

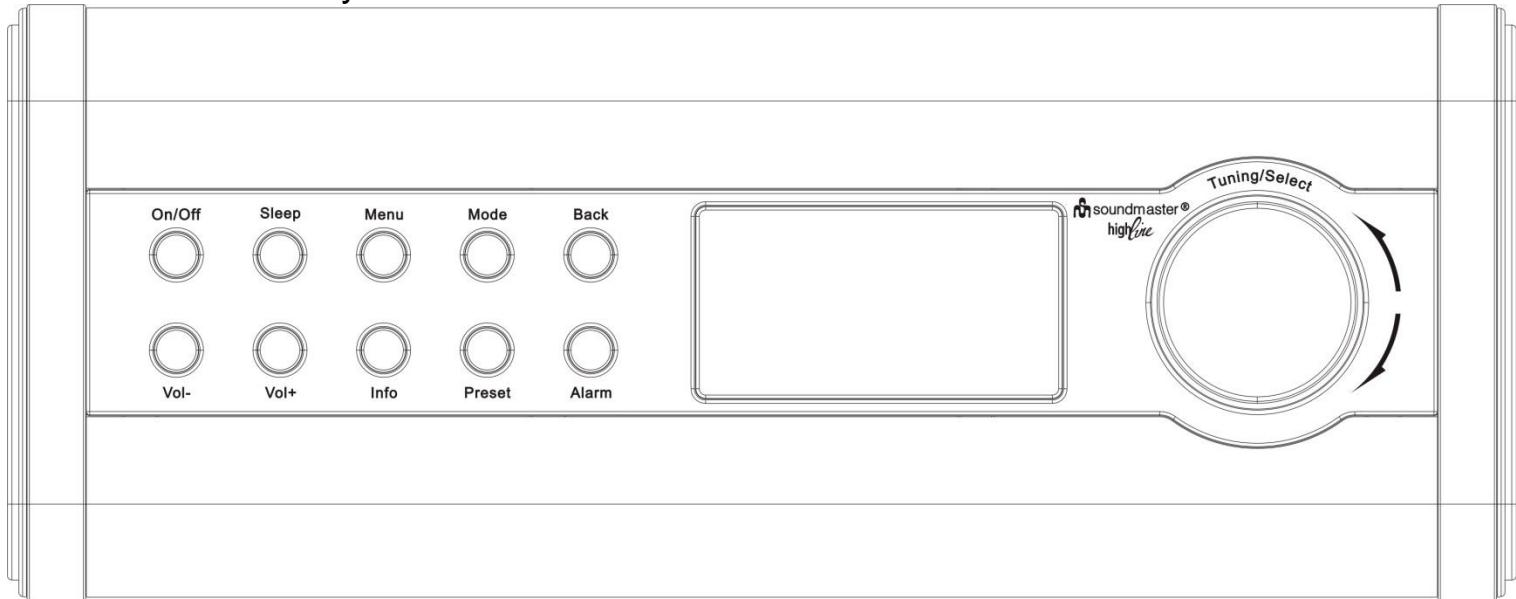
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IR3000DAB Internet Radio

1. Main Control Key List



N0.	Button	Function/Usage
1	On/Off	Turn on or turn off the unit.
2	Sleep	When playing, standby after a set time. When alarm is sounding, snooze for a set time.
3	Menu	Show menu for the current mode. Press again to show Now playing screen.
4	Mode	Cycle through the modes: Internet Radio, Music player,DAB,FM,Aux in.
5	Back	Return to previous screen. In play mode, this button may be used to return to the last track list or station list.
6	Vol-	Decrease volume.
7	Vol+	Increase volume.
8	Information	View more information about the station or track playing. Press again to cycle through further information screens then return to the normal Now playing screen.
9	Preset	Press for the preset recall or save menu. Scroll up or down to select the preset number, then press "Select" to confirm.
10	Alarm	Enter alarm wizard, turns off alarm(when alarm is sounding) and, in standby, sets which alarms are active.

Rotary Control	Function/Usage
Tuning>Select	Turn clockwise or anticlockwise to scroll down or up through a menu, list of items or station list. The current item is highlighted in reverse text(dark characters on a white background).Then press to select the highlighted item.

Note: Some buttons have alternate functions depending on whether they are pressed briefly or held down for a few seconds.

Remote Control Key List

The remote control operates in a similar way to the main unit control keys.

Button	Function	Remote Control Photo
	Standby: Turn on or back to standby mode(showing clock and date).Cancel sleep function.	
	Cycle through the modes: Internet Radio, Music player,DAB,FM,Aux in.	
	Sleep/Snooze: When playing, standby after a set time. When alarm is sounding, snooze for a set time.	
	Mute.	
	Increase volume.	
	Menu: Show menu for the current mode. Press again to show Now playing screen.	
	Tune up station and skip back.	
	Tune down station and skip forward.	
	Info:View more information about the station or track playing. . Repeat press to cycle through further information screens.	
	Press to select the highlighted item.	
	Enter alarm wizard, turns off alarm(when alarm is sounding) and, in standby, sets which alarms are active.	
	Press for the Preset recall or save menu. Scroll up or down to select the preset number then press "Select to confirm".	
	Decrease volume.	
	Return to previous screen. In play mode, this button may be used to return to the last track list or station list.	
	Shift: Music player or Radio preset shift songs.	
	Set or recall preset 5 or 10.	
	Set or recall preset 4 or 9.	
	Set or recall preset 3 or 8.	
	Set or recall preset 2 or 7.	
	Set or recall preset 1 or 6.	



2. Getting Started/Set up

The various listening modes have different requirements:

- Internet Radio requires a suitable internet broadband connection (usually via a local wired or wireless network).
- Music Player requires connection to a wired or wireless network.
- DAB/FM requires a DAB/FM broadcast signal via the built in antenna.
- Aux-In requires connection via the Aux-In socket.

Connect the unit to a suitable power source using the power supply provided. After showing a starting screen, it will enter the last used listening mode. When the unit is started for the first time, the setup is launched automatically.

2.1 Setup Wizard

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



Note: To change these settings later, select Menu>System settings >and select the required settings option(s)(see section 4 settings for further detail(s).



To run the setup wizard again, select **Menu > System settings > Setup Wizard**.

Select **Yes** to start the setup wizard.

If you choose **NO**, the next screen asks if you would like to run the wizard next time the unit is started. The system then starts without configuring time/date and network settings and enters the Main Menu.

Note: If power is removed while the wizard is in progress, the wizard will run again next time the unit is started.

The Setup wizard guides you through the basic setup parameters for time/Date and Network connection. For details see the relevant settings in section 4 Settings. To change any settings later all setting functions are accessible from the Settings Menu.

3. Operation

To select a Mode, press **Mode** repeatedly until the required Mode splash screen is displayed. After a brief moment the unit switches to that mode. The last station or track previously used in that mode is selected. If this is not possible, the unit scans for relevant stations, networks, or prompts the user for appropriate input. See the relevant Mode section for details of how to use each listening mode.

3.1 Menu Navigation

The primary control for moving through menus and options is the **Select Control**. Rotate the control to move up or down a menu. Once the required option or value is highlighted press the **Select** Control. All menus and lists act as loops such that turning the control to go beyond the first or last entry in a menu or list takes you to the opposite end of the menu or list. So going up from the first entry in a menu will take you to the last option in the menu, etc.

A scroll bar appears on the right of the screen if there are more options above or below those visible

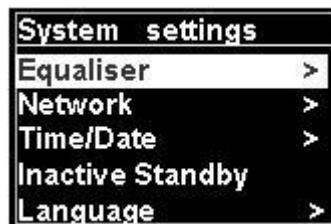
To enter the menu tree in a particular mode press **Menu**. To move back a menu level press **Back**. To exit the menu system, press **Menu** again.

Each mode has a **Mode menu**, with options specific to that mode. For example, the FM mode menu has two mode specific options: Scan setting and Audio setting.



In addition, each mode menu has two final options: **System settings** and **Main menu>**. The > indicates options lead to further menus.

The **System settings menu** presents system setting functions to allow the user to setup how the unit behaves. This includes network, time, language and software parameters.



The **Main menu** presents an alternative method for selecting listening Modes plus sleep and alarm functions.



Some menus, for example the System settings menu, have several submenus.

A menu map for the various listening modes and the System Settings and Main menu shown on the following page.

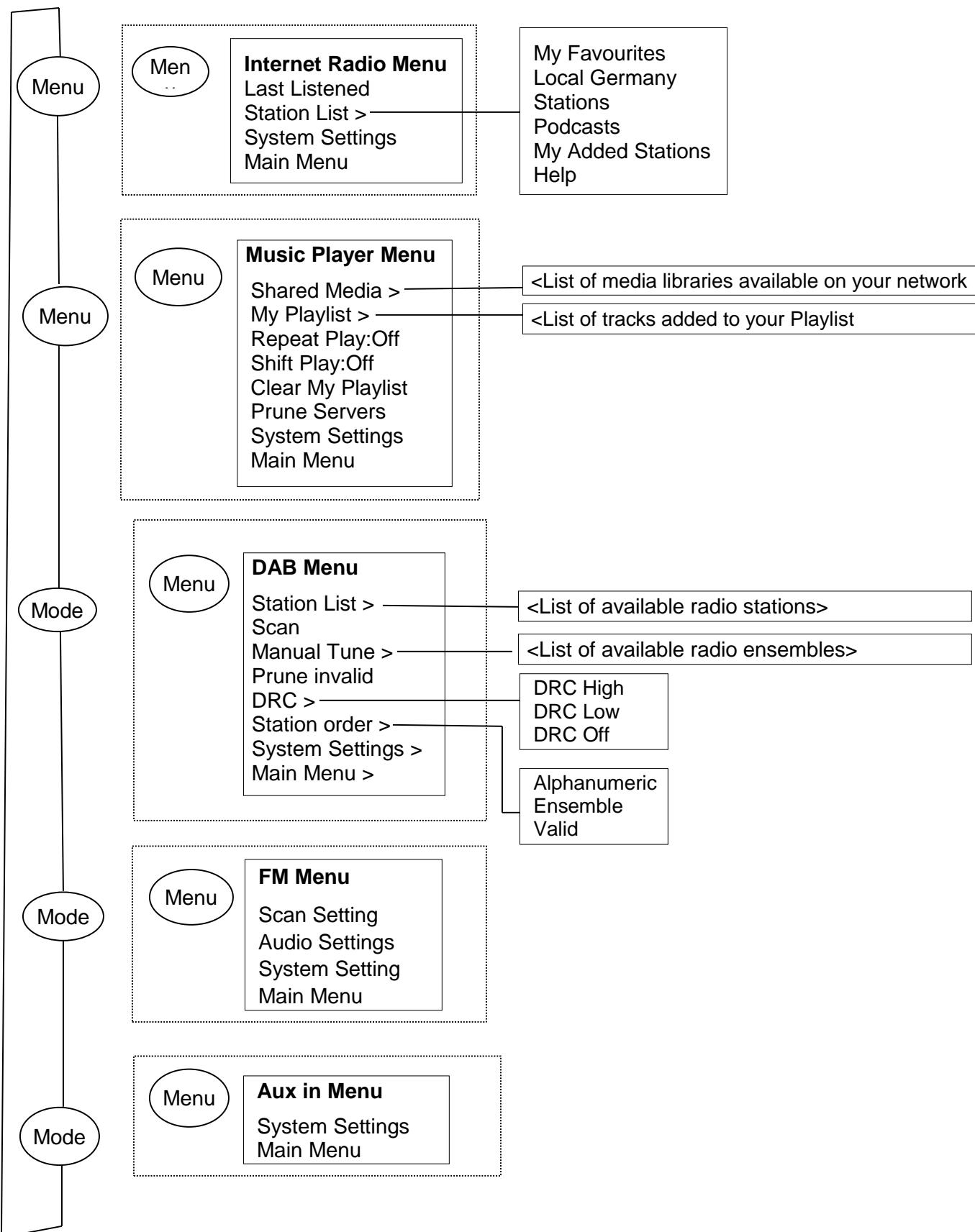


Figure 1 Mode Menu Structure

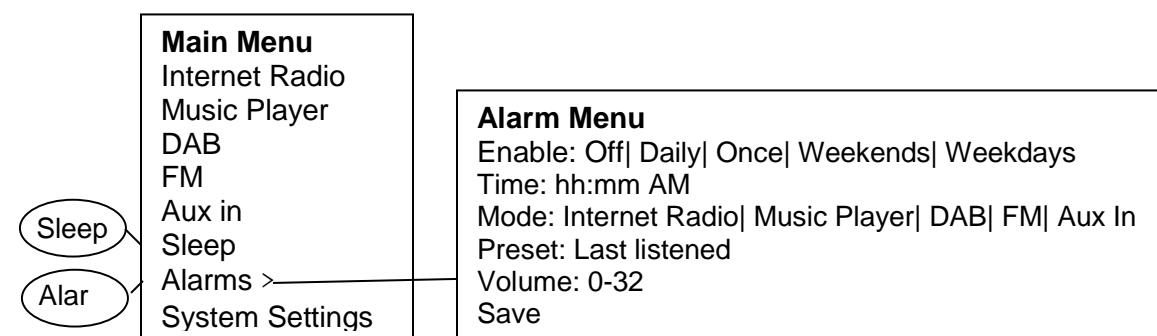
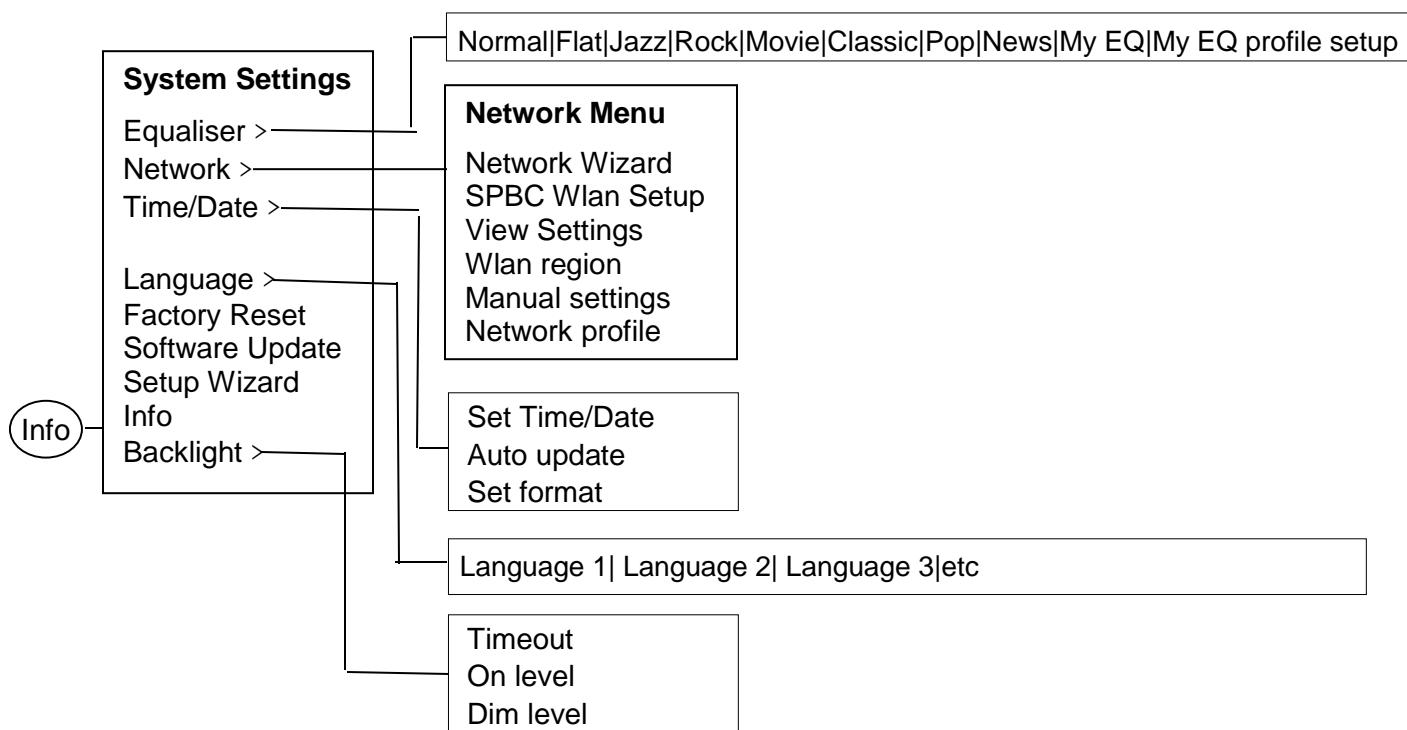


Figure 2 System Settings and Main Menu

3.2 Presets

In Internet Radio, DAB and FM modes, up to ten preset stations can be stored and recalled.

Presets are stored in the radio and cannot be accessed from other radios.

To store the current radio station as a preset, press and hold **Preset** until the display shows the Save preset screen. Select one of the 10 presets to save the currently playing station.

To select a preset, press Preset briefly, then select one of the listed preset stations. When a preset station is playing, its preset store number Pn(P1, P2 etc) is shown in the bottom of the screen.

4.Settings

All the settings parameters for the unit are available on the Settings menu.

Note: Settings included in the Setup Wizard are indicated w “wizard”.

Settings menu options:

- Equaliser
- Network-wizard
- Time/Date-wizard
- Language
- Factory Reset
- Software update
- Setup Wizard
- Info
- Backlight

4.1 Equaliser

Several preset EQ modes are available; also a user defined setting(My EQ)



To choose an EQ setting, select Menu > System **Settings> Equaliser**.

You can then choose from a variety of preset modes My EQ.



The last option (My EQ profile setup) allows you to define your own settings for the “My EQ” option, with custom bass and treble settings.



4.2 Network

- Network Wizard-wizard
- WPS Setup
- View Settings
- Wlan region-wizard
- Manual Settings
- Network profile

This unit is compatible with all common network protocols and encryption methods, including WiFi Protected Setup (WPS).

To connect this unit to your network, you need one of the following:

- A wired router and an Ethernet (RJ45 network) cable.
- A WiFi wireless router, together with passphrase key if set.

To select a network use either the Network wizard or Manual settings.

4.2.1 Network Wizard

This guides you through the necessary steps to join a network. This is also automatically run as part of the Setup wizard. The screens and options presented will depend on the type of network and network protection used.

Selecting a network

When the Network wizard is chosen this unit automatically scans for available wireless networks and presents a list of SSID's (Service Set Identifier for the networks. Those options starting with WPS in brackets indicates encrypted networks offering WiFi Protected Setup (WPS) options, for further details see under section 4.2.2 PBC Setup (WiFi Protected Setup).

This unit remembers login details for the last four wireless network it has connected to and will automatically connect to them when they are available. If connection to a network is temporarily lost, the unit will automatically reconnect.

WiFi network (SSID), select a network from the list.

To connect to a wired network, select [Wired], after ensuring that the Ethernet cable from the wired router is connected to the Ethernet socket of the unit.



Open Network

If the network is open (non-encrypted), the unit connects and no further details are required ; see Completion below..

Standard encrypted network

If the wireless network is protected the next screen presents options to enter the network key or passphrase.

Note: The default passphrase for most wireless routers is printed on a label on the router..

To enter the network's key (passphrase), use the **Select** control to highlight the next relevant character and press to select each character in turn. As each character is selected, the key is built up and displayed in the field at the top of the display.

The three options -**Backspace** **OK** and **Cancel** are included in the selection loop. These can be accessed just using the Select control, or a short cut is available pressing the Info key, which moves the selection highlight to the BackSpace option.



On Completion

The unit connects to the selected network.

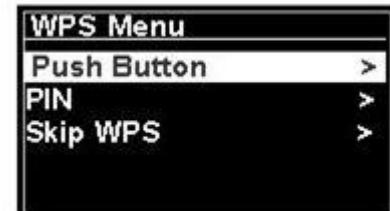
If connecting fails, the unit returns to a previous screen to try again. To exit the process use the Back/Menu button



If the network connection is lost, the unit automatically reconnects.

4.2.2 PBC Setup (WiFi Protected Setup)

WPS encrypted networks are identified by 'WPS' at the start of the network name, and have two methods of connection. Select one and follow the prompts
When using the network wizard an additional option to Skip WPS is available.



Push Button

The unit prompts you to press the connect button on the router and then press the select control

Pin> (code number) this unit generates at an 8-digit code number which you enter into the wireless router.



Skip WPS>

Enter key as for a standard encrypted network, above.

The unit connects to the network; see 'On completion above.'

For more information on setting up a WPS encrypted network, see your WPS router's instructions.



4.2.3 View Settings

Displays the settings details for the current network setup, including:

- Active connections
- MAC Address
- Wlan region
- DHCP
- SSID
- IP Address
- Subnet mask
- Gateway address
- Primary DNS
- Secondary DNS

4.2.4 Wlan region

Presents a list of regions to configure the appropriate wlan behavior of the unit Select the appropriate region for the location in which the unit will be used.

4.2.5 Manual Settings

There are also other options for viewing and manually altering network settings from **Menu > System settings> Network >**(for example setting up a wired network).

Users experienced with networking may find these options useful for diagnosing and fixing network problems.

Wired/Wireless

DHCP enabled/disabled

SSIP

Authentication

Encryption type

Passphrase/key

4.2.6 Network profile

This displays a list of the networks remembered by the unit (up to a maximum of 4). You can see the list of registered networks through **Menu> System settings> Network > Network profile>**From here you can delete unwanted networks by turning and pressing **Select** then confirming delete **Yes**.

4.2.7 Keep Network connected

This function helps to keep active the WiFi connection, once the device will be switched into Standby, so that the Internet connecting going quicker after reboot. You can choose to activate or deactivate this function from **Menu> System settings> Network >Keep network connected ? YES or NO** Default setting is being in YES.

4.3. Time/Date

- Set Time/Date
- Auto Update
- Set Format

4.3.1 Set Time/Date (wizard)

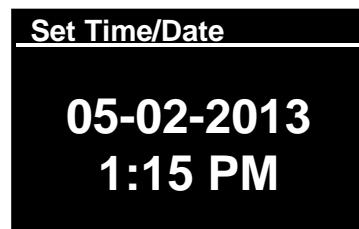
The date and time are displayed as dd-mm-yyyy and hh:mm AM/PM with the first value, dd, active (flashing).

Adjust each value with the **Select** control. As each value is set by pressing the Select control, the next value becomes active ready for adjustment

4.3.2 Auto update (from DAB, FM or Network) (wizard)

Auto-update works with data sent over DAB, FM or the Internet. The clock is only updated when in a corresponding mode, so It is best to select a mode you use regularly.

DAB and **FM** use time signals broadcast with radio transmissions.



Network uses a time signal sent from the Frontier Silicon Internet radio portal when in any network connected mode.

1. Select Update from DAB, Update from FM, Update from Network or No update.
2. If you are updating from the network, set your time zone.
3. If your country uses daylight saving, the automatically updated time from the network may be wrong by one hour. When daylight savings are in effect (during the winter), turn on the Daylight savings option to rectify this.

Note that if you are updating the time from DAB or FM, the **Daylight savings** option has no effect on the clock's time.

The unit will auto update from the selected source when time information is available.

4.3.3 Set Format (wizard)

Allows you to change between 12 and 24 hour display,

4.5. Language

The default language is English. To change, select **Menu > System settings > Language >then select your language.**

List of Language

No.	Language	No.	Language	No.	Language	No.	Language	No.	Language
1	English	4	Finish	7	Italian	10	Spanish	13	Turkish
2	Danish	5	French	8	Norwegian	11	Portuguese		
3	Dutch	6	German	9	Polish	12	Swedish		

4.6 Factory Reset

A factory reset resets all user settings to default values, so time/date, network configuration and presets are lost. However, the radio's current software version is maintained, as is registration with the Internet radio portal. Internet radio favorites therefore remain unless you re-register your radio with another account on the portal website.

To perform a factory reset, select **Menu > System settings> Factory reset Proceed> Yes,**

4.7 Software update

From time to time, Frontier Silicon may make software upgrades available with bug fixes and/or additional features. You can either check manually, or set the unit to check periodically automatically (this is the default). If the unit detects that newer software is available, it asks 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.

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

To turn automatic checking on or off, select **Menu > System settings> Software update> Auto check setting.**

4.8 Setup Wizard

This allows you to run the Setup wizard at any time. Guides you through the essential settings in the following order:

1. Date/Time -Set format
2. Auto update-select clock update source or No Update.
3. Set Time/Date (this step is only needed if the 'No Update' option is selected in Auto update).
4. Network wizard automatically runs (see section 4.2.1 Network Wizard).

Once you are connected to a network the wizard is completed.

4.9 Info

Shows details of the current system including:

- SW Version: Software version number
- Radio ID: Unique code used to identify this particular radio device.
- Friendly name: (name by which the radio is identified on a network).

4.10 Backlight

The unit display can be set to dim, when in Standby, after a Timeout period. This option allows you to set the timeout period and the brightness settings before (On level) and after (Dim level) the timeout period..

For the On level High, Medium and Low, plus an Auto setting are available.

For the Dim level, Medium, Low and Off, plus an Auto setting are available.

5. Internet radio mode

The unit can play thousands of radio stations and podcasts from around the world though a broadband Internet connection.

When you select Internet radio mode, the unit contacts Internet radio portal to get a list of stations, organised into different categories like Country Most popular and Genre Once you select a station, the unit connects directly to that station.

The portal also enables multiple lists of favorite station that you can personalise, for example Andy's stations Jo's favourites Talkshows . To use the favorites feature, register your radio with the portal website as described in Section 5.7 Internet radio portal registration. If you have several Frontier Silicon radios, you can register them all on the same account so that each radio has access to your favorites lists. It is possible to add favourites either directly through the unit or through any computer with a web browser.

To enter Internet Radio mode, either press **Mode** until the display shows Internet Radio or select **Menu> Main menu >Internet Radio**.

Note: The station list menu is provided from the Internet radio portal, so it is only accessible when the unit is connected to the Inter net. Station lists and submenus may change from time to time.

There are several ways of selecting stations.

Directly from the radio:

- Last listened
- Presets

From the portal through the **Menu > Station list >menu:**

- Location-find a radio station based on its location in the world.
- Genre-Search for stations broadcasting the type of music you like.
- Search Stations -Search for a station name.
- Popular Stations -lists the most popular, listened to stations on the internet.
- New stations-lists the lastest stations broadcasting.



5.1 Last listened

When Internet radio mode restarts, the last-listened station is selected. To select another recently used station, select **Menu > Last listened** then one of the stations listed. Most recent stations appear at the top of the list.

5.2 Favourites

Favourites are stored on the Internet radio portal. Before you set up an account on the portal from its Web interface (www.wifiradio-frontier.com), the favourites are associated solely with the radio on which you set them. After you set up a portal account, all the favourites from your different radios are merged into a combined favourites list .This combined list is available to all the radios on your account.

To store a playing station as a favourite, press and hold **Select** until the display shows 'Favourite added'. The station appears in the default favourites list Stations.

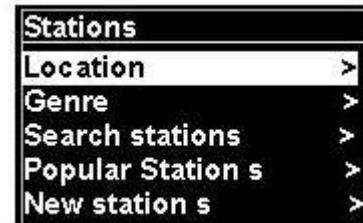
To select a favourite, select **Menu >Station list > My favourites > [Favourites list]> > [Station]**.

5.3. Browse

To browse Internet broadcasts, select **Menu > Station list >Browse** through the menus to find appropriate broadcasts. For example: Select Stations:



And the Stations menu is displayed, select Genre:



To see the Genre menu, Select Blues:



And the Blues menu allows you to select a station from a complete list or from specific countries.

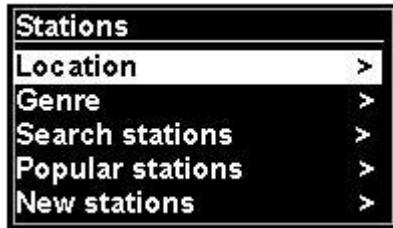


Choose a radio station from the list to tune to that station.

5.4 Search

You can also search through Internet broadcasts for stations or podcasts with particular keywords in their title.

To search, select **Menu > Station list>**then either
Search Stations >



Enter a keyword by selecting characters then OK

The search entry screens are similar in operation to the Wi-Fi passphrase entry screen.



Select a broadcast from the list.

For podcasts, you may be able to select a particular episode.



5.5 My added stations

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. These added stations are accessible from unit by selecting **Menu> Station list >**

5.6 Now playing information

While the stream is playing, the screen shows its name and description. If artist and track information is available, this is also shown. To view further information, press Info.

Each time you press Info, another set of information is displayed, cycling through the following details:

- Artist and track name (default; where available)
- Station description
- Station genre and location
- Signal reliability
- Codec and sampling rate
- Playback buffer
- Today's date

5.7 Internet radio portal registration

The Frontier Silicon Internet radio portal website allows you to organise your favourites lists and also listen to Internet radio on a computer.

FRONTIER SILICON Radio Portal

Search

Stations Podcasts

Browse Stations
By location
By genre
By language
New stations
Most popular

Browse Podcasts
By location
By genre

My account
My favourites
My added stations
My preferences

English Dansk Português
Español Norsk Italiano
Français Svensk Nederlands
Deutsch Suomi

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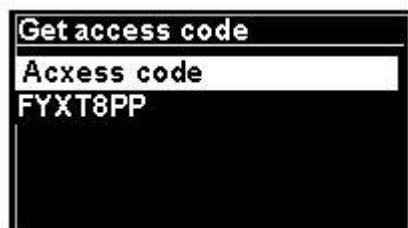
Access global stations
Personalise favourites

Search. Browse. Find.

Mark's radio

Station name	Location	Genre	Stream
2 Ten FM	Reading United Kingdom	Electronica	WMA 128K
BBC Radio 2	London United Kingdom	Variety	RealPlayer 44K
Capital Radio	London United Kingdom	Top 40	WMA 128K
Virgin Radio	London United Kingdom	Pop	MP3 128K
On Air Power	Internet Only	World Asia	MP3 128K
Antenna Uno	Catania Italy	Dance	MP3 96K
BBC Radio 1	London United Kingdom	Top 40/Dance/Rock	RealPlayer 16K
Radio Dzair	Internet Only	World Middle East	MP3 128K
108 Xtra	United Kingdom	Electronica	MP3 256K
Capital FM 98.4	Nairobi Kenya	Pop	WMA 20K
BBC R5LiveSportX International	London United Kingdom	Sports	WMA 48K
Classic FM	London United Kingdom	Classical	WMA 128K

Playing Radio Morris 128 K Segavibes faya av



To register your unit with the portal, switch to Internet radio mode as described in Section , and then obtain your radio's unique portal access code by selecting Menu >Station list > Help > Get access code>Write down the access code.

Note:The displayed access code is only valid for a few minutes. If you fail to register your radio within the time window you will need to repeat the above step to get a new access code and try again.

Do not confuse the portal access code with the Radio ID (from) Visit the portal website at www.wifiradio-frontier.com.

If this is your first visit to the portal, register for a new account, entering the following information:
access code,
your e-mail address,
passphrase
radio model (RD1363DAB).

If you already have an account and wish to add an additional radio, log in to your account and select My preferences>Add another Wi-Fi radio.

Once your radio is registered with the portal, you can immediately use the Internet radio favourites and added stations features.

6. Music player mode(Network)

Music player mode plays audio files such as MP3s,AACs, WMAs or FLACs from a computer on the local network, or a hard drive.

To enter Music player mode, either press **Mode** until the display shows **Music player** or select Menu >Main menu >Music player.

Once in music player mode, press **Menu**, then select **Shared media**.



If you are already playing a music file, you can press **Back** rather than **Menu** to quickly return to the last visited branch of the menu tree. For example, listening to the track 1of an album through browsing shared media as described in section 6.1 below.

- Pressing **Back** would return you to the track listing for the album.
- Pressing **Back** again would list all available albums by the same artist.
- Pressing **Back** again would list all album artists , and so on.

6.1 Shared media

Select **Menu > Shared media**

If you have set up shared media (see section 6.5 Setting up a music server for details), You should see an entry consisting of <computer name>\<Shared media name>, for example JB-Laptop: Audio . If you have more than one computer sharing media, the alternatives are listed **Select** the shared media you want to play.

From this point on, the menus are generated from the shared media server (typically Windows Media Player). The first menu shows a list of media types, for example Music , Video, Pictures and Playlists
The unit can only play music and playlists.



There is also a search function, which finds tracks in a similar way to Internet radio search, as described on page 13



In the Music menu there are numerous options for selecting tracks .Select one of the options to find the music you want to listen to.



Once you have found a track you want to play, press **Select** A short press plays the track immediately and a long press adds the track to "My Playlist" .. You can also add entire albums to "My Playlist".

Playlists you have created on your shared media server can be accessed and played via the Playlists option in the Shared media menu.

6.1.1 Wake-on-LAN

When shared media is selected a list of available music servers is displayed.

If a question mark appears before the server name, this indicates that the server has been seen before and supports Wake-on-LAN functionality, but cannot currently be found on the network. If a server with a question mark is selected by the user, the device will try to wake the server up and connect to it. In some instances this may not be possible as the server may not be connected to the network any more or may be switched off.

6.1.2 Prune servers

From time to time it may be necessary to remove servers displaying question marks in front of the server name from the server list. For example, if the device is moved to a new network or if a Wake-on-LAN server is removed from your current network.

To perform this function go to **Menu > Prune servers > Yes**.

6.2 My Playlist

The unit holds a queue of up to 500 tracks in My playlist. Playlist tracks can be a mixture from multiple (available) UPnP servers .. To manage the playlist, select **Menu > My playlist**.



- To view the playlist, scroll though it by turning **Select**. UPnP tracks show their track name.
- To play the playlist from a certain track, quick **Select**.
- To erase a track from the playlist, long **Select**. then confirm YES.

If you select a track/album/folder for instant playback (without using the playlist), the playlist is preserved. The playlist is also preserved during standby.

6.3 Repeat/shuffle

You can repeat tracks or play them in random order by selecting **Menu > Repeat play** or **Menu > Shuffle play**

6.4 Now playing information

While a track is playing, the screen shows its track and artist (UPnP). There is also a progress bar with figures for elapsed and total track time. At the bottom of the screen, an icon indicates UpnP. To view further information, press **Info**.

Each time you press **Info**, another set of information is displayed, cycling through:

- UPnP: playback progress bar (default), artist, album, codec/sampling rate, playback buffer bar, today's date.

6.5 Setting up a music server

In order for the unit to play music files from a computer, the computer must be set up to share files or media.

UPnP media sharing allows devices like RD1363DAB 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 Player 10 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.

Note: Tunes does not currently work as a UPnP media server, but there are add-ons available to work with an iTunes library.

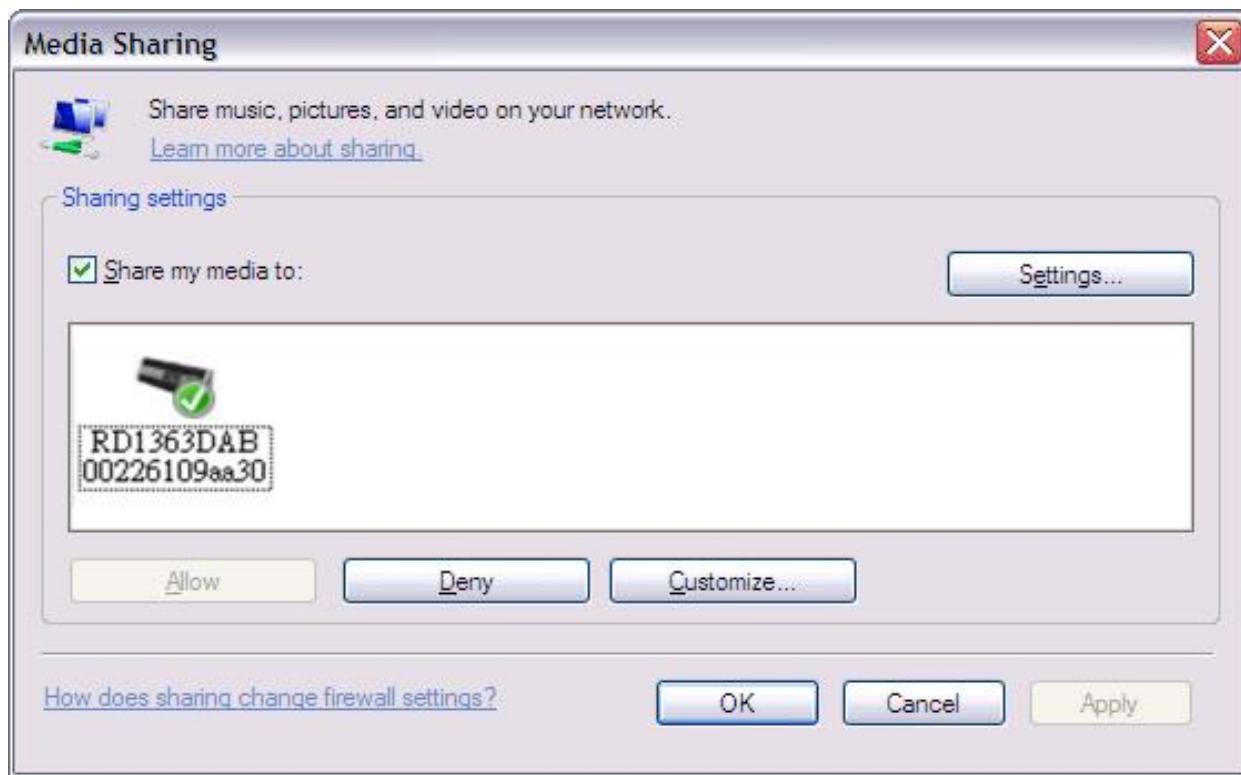
6.6 Sharing media with Windows Media Player

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:

- Ensure that the PC is connected to the network.
- Ensure that the radio is powered on and connected to the same network.
- In WMP, add to the media library the audio files and folders you want to share with the unit (**Library> Add to library**.).
- In WMP, enable media sharing (**Library> Media sharing--**).

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.

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.



6.7 Using the “Play To” feature in Windows 7 to stream media

One of the new Windows 7 features include a feature called “Play To” and this lets your PC running Windows 7 control the unit to push media and use as a universal remote control for your media collection.

This unit supports the industry standard DLNA (Digital Living Network Alliance) 1.5 digital media renderer. This allows you to "Play To" other devices around your home and combine media streaming with controlling a connected media receiver while streaming content to it from another Windows 7 PC on a home network.

6.8 Use “Play To” in Windows Media Player

Windows Media Player makes it easy to manage your media, find items that you want to play, and open Play To

- . To select items that you want to play, follow these steps:
 1. Click the Start button, click All Programs, and then click Windows Media Player .
If the Player is currently open and you're in Now Playing mode, click the Switch to Library button in the upper-right corner of the Player..
 2. If the list pane is closed or if the Burn or Sync tabs are exposed, click the Play tab.
 3. Find the items that you want to play in the Player Library, and then drag those items from the details pane into the list pane.
 4. Click the Play To button at the top of the list pane; click the device on your network that will receive the media.
 5. In the Play To dialog box, use the playback controls to play, pause, or stop the media stream, and to change to the next or previous item in the list.

6.9 Use “Play To” elsewhere in Windows 7

Outside of Windows Media Player, you can stream media to this unit with “Play To” by right -clicking music files. To select music files and stream them to this unit, follow these steps:

1. Click the files you want to stream to this unit.
2. Right-click the selected files, point to “Play To”, and then click the device on the network that will receive the media..
3. In the Play To dialog box, use the playback controls to play, pause, or stop the media stream, and to change to the next or previous item in the list.

6.10 Now playing information

While a track is playing, the screen shows its track name (UpnP) There is also a progress bar with figures for elapsed and total track time. At the bottom of the screen, an icon indicates UPnP. To view further information, press **Info**.



Each time you press **Info**, another set of information is displayed, cycling through the following

- Artist, album, codec/sampling rate, playback buffer

7. DAB radio mode

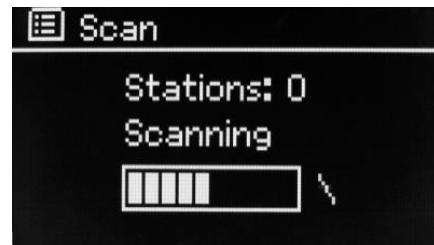
DAB radio mode receives DAB/DAB+ digital radio and displays information about the station, stream and track playing.

To enter DAB mode, either press **Mode** until the display shows DAB Radio or select **Menu > Main menu > DAB**.



7.1 Scanning for stations

The first time you select DAB radio mode, or if the station list is empty, the unit automatically performs a full scan to see what stations are available. You may also need to start a scan manually to update the list of stations for one of the following reasons:



- Available stations change from time to time..
- If reception was not good for the original scan (for example the antenna was not up), this may result in an empty or incomplete list of available stations.
- If you have poor reception of some stations (burbling), you may wish to list only stations with good signal strength.

To start a scan manually, select **Menu > Scan**.

Once the scan is complete, the radio shows a list of available stations.

A question mark before a station in a list indicates that the station is currently unavailable. Depending on the cause of the loss of signal this may be only temporary.

Stations that are unlikely to be available again (for example you have moved out of the broadcast range of a station), can be removed from the station list.

To remove stations that are listed but unavailable, select **Menu > Prune invalid**.

7.2 Selecting stations

To listen to or change a station, turn the **Select** control a list of stations from which you can select is presented. Stations listed with a ? question mark in front of them are not available.. Once selected, the station plays and the screen shows information about the station, track or show broadcast by the station.

Alternatively, pressing either the Fast Forward or Rewind keys, jumps to the next station up or down in the station list.

Preset stations can be stored and recalled as described in Presets.

7.3 Now playing information

While the stream is playing, the screen shows its name and DLS Dynamic Label Segment information broadcast by the station giving real-time information such as programme name, track title and contact details. Stereo broadcasts are indicated with an icon at the top of the screen. To view further information, press **Info**.

Each time you press **Info**, another set of information is displayed, cycling through DLS text programme type, ensemble name/frequency, signal strength/error rate, bit rate/codec/channels today's date and DL Plus (if available).

7.4 Settings

Dynamic range compression

Some DAB broadcasts offer dynamic range compression (DRC). This feature allows adios to compress the dynamic range of the output audio stream, so that the volume of quiet sounds is increased , and the volume of loud sounds is reduced is reduced useful if you are listening to music with a high dynamic range in a noisy environment (for example, classical music while cooking).

To change the DRC of this unit , select **Menu >DRC** and then **DRC high** **DRC low** or **DRC off**.

Note: This unit 's DRC setting does not have any effect if DRC data is not included in the broadcast.

Station order

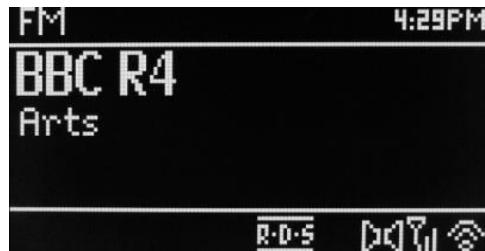
You can choose the order of the DAB station list to be either Alphanumeric, Ensemble or Valid.

Ensemble lists groups of stations that are broadcast together on the same ensemble, for example BBC or South Wales local Valid lists valid stations first, alphanumerically, then off-air stations..

To change station order, select Menu> **Station order** >then **Alphanumeric Ensemble or Valid**.

8. FM radio mode

FM radio mode receives analogue radio from the FM band and displays RDS (Radio Data System) information about the station and show (where broadcast).



To enter FM mode, either press **Mode** until the display shows FM Radio select **Menu > Main menu > FM**.

8.1 Selecting stations

To find a station, press **Select**. The frequency display starts to run up as this unit scans the FM band. Alternatively, you can scan up or down by tune manually with quick presses, or by turning the **Select** control.

Note: Scanning can be set to search for strong signals only, (see 8.3 Settings below).

Preset stations can be stored and recalled as described in Presets.

8.2 Now playing information

While an FM station is playing , the screen shows one of the two following sets data:

- If RDS information is available, by default the service name (i.e. station name) is displayed. You can cycle through further RDS information by pressing **Info**. Each time you press **Info** , another set of information is displayed, cycling through RDS radio text, RDS programme type , frequency and today's date.
- If no RDS information is available, the currently tuned frequency is shown.

8.3 Settings

Scan settings

By default, FM scans stop at any available station. This may result in a poor signal noise ratio (hiss) from weak stations. To change the scan settings to stop only at stations with good signal strength, select **Menu > Scan setting >Strong stations only> Yes.**

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). To play weak stations in mono, select **Menu > Audio setting >FM weak reception: Listen in mono only> Yes.**

9. Aux in mode

Aux in mode plays audio from an external source such as an MP3 player.

To play audio with Aux in mode,



1. Turn the volume low on both this unit and, if adjustable, the audio source device.
2. Connect the external audio source to the Aux In 3.5 mm stereo socket.
3. Either press **Mode** until the display shows AUX or select **Menu> Main menu > AUX in.**
4. Adjust the volume of this unit ,(and, if necessary, the audio source device) as required.

10. Alarms and Sleep

As well as a clock/calendar, there are two versatile wake up alarms with snooze facility, and a sleep function to turn the system off after set period. Each alarm can be set to start in a particular mode.

To set the clock/calendar, see Getting started/setup on page 3.



10.1 Alarms

To set or change an alarm, either press **Alarm** or select **Menu > .**

Select the alarm number (1 or 2) then configure the following parameters:



- **Enable** Off, Daily, Once, Weekends or Weekdays,
- **Time:** 12:00AM (adjust as necessary)
- **Date:** 01-01-2007 (adjust as necessary -this option is usually hidden and only required if "Once" is selected in the Enable field).
- **Mode:** Buzzer, Internet radio, DAB or FM .
- **Preset:** Last listened or 1-10.
- **Volume:** 0 ~32

To save these settings and set the alarm, scroll down and select **Save**.

Note: If you press **Back or Menu** to exit the Alarm settings without saving, a dialogue screen is displayed asking if you wish to save the changes or not. The Now Playing, screen shows active set alarms with an icon at the bottom left. The Standby screen shows active set alarms with an icon and the alarm time.

At the set time, the alarm will sound. To temporarily silence it, press **Snooze**.

Pressing Snooze repeatedly cycles through the available snooze periods:

5 Mins,10 Mins,15 Mins,30 Mins

The radio returns to standby for the set period, with the silenced alarm icon flashing and a countdown of the remaining snooze period After the set snooze time the alarm will sound again.

Note: During a snooze period, to change the snooze time press **Snooze** to select a new snooze time. Any remaining snooze time is reset to the selected time period.

To cancel a sounding alarm, or an alarm in snooze, press **Standby or Alarm**.

10.2 Sleep

To set the sleep timer, press the Sleep key repeatedly to cycle through the sleep time options:

Sleep OFF,15 MINS,30 MINS,45 MINS or 60 MINS.

Stop when the required time is displayed, after a brief moment the screen returns to the screen being used before the sleep function was selected.

On the Now Playing screens the remaining sleep time is displayed at the bottom of the screen.



Alternatively select **Menu>Main menu > Sleep** and select from the sleep time options. Once you select a sleep period, the system returns to the main menu. Press **Menu** to return to the Now playing screen.

To cancel a sleep time, select Sleep OFF from the sleep options using either of the above methods.

Note: A sleep time is automatically cancelled if this unit is put into Standby.

11 Troubleshooting and error messages

11.1 Error messages

Problem	Cause	Solutions
Failed to connect	Correct key entered, but router rejects request	MAC filtering enabled on router
Format error	Cannot recognise file format independent of network	Received .wma, but found that the stream wasn't WMA when trying to decode
Network error	Problem past router- incorrect data being received from network	Data obtained from server is unreadable.
Network not ready	Problem with connection to router	Router switched off
Network timeout	Problem past router no response being received from network	Streaming IR station and suddenly station becomes unavailable
No UPnP media found	No UPnP servers found	
Service not available (DAB)	No DAB reception	
Unauthorised	Access not granted by UPnP server	Allow access for RD1363DAB in UPnP server settings
Update failed	Software upgrade failed	

11.2 Troubleshooting

Problem	Cause	Solutions
FM: Hiss DAB: burbling/intermittent cut-out	Low signal strength	Check/move antenna Move radio Rescan local (high-strength) stations only For DAB, check local coverage at www.ukdigitalradio.com/coverage
DAB: "No stations available" message	Low signal strength	As above then rescan stations.
Cannot connect to network	Network down	Check that network is working between a computer and the router
	Router restricts access to listed MAC addresses	Obtain the RD1363DAB MAC address from Menu >System settings> Network >View settings and add to router list. <i>Note:RD1363DAB has separate MAC addresses for wired and wireless networks; only the current network adaptor method address is displayed, but the other address can be obtained by changing the first pair of digits between "00" (wireless) and "02" (wired)</i>
	Insufficient Wi-Fi signal strength	Check distance to router; see if a computer can connect to the network in this location
	Unknown encryption method	Change encryption method on router. RD1363DAB supports WEP, WPA and WPA2
	Unusual network configuration	Setup network manually through Menu>System settings> Network>Manual settings
	Firewall preventing access	Check the following ports are open on the router : UDP and TCP ports 80 and 123; DNS port 53. Windows shares: ports 135 –139 and 445. Windows Media Player: varies Non-Microsoft firewalls may require configuration for UPnP.

Problem	Cause	Solutions
Cannot connect to Internet	Internet connection down	Check that Internet is working for a computer connected to the same network
	Firewall preventing access	Check the following ports are open: UDP and TCP ports 80 and 123; DNS port 53. Some Internet radio stations may require additional ports to be opened.
Cannot play particular Internet radio station	Station not broadcasting, overloaded or insufficient bandwidth. Station broadcasting using unknown codec. Link out of date.	Try other stations; try listening on computer via Internet radio portal website; try later

Technical Data

- Input voltage ,current : 12V 1.5A
- Power consumption: max. 15W
- Radio Frequency range: FM 87.50MHz – 108.00MHz 50KHz/step
DAB Band III, 174.928MHz – 239.200MHz
- Store temperature:-10 ~ +60 °C
- Operating temperature: +5 ~ +40 °C

Glossary

DAB	Digital Audio Broadcasting
DLS	Dynamic Label Segment -short text information broadcast with DAB audio
FM	Frequency Modulation
RDS	Radio Data System
UI	User Interface
UPnP	Universal Plug and Play
WLAN	Wireless Local Area Network