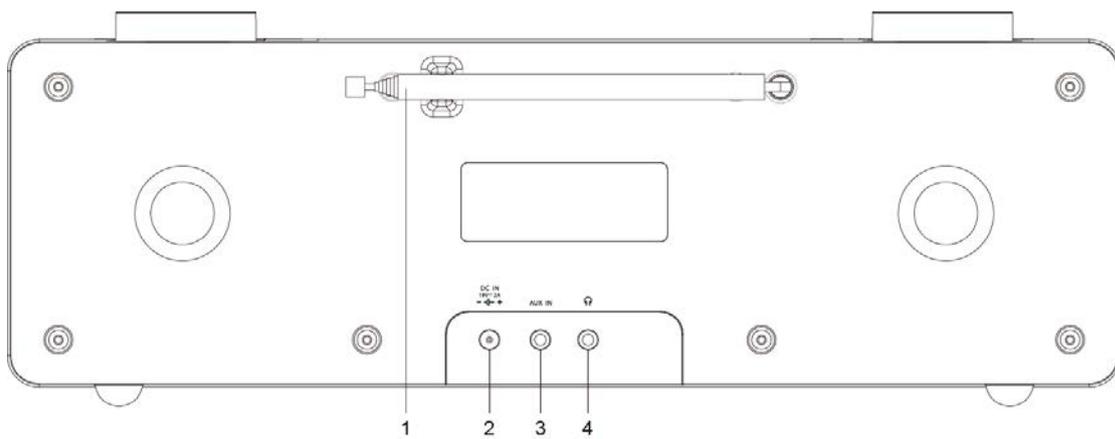
1. **VOLUME** /  knob  
Press to switch radio on or standby.  
Turn to adjust volume.
2. **MODE** button  
Press to switch among Internet, Spotify, Music player, DAB, FM, Aux in and Bluetooth modes.
3. **MENU** button  
Press and hold to display or exit menu screen.
4. **⏮** button  
Press to skip to previous track in Spotify, Music player and Bluetooth modes.  
Press and hold to fast reverse current playing track in Music player and Bluetooth modes.
5. **⏭** button  
Press to pause/play current playing track in Spotify, Music player and Bluetooth modes.
6. **⏩** button  
Press to skip to next track in Spotify, Music player and Bluetooth modes.  
Press and hold to fast forward current playing track in Music player and Bluetooth modes.
7. NFC sensor
8. Display
9. DAB/FM antenna
10. **BACK** button  
Press to return to previous menu screen.
11. **PRESET** button  
Press and hold to store preset station.  
Press to recall stored preset station.
12. **INFO** button  
Press to browse station information.
13. **ALARM** button  
Press to set alarm.
14. **SLEEP** button  
Press to set sleep time.
15. **MUTE** button  
Press to mute or resume sound.
16. **SELECT/TUNE** knob  
Turn to browse options.  
Press to confirm selection.

## Unit Front View



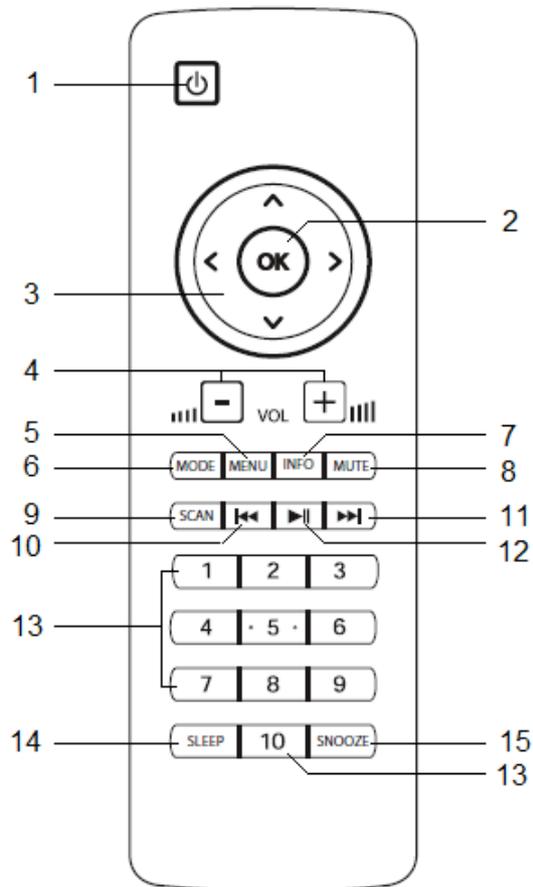
1. Speaker
2. Display

## Unit Back View



1. DAB/FM antenna
2. **DC IN** socket
3. **AUX IN** socket
4.  **Headphones** socket

## Remote Control Overview



1. **⏻** button  
Press to switch radio on or standby.
2. **OK** button  
Press to confirm your selection.
3. Navigation buttons  
  - ▲ up
  - ▼ down
  - ◀ backward
  - ▶ forward
4. **VOL +/-** buttons  
Press to adjust volume.
5. **MENU** button  
Press to display menu or exit menu.
6. **MODE** button  
Press to switch among Internet, Spotify, Music player, DAB, FM, Bluetooth and Aux in modes.
7. **INFO** button  
Press to view station information.
8. **MUTE** button  
Press to mute or resume sound.
9. **SCAN** button  
Press to scan for DAB and FM stations.
10. **⏮** button  
Press to skip to previous track in Spotify, Music player and Bluetooth modes.  
Press and hold to fast reverse current playing track in Music player and Bluetooth modes.
11. **⏭** button  
Press to skip to next track in Spotify, Music player and Bluetooth modes.  
Press and hold to fast forward current playing track in Music player and Bluetooth modes.
12. **⏸** button  
Press to pause/play current playing track in Spotify, Music player and Bluetooth modes.
13. Preset buttons **1-10**  
Press and hold to store preset station.  
Press to recall stored preset station
14. **SLEEP** button  
Press to set sleep time.
15. **SNOOZE** button  
Press to active snooze function.

### The way of replace batteries:

1. Open the battery compartment cover by using your thumb downward push the bulge on the back of your remote control.
2. Install two AAA new batteries referring to the markings direction inside the battery compartment.
  - 🚫 **Note:** do not reverse any battery and do not mix battery types, also do not mix old and new batteries. When discard your old battery, please considering eco-friendly.
3. Cover the battery compartment door.

# Setup Wizard

1. After setting the language, the display will show '**Setup wizard**' screen.



2. Press **SELECT/TUNE** knob to confirm '**YES**' to start setup. Options in the setup wizard include the following:

## Date/Time

Set 12 or 24 hour format

## Auto update

- Update from DAB
- Update from FM
- Update from Network  
Select your time zone and daylight savings is needed.
- No update  
Set the date and time is needed.

## Keep network connected

Select YES or NO

3. The Wizard will now scan your location for accessible wireless networks. When the scan has finished, a list of networks will be displayed.

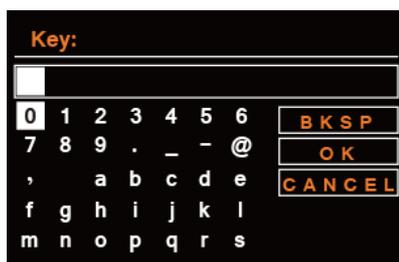
Names of wireless networks in range.



WPS security is available for this network.

## Selecting wireless network

- a. If a WEP/WPA key (password) is required, radio will ask you to input the WEP/WPA code and display the password entry screen as follows:



- b. Turn **SELECT/TUNE** knob to cycle through the alphanumeric character list, press **SELECT/TUNE** knob to select an appointed character.  
 **Note:** *WEP/WPA pass codes are case-sensitive.*
  - c. If a wrong operation is being conducted, select **B K S P** to delete designated character.  
  
 **Note:** **B K S P** = Backspace; **C A N C E L** means return to previous track; *radio will automatically save the WEP/WPA you've input, so no bother to re-enter these codes.*
  - d. After selecting the final character of your password, turn **SELECT/TUNE** knob to **O K**, and then press **SELECT/TUNE** knob to confirm. The radio is connected to wireless network.  
  
 **Note:** *If a password (WEP/WPA) isn't required by your network, radio will connect to the network automatically.*
4. Setup wizard completed, press **SELECT/TUNE** knob again to exit.

# Internet Radio Mode

1. The display will show 'Main menu' after 'Setup wizard' completed. Press **SELECT/TUNE** knob to select **Internet radio** mode.
2. While 'Station list' is highlighted, press **SELECT/TUNE** knob to confirm.



3. Then refer following section to choice stations. Or if failed to connect to network, please follow:
  - a. *Check your Router, see it working normally or not;*
  - b. *Relocate your radio to a stronger signal position is necessary!*
  - c. *Make sure your password is correct input.*

## Local Country Stations

**Local "Country"** will change according to your current location. It displays local programs of your current location.

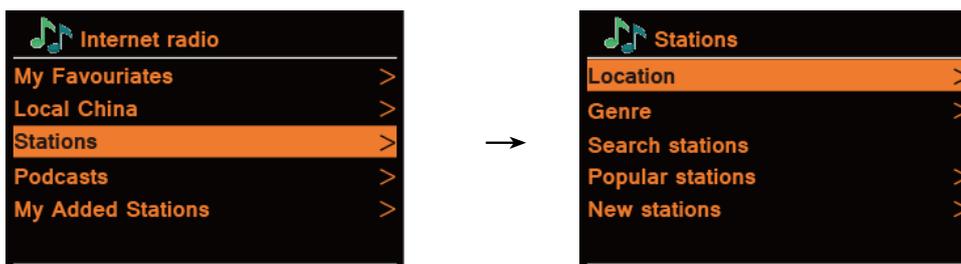
1. To enter Local stations, press **MENU** button > **Station list** > **Local "Country"**, press **SELECT/TUNE** knob to confirm.



2. Turn **SELECT/TUNE** knob to select options, and then press **SELECT/TUNE** knob to confirm.
3. Step by step to the program you desired.

## Selecting a station through Stations

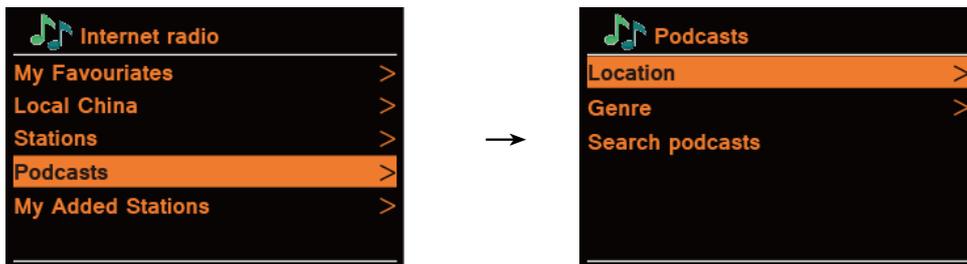
1. Press **MENU** button > **Station list** > **Stations**, press **SELECT/TUNE** knob to confirm.



2. In '**Stations**' menu:
    - '**Location**' enables you to choose from the radio stations provided by any country which you choose from a list.
      - a. While '**Location**' is highlighted, press **SELECT/TUNE** knob to confirm.
      - b. Turn **SELECT/TUNE** knob to select the region you wanted, and then press **SELECT/TUNE** knob to confirm.
      - c. Using the same method to choose country, station in turn, radio will now loading.
    - '**Genre**' enables you to choose radio stations according to their content, for example Classic Rock, Sport, News, etc.
    - '**Search stations**' enables you to enter all or part of station name to find a station.
    - '**Popular stations**' enables your radio to list the stations that have the most listeners.
    - '**New stations**' enables your radio to list the stations that have recently joined the Internet radio network.
-  **Note:** Some radio stations do not broadcast 24 hours per day, and some stations are not always on-line.

## Selecting a station through Podcasts

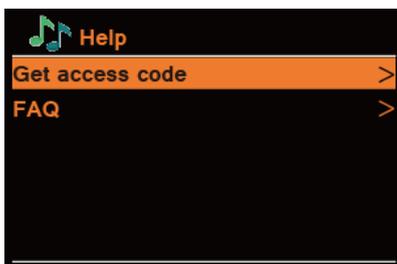
1. Press **MENU** button > **Station list** > **Podcasts**, press **SELECT/TUNE** knob to confirm.



2. Turn **SELECT/TUNE** knob to select options, and then press **SELECT/TUNE** knob to confirm.
3. Step by step to your purpose program.

## Getting Access Code and FAQ Solutions

1. To access to this order, press **MENU** button > **Station list** > **Help**, press **SELECT/TUNE** knob to confirm.



-  **Note:** at this step, you can also listening radio **FAQ** solutions.
2. When 'Get access code' is highlighted, press **SELECT/TUNE** knob to confirm, you will get it.

## Adding station to 'My Favourites'

1. To register your radio with the portal: [www.wifiradio-frontier.com](http://www.wifiradio-frontier.com).
2. Create account login, enter **Access code** is required. Access code can be found from "**Station list > Help > Get access code**".
3. You can add your favourite stations via the portal ([www.wifiradio-frontier.com](http://www.wifiradio-frontier.com)).
4. After you added the stations, in order to have your radio access your new settings, get your radio power off for several minutes is necessary.
5. The added stations are accessible by pressing **MENU** button > **Station list > My favourites**.  
 **Note:** doing a 'factory reset' cannot erase 'my favourites stations'.

## Adding station to 'My Added Stations'

1. Even though the Internet radio portal contains thousands of stations, you may want to listen to stations not listed. You can add your own stations via the portal ([www.wifiradio-frontier.com](http://www.wifiradio-frontier.com)).
2. After you added the stations, in order to have your radio access your new settings, get your radio power off for several minutes is necessary.
3. The added stations are accessible by pressing **MENU** button > **Station list > My added stations**.  
 **Note:** doing a 'factory reset' cannot erase 'my added stations'.

## Viewing Station Information

Internet programs broadcast additional information. Press **INFO** button repeatedly, the display will show the information through Station Description, Genre, Country, Reliability, Bit rate, Codec, Sampling Rate, Playback Buffer and Date Info.

## Storing Preset Stations

Your radio can store up to 10 of your favourite Internet stations.

1. While playing your favourite station, press and hold **PRESET** button on the main unit until display shows as below:



2. Turn **SELECT/TUNE** knob to cycle through the preset stations store numbers **1-10**.
3. Select one preset station number and then press the **SELECT/TUNE** knob, display will show '**Preset stored**'.
4. Alternatively, press and hold one of Preset buttons **1-10** on the remote control until display shows '**Preset stored**'.

5. Preset number '★#' will show on the display.

## Recalling a Preset Station

1. Press **PRESET** button to show the saved preset stations.



2. Turn **SELECT/TUNE** knob to select the preset station you want to play and then press the **SELECT/TUNE** knob to confirm.
3. Alternatively, press one of Preset buttons **1-10** on the remote control to play the preset station.

# Spotify Connect

Spotify gives you millions of songs at your fingertips. The artists you love, the latest hits and new discoveries just for you.

With Spotify Connect feature, you can play and control all this music wirelessly. Choose music on your smartphone or tablet, and listen on your radio.

Your radio has Spotify Connect built in. This lets you control the music playing on your radio using the Spotify app on your smartphone or tablet.

Listening is seamless – you can take calls, play games, watch a video, even switch you phone off, all without interrupting the music. It's a better way to listen at home.

\*For service availability in your country, check [www.spotify.com](http://www.spotify.com)

## Using Spotify Connect

You'll need a Spotify Premium account to enjoy instant access to million songs from the Spotify archive, all at superior audio sampling rates.

If you don't have it, just go to [www.spotify.com/freetrial](http://www.spotify.com/freetrial) for your free 30-day trial.

### How to use Spotify Connect

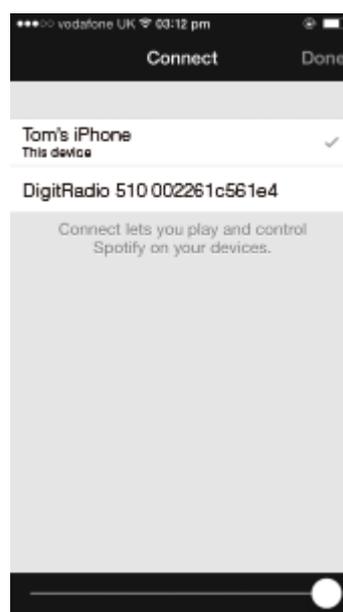
1. Download Spotify app for your smartphone or tablet (iOS or Android).
2. Connect your device to the same wifi network as your smartphone or tablet.
3. Open the Spotify app on your smartphone or tablet, and play any song.
4. Tap the square image of the song's cover art in the bottom left of the screen. Then tap the

**Connect** icon .

5. Tap 'DigitRadio 510' from the list. If you can't see it, just check it's connected to the same wifi network as your phone or tablet.

You will notice that your radio is currently listed as "DigitRadio 510 xxxxxxxxxxxx" (the 12 digit alphanumeric code is the MAC address of your radio) in the Spotify App. If you would like to change this name to something more personal ('John's Sine IR' for example), you can do so as follows:

- a. On the radio: Press **MENU** and select **Main menu > System settings > Network > View settings**. Scroll down and take a note of the 'IP address'.
- b. On your computer: Ensure that your computer is on the same network as the radio, then enter the IP address into your browser's address bar (example: 192.168.0.34). This will allow you to view some of the radio's diagnostics, but also change its name.



6. The **Connect** icon will turn green to signify that DigitRadio 510 is now selected and being used for audio playback.
7. Your Spotify app will only recognise DigitRadio 510 when the radio is connected to the internet (i.e. in Internet Radio, Spotify Connect or Music player modes). To use Spotify when your radio is in non-internet modes (i.e. in DAB, FM, Bluetooth or Aux in modes) you need to select **Main menu > System settings > Network > Keep network connected > YES**. This also allows you to wake the radio from standby using your Spotify app.

 **Note:** *If unattended to use radio for long periods of time, e.g. overnight, while on holiday or while out of the house, select **NO** to save power is recommended.*

### **Controlling Spotify Connect**

You can now control Spotify from the app like normal; search for and play your tracks, change the volume and add to playlists even though playback is through DigitRadio 510. The next time you open the Spotify app, playback will continue through DigitRadio 510.

Spotify Connect is a cloud-based service, therefore after activation on DigitRadio 510, your smartphone or tablet no longer needs to be on the same wifi network to control audio playback.

### **Use another Spotify account with DigitRadio 510**

Your Spotify account details are now stored on DigitRadio 510. To overwrite this with another Spotify account, simply follow the activation steps again whilst running the Spotify app using your desired account. Please remember that both your smartphone or tablet and DigitRadio 510 need to be on the same wifi network for the overwriting to occur.

# Music player Mode

## Setting up a Music Server

- In order for your radio play music files from a computer, the computer must be set up to share files or media.
- **UPnP media sharing** allows devices like this radio to play music from a shared media library, navigating through tag menus such as Artist, Album or Genre.
- If you are running a suitable server system such as a PC with Windows Media Player10 or later (WMP), and your music library is well-tagged, then it is recommended to use media sharing.
- Only the UPnP server needs to be set up.

## Sharing Media with Windows Media Player

The most common UPnP server is Windows Media Player (10 or later). Alternatively, other UPnP platforms and servers may be used. To set up WMP for media sharing, perform the following steps:

1. Ensure that the PC is connected to the network.
2. Ensure that the radio is powered on and connected to the same network.
3. In WMP, add to the media library the audio files and folders you want to share with your radio (**Library > Add to Library...**).
4. In WMP, enable media sharing (**Library > Media sharing...**).
5. Make sure that the radio has access to the shared media by selecting it and clicking **Allow**. You can also set a name for the shared media in **Settings...** Click **OK** to close the dialogue boxes.
6. The PC is now ready to stream the music to the radio. The WMP UPnP service runs in the background; there is no need to start WMP explicitly.

## Playing Shared Media

1. Press **MODE** button repeatedly to select **Music player** mode.
2. While '**Shared media**' is highlighted, press **SELECT/TUNE** knob to confirm, and then step by step to your selecting music.



3. When a track is playing, you can:
  - a. Press **⏮** button to skip to previous track; press and hold **⏮** button to fast reverse current playing track.
  - b. Press **⏸** button to pause or play current playing track.
  - c. Press **⏭** button to skip to next track; press and hold **⏭** button to fast forward current playing track.

## My Playlist

The My Playlist feature enables you to create a playlist of your favourite tracks from your music libraries.

Once you have your playlist ready you can choose to play through the playlist on your radio and can also set shuffle and repeat play functions while your playlist is playing.

**To save a track to 'My Playlist'**, browse the track you want to add to the playlist, press and hold **SELECT/TUNE** knob, and then the track is added to the playlist.

**To play 'My Playlist'**, press **MENU** button, and then turn **SELECT/TUNE** knob to select '**My playlist**', press **SELECT/TUNE** knob to confirm. Browse the track you want to play, press **SELECT/TUNE** knob to select.

### Repeat Play Mode

Press **MENU** button, and then turn **SELECT/TUNE** knob to select '**Repeat play: Off**', then press **SELECT/TUNE** knob repeatedly to shift repeat play '**On**' or '**Off**'.

### Shuffle Play Mode

Press **MENU** button, and then turn **SELECT/TUNE** knob to select '**Shuffle play: Off**', then press **SELECT/TUNE** knob repeatedly to shift repeat play '**On**' or '**Off**'.

## Clearing My Playlist

This feature enables you to clear the contents of your playlist.

1. Press **MENU** button, turn **SELECT/TUNE** knob to select '**Clear My playlist**', and then press **SELECT/TUNE** knob to confirm.
2. Select '**YES**' to clear my playlist.

## Prune Servers

The Prune Servers feature enables you to remove music servers that are no longer available to you to browse for music.

1. Press **MENU** button, turn **SELECT/TUNE** knob to select '**Prune servers**', and then press **SELECT/TUNE** knob to confirm.
2. Select '**Yes**' to '**Prune shared media wake on LAN servers**'.

## Now Playing Information

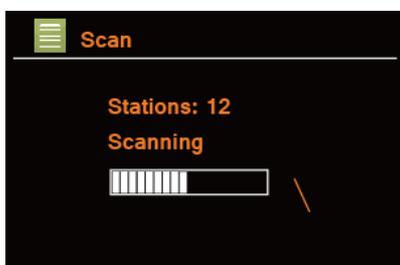
While a track is playing, the display shows the track and a progress bar with figures for elapsed and total track time.

To view further information, press **INFO** button repeatedly to display more information about the track.

# DAB Mode

## Selecting DAB Mode

1. Press **MODE** button repeatedly to select **DAB** mode.
2. For initial use, radio will carry out a full scan and store stations list in memory



3. Once the scanning is completed, the DAB/DAB+ stations will be displayed in alphanumeric order. The first station in the list will be selected, press **SELECT/TUNE** knob to broadcast.

 **Note:** if no DAB/DAB+ signal is found in your area, it may be necessary to relocate your radio to a stronger signal area.

## Selecting another DAB/DAB+ Station

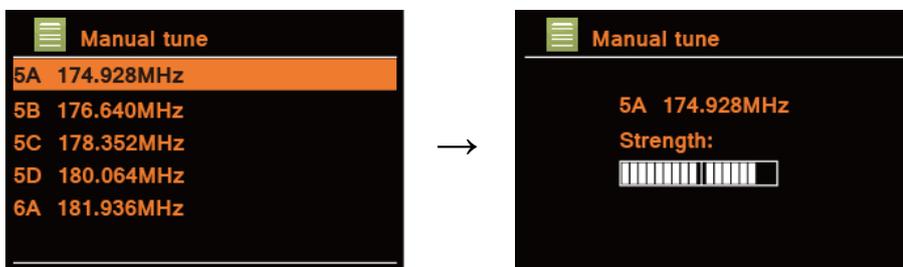
1. While a program is playing, turn **SELECT/TUNE** knob to display station list. Alternatively, press **MENU** button and select **Station list**, and then press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select the station you want to play, and then press **SELECT/TUNE** knob to confirm.

## Scanning Stations

Press **MENU** button, turn **SELECT/TUNE** knob to select **Scan**, and then press **SELECT/TUNE** knob to full scan.

## Manual Tune

1. Press **MENU** button, turn **SELECT/TUNE** knob to select **Manual tune**, and then press **SELECT/TUNE** knob to confirm, the display will show the channel number and frequency.
2. Turn **SELECT/TUNE** knob to step among the channels and then press **SELECT/TUNE** knob select the current channel.



 **Note:** If there is a multiplex corresponding to this channel and frequency, then the display will show a tuning meter with the signal strength and the multiplex name after a few seconds.

3. To exit manual tune, directly press **SELECT/TUNE** knob again.

## Prune Invalid

You may remove all unavailable stations from the station list.

1. Press **MENU** button, turn **SELECT/TUNE** knob to select **Prune invalid**, and then press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select 'YES', and then press **SELECT/TUNE** knob to confirm.

## DRC (Dynamic Range Control) value

You can set the compression level of stations to eliminate the differences in dynamic range or sound level between radio stations.

 **Note:** Set DRC to **off** indicates no compression; set DRC to **low** indicates little compression; set DRC to **high** shows maximum compression.

1. Press **MENU** button, turn **SELECT/TUNE** knob to select **DRC**, and then press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select 'DRC high', 'DRC low' or 'DRC off', and then press **SELECT/TUNE** knob to confirm.

## Changing Station Order

You may want to display the stations in different order.

1. Press **MENU** button, turn **SELECT/TUNE** knob to select **Station order**, and then press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select 'Alphanumeric', 'Ensemble' or 'Valid', and then press **SELECT/TUNE** knob to confirm your selecting option.

<b>Alphanumeric</b>	Display all stations in alphanumeric order.
<b>Ensemble</b>	List currently broadcasting active stations before inactive ones.
<b>Valid</b>	Remove inactive stations from the station list.

## Viewing Station Information

DAB/DAB+ stations broadcast additional information. Press **INFO** button repeatedly to view information through DLS (Dynamic Label Segment), Ensemble, Program Frequency, Signal Quality, Signal Strength, Bitrate, Codec, Channel and Date.

### Showing Signal Strength

While you selected signal strength, a signal bar with the strength of the current station will show on the display.



The indicator on the signal bar shows the minimum acceptable signal level.

*Note:* Stations with signal strength below the minimum signal level may not provide a steady stream of audio.

## Storing Preset Stations

Your radio can store up to 10 of your favourite DAB/DAB+ stations.

1. While playing your favourite station, press and hold **PRESET** button on the main unit until display shows as below:



2. Turn **SELECT/TUNE** knob to cycle through the preset stations store numbers **1-10**.
3. Select one preset station number and then press the **SELECT/TUNE** knob, display will show 'Preset stored'.
4. Alternatively, press and hold one of Preset buttons **1-10** on the remote control until display shows 'Preset stored'.
5. Preset number '★#' will show on the display.

## Recalling a Preset Station

1. Press **PRESET** button to show the saved preset stations.



2. Turn **SELECT/TUNE** knob to select the preset station you want to play and then press the **SELECT/TUNE** knob to confirm.
3. Alternatively, press one of Preset buttons **1-10** on the remote control to play the preset station.

# FM Mode

## Selecting FM Mode

1. Press **MODE** button repeatedly to select **FM** mode.
2. For initial use, it will start at the beginning of the FM frequency range (87.50MHz). Otherwise, the last listened FM station will be selected.



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

## Scan settings

By default, FM scans stop at any available station. This may result in a poor signal-to-noise ratio (hiss) from weak stations.

1. To change the scan settings to stop only at stations with good signal strength, press **MENU** button, turn **SELECT/TUNE** knob to select **Scan setting**, and then press **SELECT/TUNE** knob to confirm.
2. Display will show '**Strong stations only?**', turn **SELECT/TUNE** knob to select '**YES**', and then press **SELECT/TUNE** knob to confirm.

## Audio Settings

By default, all stereo stations are reproduced in stereo. For weak stations, this may result in a poor signal-to-noise ratio (hiss).

1. To play weak stations in mono, press **MENU** button, turn **SELECT/TUNE** knob to select **Audio setting**, and then press **SELECT/TUNE** knob to confirm.
2. Display will show '**Listen in Mono only?**', turn **SELECT/TUNE** knob to select '**YES**', and then press **SELECT/TUNE** knob to confirm.

## Viewing Station Information

FM stations broadcast additional information. Press **INFO** button repeatedly. The display will show the information through Radio Text, Program Type, Program Name and Date.

## Storing Preset Stations

Your radio can store up to 10 of your favourite FM stations.

1. While playing your favourite station, press and hold **PRESET** button on the main unit until display shows as below:



2. Turn **SELECT/TUNE** knob to cycle through the preset stations store numbers **1-10**.
3. Select one preset station number and then press the **SELECT/TUNE** knob, display will show 'Preset stored'.
4. Alternatively, press and hold one of Preset buttons **1-10** on the remote control until display shows 'Preset stored'.
5. Preset number '★#' will show on the display.

## Recalling a Preset Station

1. Press **PRESET** button to show the saved preset stations.



2. Turn **SELECT/TUNE** knob to select the preset station you want to play and then press the **SELECT/TUNE** knob to confirm.
3. Alternatively, press one of Preset buttons **1-10** on the remote control to play the preset station.

# Bluetooth Mode

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

1. Press the **MODE** button to select **Bluetooth** mode.
2. The display will flash in  repeatedly.
3. Activate your Bluetooth device and select the search mode.
4. 'DigitRadio 510' will appear on your Bluetooth device.
5. Select 'DigitRadio 510' and enter "0000" for the password if necessary.
6. The  icon will remain steadily on the display when connection is successful.
7. While a track is playing, you can:
  - a. Press **⏮** button once to resume to the beginning of track, then press **⏮** button once again to skip to previous track; press and hold **⏮** button to fast reverse current playing track.
  - b. Press **⏸** button to pause or play current playing track.
  - c. Press **⏭** button to skip to next track; press and hold **⏭** button to fast forward current playing track.
8. To disconnect the Bluetooth connection, press **MENU** button, turn **SELECT/TUNE** knob to select 'BT disconnect', and then press **SELECT/TUNE** knob to confirm. The display will show 'Device disconnect?', turn **SELECT/TUNE** knob to select 'YES', and then press **SELECT/TUNE** knob to confirm.

 **Note:** the unit will automatically switch to standby mode after 30 minutes if the source device is disconnect, switch off or the volume is too close to mute.

# NFC (Near Field Communication)

NFC enable you pair and connect with Bluetooth devices in a easy way.

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

# Aux in Mode

AUX IN allows for quick and easy connection to an MP3 player or other external audio sources.

1. Before connecting to the mains socket, use a 3.5mm audio cable (not supplied) to connect to your external audio device through the **AUX IN** socket on the back of unit.
2. Connect power adapter to mains socket, press **VOLUME/**  knob to switch unit on.
3. Press **MODE** button repeatedly to select **Auxiliary Input** mode.



4. In Aux in mode, you may operate your audio device directly for playback features.
  5. To gain optimal volume levels, adjusting the output volume level on the audio device as well is recommended.
-  **Note:** *the unit will automatically switch to standby mode after 30 minutes if the source device is disconnect, switch off or the volume is too close to mute.*

# Wireless Device Remote Control App

This feature enables you to navigate the radio via iOS device such as iPhone, iPad, iPod Touch. All iOS devices running iOS 3.1.3 or later allow users to control your radio as long as you install it properly.

## App installation

First and foremost, we need to make sure **App Store** has already installed on your iOS device properly.

1. Create an account on the Apple Store website:  
[http://www.ehow.com/how\\_4822341\\_download-apps-iphone.html#ixzz1Y508MZs8](http://www.ehow.com/how_4822341_download-apps-iphone.html#ixzz1Y508MZs8)
2. You will need a credit card or payment information when sign up, even if you only plan on downloading free apps, it will still require this information. After you are done with this process, you should have a user name (email address) and a password. You will need these to download the apps.



3. From your iOS device, click on the **App Store** icon and scroll through to find the app that you want to install.
4. Select the app, you want and tap the "free" icon (if it's a free app), it will then change the "free" to "install". Tap again to install. Here is where you will enter your user name and password. You should only have to enter your username once and your iOS device will remember it, but you will need to always enter a password to prevent just anyone from downloading apps to your iOS device.
5. Once your iOS device has started downloading the app, a status bar will show up to indicate how long it will take to download. Once it is complete, you can access your new app.

## 'MyDigitRadio' App installation

**MyDigitRadio** is an application that allows your iOS device to control your DigitRadio 510 radio.

1. To install the **MyDigitRadio** App on your iOS device, type **App Store** icon on the iOS device to open the App store.
2. In the App store, search for '**MyDigitRadio**'.



3. Tap '**MyDigitRadio**' icon, and then tap '**Free**' and then '**install**'.

The wireless device remote control application – **MyDigitRadio** is downloaded and installed on your iOS device.



App Store icon

## Setting up the connection

After downloading the wireless device remote control application, you must set up a connection between the iOS device and your radio.

1. For initial use, tap the '**MyDigitRadio**' icon, your device invites you input Pin code, the default code is 1234. You can give a user-defined code via your radio: press **MENU** button > **Main Menu** > **System setting** > **Network** > **NetRemote PIN setup**.
2. To also allows App works while your radio in standby mode, press **MENU** button > **Main Menu** > **System setting** > **Network** > **Keep network connected**, turn **SELECT/TUNE** knob to select '**YES**', and then press **SELECT/TUNE** knob to confirm.

 **Note:** *If unattended to use radio for long periods of time, e.g. overnight, while on holiday or while out of the house, select **NO** to save power is recommended.*

3. Set the iOS device to use the same WiFi network access point as your radio:
  - a. Select **Setting** > **Wi-Fi**.
  - b. Choose the network of your radio accessed.

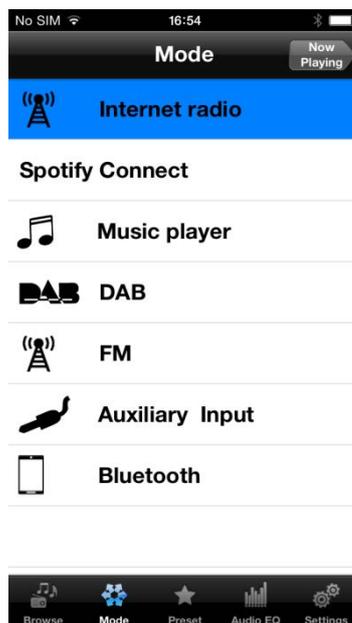
## Starting the Navigation

Tap **MyDigitRadio** icon on the main menu of your iOS device, then start to navigate your DigitRadio 510 radio.

In menu screen can find controls below:

- **Browse:** allows you to browse mode menu of Internet radio, Music player or AUX in modes.
- **Mode:** enables you to switch between listening modes (Internet radio, Music player or AUX in).
- **Preset:** in Internet Radio mode, allows you to select any stations that have been stored as presets on the radio unit.
- **Audio EQ:** allows you to select an audio equalization setting.
- **Settings:** allows you to change Smart Radio application setting parameters.

Type '**Now Playing**' on top right to show presenting information and controls for the current track or station.



# General Operation

## Setting Sleep

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

1. Press **MENU** button > **Main menu** > **Sleep**, and then press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to view options **Sleep OFF, 15, 30, 45** or **60 MINS**, press **SELECT/TUNE** knob to confirm. The sleep icon  and sleep time will show on the display.
3. To turn the sleep function off while the sleep timer is still counting down, select '**Sleep**' option, turn **SELECT/TUNE** knob to select '**Sleep OFF**'.
4. Alternatively, press **SLEEP** button on the main unit or on the remote control repeatedly to set sleep time.

## Setting Alarm

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

1. Press **MENU** button > **Main menu** > **Alarms**, and then press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select '**Alarm 1**' or '**Alarm 2**', and then press **SELECT/TUNE** knob to confirm. Alternatively, press **ALARM** button on the main unit repeatedly to set alarm.
3. Turn **SELECT/TUNE** knob to select options, and then press **SELECT/TUNE** knob to confirm the setting.

<b>Enable:</b>	Alarm active day: Off, Daily, Once, Weekends or Weekdays
<b>Time:</b>	Alarm time: 00:00 (manually set up the time )
<b>Mode:</b>	Alarm mode: Buzzer, Internet radio, DAB or FM
<b>Preset:</b>	<b>Last listened</b> or <b>saved preset station</b> (not available for Buzzer mode).
<b>Volume:</b>	Alarm volume
<b>Save:</b>	Save the alarm

4. When the display shows 'Alarm Saved', the alarm setting is successful.  or  will show on the display.
5. **To temporarily switch off alarm**, press **SELECT/TUNE** knob on the unit or press **SNOOZE** button on the remote control repeatedly to set snooze time for 5, 10, 15 or 30 minutes in turn. The set snooze time will show on the display.
6. **To turn off alarm**, press **VOLUME**/ knob when the alarm sounds
7. **To cancel Alarm**, refer to steps1-3 to enable alarm '**Off**'.

## Equaliser

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

1. Press **MENU** button > **Main menu** > **System settings** > **Equaliser**, and then press **SELECT/TUNE** knob to confirm.

2. Turn **SELECT/TUNE** knob and then press it to select Normal, Flat, Jazz, Rock, Movie, Classic, Pop, News, My EQ or My EQ profile setup.
3. To set up My EQ, select '**My EQ profile setup**', and then press **SELECT/TUNE** knob to confirm. Turn **SELECT/TUNE** knob to select Bass or Treble, and then press **SELECT/TUNE** knob to confirm. Turn **SELECT/TUNE** knob to change the value of Bass or Treble, and then press **SELECT/TUNE** knob to confirm. Press **BACK** button, display will show 'Save changes'. Turn and press **SELECT/TUNE** knob to select 'YES' to save changes.

## Network Setup

Users encountering networking issue may find these options useful for diagnosing and fixing network problems.

1. Press **MENU** button > **Main menu** > **System settings** > **Network**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select your preferred network setting option:

<b>Network wizard:</b>	Scan for available networks
<b>PBC Wlan Setup:</b>	Set up a WPS encrypted network (only supporting the router uses WPS 2.0)
<b>View settings.:</b>	View network settings such as MAC address, Wlan region, IP address etc.
<b>Manual settings:</b>	Set wireless connection
<b>NetRemote PIN Setup:</b>	Set a Net Remote Pin code
<b>Network profile:</b>	List of registered networks or delete some of unwanted networks
<b>Keep network connected:</b>	Keep network connected in DAB, FM, Bluetooth, Aux in and standby modes

3. Press **SELECT/TUNE** knob to confirm your setting.

## Setting Time/Date

1. Press **MENU** button > **Main menu** > **System settings** > **Time/Date**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select options, and then press **SELECT/TUNE** knob to confirm the setting.

<b>Set Time/date:</b>	Manually set-up both Time and Date
<b>Auto update:</b>	'Update from DAB', 'Update from FM', 'Update from Network' or 'No update'
<b>Set format:</b>	12 or 24 hour format
<b>Set timezone:</b>	Select a timezone (Only available when auto update from Network.)
<b>Daylight saving:</b>	Daylight saving settings (Only available when auto update from Network.)

3. Then setting time according to your personal preference.



## Setting Language

This feature enables you to change the language of displaying menu names.

1. Press **MENU** button > **Main menu** > **System settings** > **Language**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select your language, and then press **SELECT/TUNE** knob to confirm.

## Factory Reset

Doing a factory reset resets all user settings to default values, so time/date and presets are lost.

1. Press **MENU** button > **Main menu** > **System settings** > **Factory Reset**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select '**YES**', and then press **SELECT/TUNE** knob to confirm.

## Software Update

From time to time, your radio may make software upgrades available with bug fixes and/or additional features.

If your radio detects that newer software is available, it will ask if you want to go ahead with an update. If you agree, the new software is then downloaded and installed.

After a software upgrade, all user settings are maintained.

### C A U T I O N

Before starting a software upgrade, ensure that your radio is plugged into a stable mains power connection. Disconnecting power during a software update may permanently damage the unit.

1. Press **MENU** button > **Main menu** > **System settings** > **Software update**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select '**Auto-check setting**', your radio will check periodically for new version software.
3. Turn **SELECT/TUNE** knob to select '**Check now**', your radio will now to check new version software and automatically upgrade the detected new version software.

## Setup Wizard

When this unit is started for the first time, it runs through a setup wizard to configure settings for date/time and network. Once this has finished, the system is ready to use in most modes.

1. Press **MENU** button > **Main menu** > **System settings** > **Setup wizard**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select '**YES**', and then press **SELECT/TUNE** knob to confirm.

## Viewing System Info

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

1. Press **MENU** button > **Main menu** > **System settings** > **Info**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to view '**SW version**', '**Spotify version**', '**Radio ID**' and '**Friendly Name**'.

## Setting Backlight

1. Press **MENU** button > **Main menu** > **System settings** > **Backlight**, press **SELECT/TUNE** knob to confirm.
2. Turn **SELECT/TUNE** knob to select '**Power-on Level**' or '**Standby Level**', then press **SELECT/TUNE** knob to confirm.
3. Turn **SELECT/TUNE** knob to select backlight level, and then press **SELECT/TUNE** knob to confirm the setting.

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

# Specifications

Items	Specifications
<b>Description:</b>	Internet, DAB/DAB+ and FM radio with Bluetooth and Spotify Connect
<b>Power Requirements:</b>	AC Input: 110-240Vac, 50-60 Hz DC Output: 18V, 2A
<b>Audio Output Power:</b>	10Wrms x 2
<b>Power Consumption:</b>	36W (Max)
<b>Dimension (W x H x D):</b>	350mm x 115mm x 132mm



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.