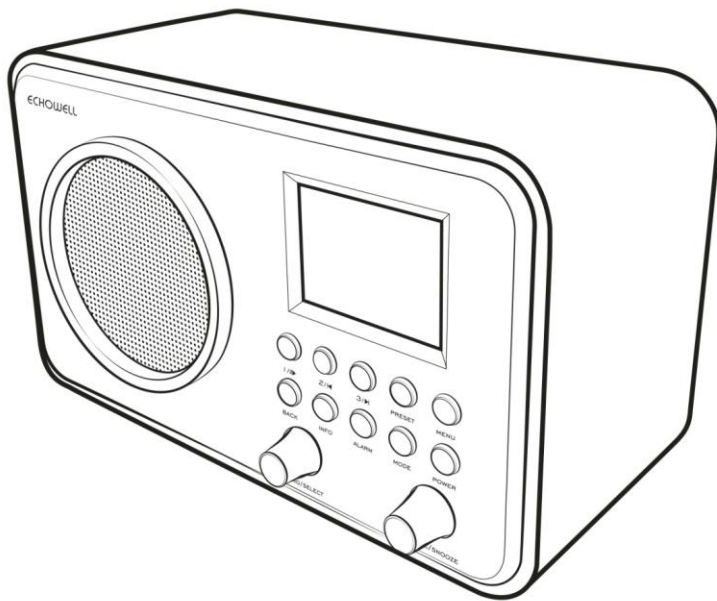


ECHOWELL[®]
audio

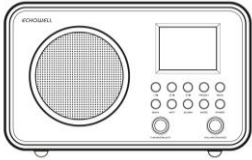

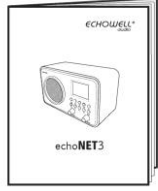


echo**NET3**
Internet radio

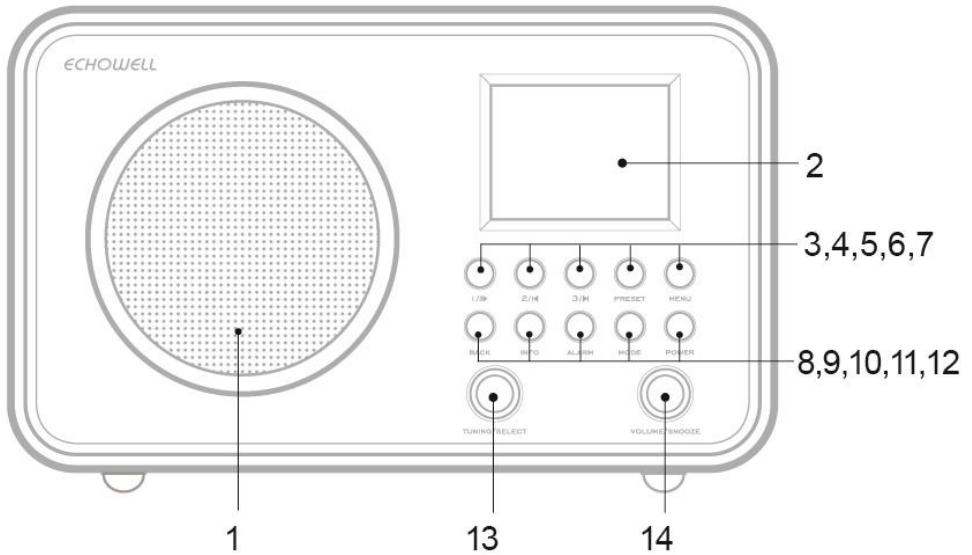
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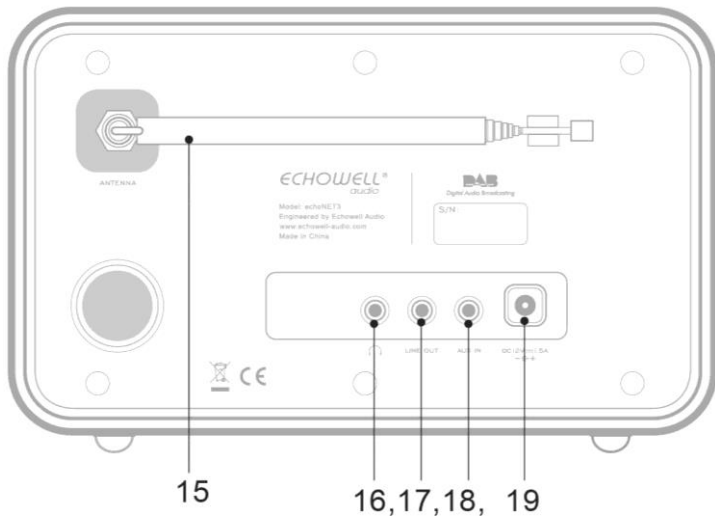
Main unit	Power adapter	User Manual
		

Front Panel



- | | |
|----------------------------|---------------------|
| 1. Speaker | 8. BACK |
| 2. Display | 9. INFO |
| 3. Preset 1 / Play / Pause | 10. ALARM |
| 4. Preset 2 / Back | 11. MODE |
| 5. Preset 3 / Forward | 12. POWER |
| 6. PRESET | 13 TUNING / SELECT |
| 7. MENU | 14. VOLUME / SNOOZE |

Rear Panel



- 15. Antenna
- 16. Headphone
- 17. LINE OUT
- 18. AUX IN
- 19. DC power supply (DC 12V/1.5A)

Control Buttons		Mode
3.		<p>Radio mode: Press and hold this button to store the radio station as preset 1 when the radio station is playing.</p> <p>In Bluetooth mode, you can press this button to enter Bluetooth Play/Pause.</p> <p>In Spotify connect, you can press this button to enter Spotify audio Play/Pause.</p>
4.		<p>Radio mode: Press and hold the button to store the station as preset 2 when the station is playing.</p> <p>In Bluetooth mode, press this button to enter the previous Bluetooth playback.</p> <p>In Spotify connect, you can press this button to enter previous track Playback.</p>
5.		<p>Radio mode: Press and hold this button to store the station as preset 3 when the station is playing.</p> <p>In Bluetooth mode, you can press this button to enter the previous Bluetooth playback.</p>

		In Spotify connect , you can press this button to enter next track Playback.
6.	PREST	Press for the Preset recall/Save menu
7.	MENU	Show menu for the current mode. Press again to show Now playing screen. Menu settings: In any mode, press this button to enter the system menu or other options, press this key again to return to the setting mode.
8.	BACK	Return to previous screen. In play mode, this button may be used to return the last track list or station list.
9.	INFO	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. Press this button to browse the queue information of the currently playing station when the station is playing.
10.	ALARM	Enters alarm wizard, turns off alarm (when alarm is sounding) and toggles between alarms in standby. Press this button to set the alarm clock; when the alarm clock sounds, press this key to turn off the alarm clock.
11.	MODE	Cycle through the modes: Internet Radio, Podcasts, Spotify, DAB, FM, Bluetooth Aux in
12.	POWER	Turn on or back to standby mode (showing clock). Cancels sleep Press this button to turn On/Off the power; when the alarm clock sounds, press this button to turn off the alarm clock.
13.	TUNING/ SELECT	a. Turn the dial to view options, press to confirm. b. Turn to scroll through a menu or station list. The chosen option is highlighted in reverse text (dark characters on a yellow background). Press to select.
14.	VOLUME/ SNOOZE	a. Turn the dial to adjust the volume, press the dial to mute. . b. When the alarm is activated, press the dial to snooze the alarm and enter to SNOOZE.

		c. Turn to adjust the volume up or down
--	--	---

1. Internet Radio mode

echoNET3 can play thousands of radio stations and podcasts from around the world through a broadband Internet connection.



When you select Internet radio mode, echoNET3 Radio contacts the Frontier Smart Technologies Internet radio portal to get a list of stations, organized into different categories like Country, and Popular. Once you select a station, echoNET3 connects directly to that station.

To enter Internet Radio mode, either press "MODE" then use the "TUNING/SELECT" rotary control to cycle through the listening modes until *Internet Radio* is displayed, then press "TUNING/SELECT", or select **Menu > Main menu > Internet Radio**.

- Note:**
- ① *The first time Internet Radio mode is selected (or no previous Internet Radio service has been selected), the user is taken directly to the Station list menu to find and select an Internet Radio service.*
 - ② *If the Internet Radio portal server is unavailable, defaults to the last listened Playable URL for Internet Radio station, or the URL stored in a preset if playing from a preset*
 - ③ *The Common local controls for sound volume, Mute, Play/Stop and Presets are available.*

1.1 Internet Radio menu

- Last listened
- Station list
- System settings
- Main menu

1.2 List Listened

Presents a list of (up to) the last ten Internet Radio stations that have been selected.

1.3 Station list

- Note:**
- ① *If no previous Internet Radio service has been selected, the Station list menu is automatically presented to find and select an Internet Radio service.*

② *The station list menu is provided from the Internet radio portal, so it is only accessible when echoNet3 is connected to the Internet. Station lists and submenus will change from time to time. The Station list is organized into various categories and search facilities:*

- **<Local area>** – dependent on radio device’s location, for example: UK
- **Search**
- **Location**
- **Popular**
- **Discover.**

1.3.1 <Local area> – dependent on radio device’s location, for example: UK

Presents a sub-menu for local area stations. The names and types of categories are dependent on local network information, for example a radio located in the UK would have a main title ‘UK’ and display, local stations, BBC stations, Genres and/or stations from a specific city.

Choose the required category and either a further list of sub-categories is shown, or (if there are no further sub-categories) the available stations for the chosen category are listed.

1.3.2 Search

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

To search, select **Menu > Search**.

Enter a keyword by selecting characters in turn, then **OK**. The search entry screens are similar in operation to the Wi-Fi passphrase entry screen.



Select a broadcast from the list.

1.3.3 Location

To select an Internet broadcast from a particular location, select **Menu > Location**.

Select a continent from the menu and a list of countries available is presented,



select a country and the available internet radio stations are presented.

Choose a radio station from the list to tune in.



1.3.4 Popular

Presents a list of the most popular internet stations from around the world.

1.3.5 Discover

Allows you to select from a list of stations defined by either their origin (Country), Genre (style of music) or language. Navigate through the category options, once you have made your selection a screen confirms your selected category and the number of stations within that category.

To see the list, select the option showing the number of available stations.

1.4 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:

- **Slogan (default; where available)**
- **Language/Location**
- **Codec and sampling rate**
- **Playback buffer**
- **Today's Data**

1.5 Presets

A Preset is a service setting which can be defined by the user and stored in the radio. A preset acts as a short-cut to a favorite station, playlist or track. Because presets are stored locally on the radio device they cannot be accessed from other radios. There are up to 40 presets stores each for, Internet radio/Podcasts (combined), DAB and FM modes. Up to 10 presets are available for Spotify.

To store the current audio source as a preset, press and hold "PRESET" button until the display shows the *Save preset* screen. Select one of the preset stores to save the currently playing audio source.

To select a preset, press "PRESET" button briefly, then select one of the listed preset stores audio sources. When a preset source is playing, its preset store number n (1, 2, etc.) is shown in the bottom of the screen.

Note: *Separate preset lists exist for each mode capable of setting presets.*

1.5.1 Embedded web page presets

Presets created (as above) using the local user interface can also be accessed via the echoNet3 radio embedded web pages.

The Preset Tab presents a list of station slots for the current listening mode.

For all modes, existing presets can be played from the embedded web pages. However, from the embedded web page only presets for Internet Radio and Podcasts mode can be saved and updated

1.5.2 Embedded web pages

Once echoNET3 is connected to your network a web page is available to view status information, log incident reports, manage presets and make limited changes via a web browser, run on a smart device or PC, connected to your network.

To connect to the web page enter the echoNET3 unit's IP address into your web browser. To view the IP address, on the echoNET3 MENU system, navigate to: MENU > System Settings > Network > View Settings - IP address

1.5.2.1 Network tab

From the Network tab, those parameters that can be changed are: Friendly name.

1.5.2.2 Preset tab

For all modes, existing presets, including those created via the local user interface, are available and can be played from the embedded webpages. Presets for Internet Radio and Podcasts mode can be saved and updated on the embedded web page and are also available from the local user interface.

Note: *When storing presets for Internet Radio/Podcasts using the embedded web-page it is possible to store a preset with an empty name - alth*

ough the play button is not available on the Embedded web-page the blank preset can still be selected from the local User Interface. Internet Radio/podcast preset names should only use alphanumeric characters and not include any special characters (!" £\$% ^&*()_ +...etc.).

Note: The presets displayed on the embedded web page are those for the current mode being used on the VeniceX device. Separate preset lists exist for each mode capable of setting presets.

The examples below show preset lists for the Internet radio and DAB modes:

Preset	Name	Action
1	BBC Radio 6 Music	Play Edit
2	BBC Radio 4	Play Edit
3		Edit
4		Edit
5		Edit
6		Edit
7		Edit
8		Edit
9		Edit
10		Edit

A typical Edit dialogue window appears like this:

Edit Preset 2

Name:

URL:

FRONTIER SMART TECHNOLOGIES Language: English

Status Network Update Presets Report

DAB mode

Preset	Name	Action
1	BBC Radio 2	Play
2		
3		
4		
5		
6		
7		
8		
9		
10		

1.5.3 Report tab

This tab allows users to store and view incident reports. The reports are generated by pressing the RFU button on the Venice X device or alternatively using the Create button on the Report tab. Reports contain the following information:

- System information (SW version, platform details...etc.)
- System log
- System Graphs (Audio, CPU, Memory, Network)
- Ask Information.

Up to two incident reports can be stored in RAM. When the maximum number of reports is stored any new reports generated replace the oldest stored report.

Reports are available across power cycles provided the restart time interval is short enough and they are still held in RAM.

FRONTIER SMART TECHNOLOGIES Language: English

Status Network Update Presets Report

New Report
Create

Existing Reports

Creation date	UUID	Action
9/3/2020, 12:14:16 PM	74e2846-51e8-4f8d-8e69-55444fe4f87	Delete

2. Podcasts Mode

echoNET3 radio can play thousands of podcasts from around the world through a broadband Internet connection.

When you select Podcast mode, echoNET3 radio contacts the Frontier Smart Technologies Podcast portal to get a list of available podcasts.

Once you select a podcast, echoNET3 radio connects directly to that podcast source.

To enter Podcast mode, either press "MODE" to cycle through the listening modes until Podcasts is displayed, or select " **Menu > Main menu > Podcasts**".

***Note:** The first time Podcast mode is selected (or no previous Podcast service has been selected), the user is taken directly to the Podcast list menu to find and select an Podcast service.*

***Note:** If the Podcast portal server is unavailable, defaults to the last listened Playable URL for Podcasts, or the URL stored in a preset if playing from a preset.*

The Common local controls for sound volume, Mute, Play/Pause and Presets are available.



2.1 Podcasts menu

- Last listened
- Podcast list
- System settings
- Main menu



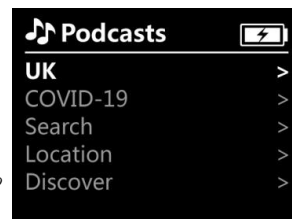
2.2 Last Listened

Presents a list of (up to) the last ten Podcasts that have been selected.

2.3 Podcast list

***Note:** If no previous Podcast service has been selected, the Podcast list is automatically presented to find and select an Podcast service.*

***Note:** The podcast list is provided from the Podcast portal, so it is only accessible when echoNET3 radio is connected to the Internet. Po*



odcast lists and submenus may change from time to time.

The Podcast list is organized into search categories:

- **<Local area>** – dependent on radio device’ s location, for example:
UK
- **Search**
- **Location**
- **Discover.**

2.3.1 <Local area> – dependent on radio device’ s location, for example: UK

Presents a sub-menu for local area podcasts.

The names and types of categories are dependent on local network information,

for example a radio located in the UK would

have a main title ‘UK’ and present a sub-menu to search for podcasts using a variety of

categories, for example, Comedy of the week, Books and Authors, Popular... etc.

Choose the required category and either a further list of sub categories is shown, or (if there are no further sub-categories) the available podcasts for the chosen category are listed.



2.3.2 Search

You can also search through podcasts with particular keywords in their title.

To search, select Menu> Podcast List > Search.

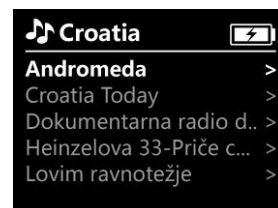
Enter a keyword by selecting characters in turn, then OK.

The search entry screens are similar in operation to the Wi-Fi passphrase entry screen. Select a broadcast from the list.



2.3.3 Location

To select a podcast from a particular location, select **Menu > Podcast list > Location**



on >.

Select a continent from the menu and a list of countries available is presented, select a country and the available podcasts are presented.

Choose a podcast from the list to tune to that podcast.

2.3.4 Discover

Allows you to select from a list of podcasts defined by either their origin (Country), Genre (style of music) or language. Navigate through the category options, once you have made your selection; a screen confirms your selected category and the number of podcasts within that category. To see the list, select the options showing the number of available podcasts



3. Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify. Go to [spotify.com/connect](https://www.spotify.com/connect) to learn how.

The Spotify Software is subject to third party licenses found here: <https://www.spotify.com/connect/third-party-licenses>

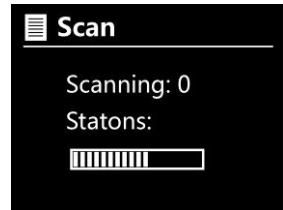
4. DAB/DAB+ Mode

4.1 Power On

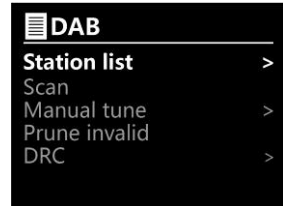
- 4.1.1 Extend the antenna on the back panel, and press the "POWER" button to turn on the radio.



- 4.1.2 When using for the first time, the radio will automatically perform a complete frequency scan and store the detected stations into memory.



- 4.1.3 If DAB does not find any radio station, it will automatically enter the system menu.

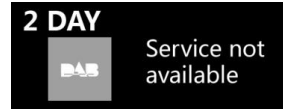


- 4.1.4 After the frequency scan is completed, the DAB/ DAB+ stations will be displayed in alphabetical order and the radio will access the first station in the list.



Note: If you can't find any DAB/DAB+ signal in your location, the display will show "No Station Found", please try to move the radio to search. If there is no DAB station in the local area, please ignore this function

4.1.5 Once frequency scanning is completed, the DAB/DAB+ stations will be displayed in alphanumeric order, and the radio will access the first station in the list.



4.2 Switch to other DAB/DAB+ station

During the playing of the program, press the "TUNING/SELECT" dial, the display screen will appear "Station list", you can switch between the available stations, or press "TUNING/SELECT" dial button to confirm the station, and then the radio will connect to the selected radio station.

Note: If <Station name and Service not available> appears on the display, it means that there is no signal for the DAB/DAB+ station in your location, please try to update the station list

Note: To execute this command, it is strongly recommended that you place your radio in a location with a strong signal.

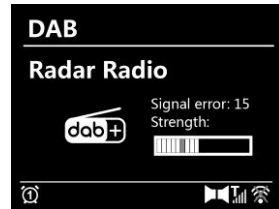
4.3 View Station Information

When listening to DAB/DAB+ or FM programs, press the "INFO" button repeatedly to view the station information from the display.

4.4 Signal Strength Display

When playing DAB/DAB+ programs, press and hold the "INFO" button until a signal bar appears on the LCD screen showing the signal strength of the current station.

Note: Stations with signal strengths below the minimum signal strength may not provide a stable audio stream.



4.5 Scan (Automatic station search)

It can automatically search the list of all nearby stations.

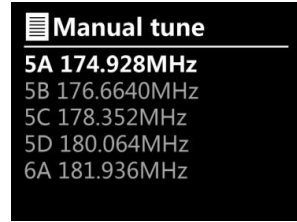
4.5.1 Press the corresponding button or dial "MENU → turn "TUNING/SELECT" → SCAN → "TUNING/SELECT" to enter this option.

4.5.2 After confirming the desired option by pressing "TUNING/SELECT", it will automatically enter the station.

4.6 Manual Tune (Manual Search)

Stations can be selected manually.

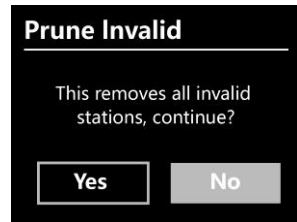
- 4.6.1 Press the corresponding button or the dial "MENU → turn TUNING/SELECT → Manual Tune to enter Manual Tune option.
- 4.6.2 Press "TUNING/SELECT" to confirm the desired option, and it will automatically enter the station.



4.7 How to Prune (Delete a Station)

Note: Want to delete all unused stations? It's easy!

- 4.7.1 Press the button or the knob "MENU → TUNING/SELECT → Prune Invalid" to enter this option.
- 4.7.2 After pressing "TUNING/SELECT" to confirm the desired option (Yes/No), it will automatically jump back to the previous menu option.



4.8 DRC (Dynamic Range Control) value

The level of compression for stations can be set to eliminate differences in dynamic range or volume differences among stations.

Note: Setting DRC to off means no compression, setting DRC to low means lower compression level, setting DRC to high means highest compression level.

- 4.8.1 Press the button or turn the dial: "MENU → TUNING/SELECT → DRC" to enter this option.
- 4.8.2 After pressing "TUNING/SELECT" to confirm the desired option (DRC High /DRC Low /DRC Off), it will automatically jump back to the previous menu option



4.9 Presets

DAB presets can be stored and updated, via the local user interface and can be played via the local user interface or Embedded web pages. For details see section 1.5 Presets.

5. FM Mode

5.1 Tuning in FM Mode

- 5.1.1 Turn on the power, press the button "MODE → FM", it will automatically enter this mode.
- 5.1.2 When using for the first time, the radio will start from FM 87.50MHz, press the knob "TUNING/SELECT" to automatically search for the next or previous station.
- 5.1.3 Turn the "TUNING/SELECT" dial to manually adjust the FM frequency, each step is 0.05MHz.

5.2 Scan Settings

By default, FM scanning will stop once a station is found. If the station found has a poor signal, it may cause a poor signal-to-noise ratio (hiss)

To change the scan settings to only stop at stations with strong signals, follow these 2 steps:

- 5.2.1 In FM mode, press "MENU → turn TUNING/SELECT" to the "Scan Setting" option, and press the "TUNING/SELECT" button.
- 5.2.2 After entering this option, turn "TUNING/SELECT" to the "Strong stations only" option, then press the "TUNING/SELECT" button to confirm.

5.3 Audio Settings

By default, all stereophonic stations should have stereophonic effects. If the station signal is weak, it may cause a poor signal-to-noise ratio (hissing).

If you want to play a weak station in mono, follow these 2 steps:

- 5.3.1 Press "MENU", the screen will display: "Audio Setting", press the "TUNING/SELECTING" key.
- 5.3.2 After entering this option, press "TUNING/SELECTING" to "Forced mono" option, then press "TUNING/SELECT" key to confirm.

5.4 Radio Preset Settings (DAB/DAB+ and FM modes)

Note: The setting method of "Radio station preset" and "Preset Recall" is applicable to DAB/DAB+ and FM mode.

- 5.4.1** When playing your favorite radio station, press and hold the preset button "1" to store it as preset 1. When the user is playing other radio frequencies, press the preset button 1 to automatically recall preset 1 radio station.

According to the same operation as above, press and hold other PRESET keys "1-10" to store in preset keys 1-10 or 1-40.

- 5.4.2** The number of Presets for DAB/DAB+ and FM is 10 each. The number of Internet Radio Presets is 40.

5.5 Recalling Preset Settings (DAB/DAB+ and FM modes)

To select a stored station:

Press the PRESET button, then press the number keys "1" to "3" to call the preset stations "1" to "3";

The user can also press the PRESET button, then turn the "TUNING/SELECT" button to select 1-10 DAB/DAB+/FM stations or 1-40 Internet Radio stations.

5.6 Presets /Recall

In each of, Spotify, DAB and FM modes, up to 10 preset stations be stored and recalled.

Or details see section 1.5 Presets.

- Presets are stored in the radio and cannot be accessed from other radios.
- To store the current audio source as a preset, press and hold "PRESET" button until the display shows the preset stored. Select one of the 10 presets to save the currently playing audio source.

To select a stored station:

- Press directly "PRESET" button on the front panel, and then short press numeric keys "1" to "3" to call the preset radio stations "1" to "3";

Users can also press the "PRESET" button on the front panel, then rotate the "TUNING/SELECT" Knob select 1-10 DAB/DAB+/FM stations, then press "TUNING/SELECT" Knob to confirm.

6. Bluetooth Mode

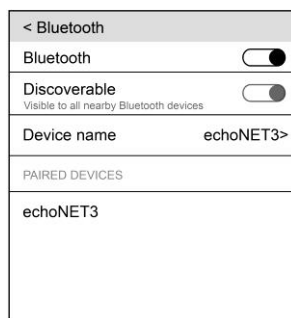
To enter Bluetooth mode, either select MENU > **Main MENU** > **Bluetooth** or press Mode Key on the Front Panel, then turn the Select rotary control clockwise or anticlockwise to scroll left or right through the mode list until *Bluetooth Audio* is highlighted and press Select .

6.1 Bluetooth Connection Settings

6.1.1 When customer want to disconnect Outside is connected Bluetooth devices, customer can press the “MENU” button on the front panel, Select “ Setup Bluetooth ” option, and press the “TUNING/SELECT” dial, If you are not connected to Bluetooth for the first time, the Bluetooth Logo will flicker in the Bluetooth discoverable character, Bluetooth icon in the bottom right corner on the screen of the flashing indicate the state of Bluetooth pairing status.



6.1.2 (Bluetooth settings on general mobile phone) In the MENU, find “Settings” button, click “Settings” → turn on “ Bluetooth ” → find “ Available Device ” → press “ Available Device (device name: echoNET3 radio)” (Other players with Bluetooth systems) Please refer to the instructions for Bluetooth pairing of the player.



7. AUX IN Mode

Note: *The AUX IN jack can be quickly and easily connected to an MP3 player or other external audio sources.*

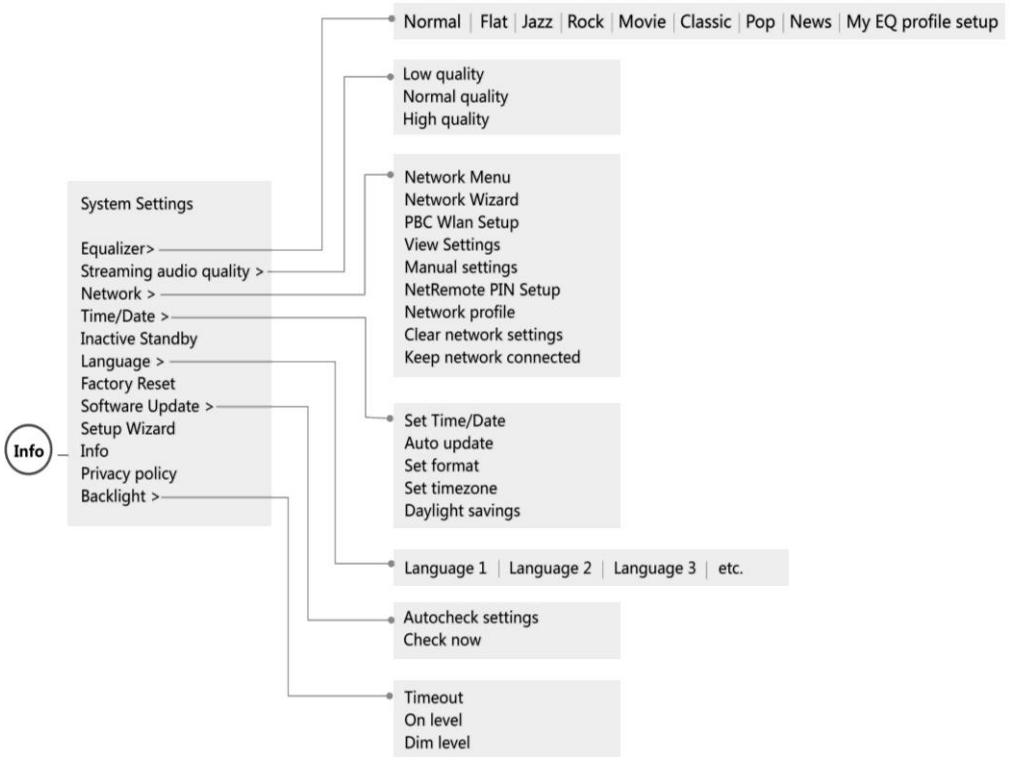
- 7.1 Turn on the power, press "MODE→Auxiliary Input", it will automatically enter this mode.
- 7.2 After using the 3.5mm audio cable, your radio will output audio through its high-quality speakers.
- 7.3 Connect one end of the audio cable to the headphone (or auxiliary output) jack of the audio source device, and connect the other end to the AUX IN jack on the back of the radio.
- 7.4 Get the best volume, it is recommended that you adjust the output volume on both the radio and the source device.

8. System Settings

8.1 How to Enter System Settings

- 8.1.1 In any mode of Internet Radio, DAB, FM, Bluetooth or Auxiliary Input, press the button of MENU→Turn the TUNING/SELECT dial to select the System setting option, and press the TUNING/SELECT dial to confirm.
- 8.1.2 Turn the TUNING/SELECT dial to switch among the system setting menu options: "Equalizer →Streaming audio quality →Network →Time/Date →Inactive Standby→Language→Factory reset→software update→setup wizard→ Info →Backlight.

8.2 System Menu Settings



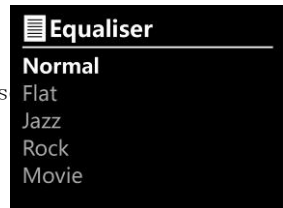
8.3 Equalizer

8.3.1 Equalizer Setting

Note: Selecting an appropriate equalizer can help improve the sound quality of music played:

8.3.1.1 In any mode, press “MENU → System settings → Equalizer” .

8.3.1.2 Press “TUNING/SELECT” to select the desired option (Normal/Flat/Jazz/Rock/Movie/Classic/Pop/News/MyEQ/My EQ profile Setup)
Press the “TUNING/SELECT” dial to confirm, and the equalizer setting is completed.



8.3.1.3 Press the "TUNING/SELECT" dial to confirm, and the equalizer setting is completed.

8.3.2 Set Up My Equalizer

Note: My equalizer is a user-defined setting for adjusting bass and treble:

8.3.2.1 In any mode, press "MENU → System settings → Equalizer → My EQ profile Setup".

8.3.2.2 Press "TUNNING/SELET" to select the desired option (Treble / Bass)", then press the "TUNNING/SELET" button to confirm.

⊙Treble: +14 to -14. ⊙Bass: +14 to -14.

8.4 Streaming audio quality

Low quality

- Normal quality
- High quality.

Select the required level of audio quality for the available streaming services. The actual bit rate for each level depends on the service being used. The currently set quality level is indicated with an asterisk. **default set as High quality**

8.5 Network

- Network wizard
- WPS setup
- View settings
- Manual settings
- NetRemote PIN setup
- Network profile
- Clear network settings
- Keep network connected

echoNET3 radio is compatible with all common network protocols and encryption methods, including Wi-Fi Protected Setup (WPS).

To connect echoNET3 radio to your network, you need one of the following:

- A Wi-Fi wireless router, together with passphrase key, if setTo select a network use either the Network wizard or Manual settings

8.5.1 Network wizard

When the Network wizard is chosen echoNET3 Radio 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 Wi-Fi Protected Setup (WPS) options.

8.5.2 Wi-Fi network (SSID), select a network from the list.

8.5.3 If the network is open (non-encrypted), echoNET3 radio connects and no further details are required;

8.5.4 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.

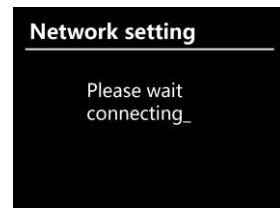
8.5.5 To enter the network's key (password), use the Select control to move the cursor through the characters and select. As each character is selected, the key is built up near the top of the display.



There are three options accessible by turning Select back before the first characters (0123...) - Backspace, OK and Cancel.

8.5.6 WPS encrypted network

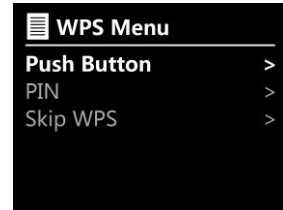
WPS encrypted networks are identified by '[WPS]' at the start of the network name, and have three methods of connection. Select one and follow the prompts:



8.5.7 On completion

echoNET3 radio connects to the selected network.

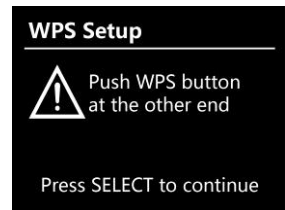
If connecting fails, echoNET3 radio returns to a previous screen to try again. To exit the process use the Back/MENU button.



- Pin > (code number) echoNET3 radio generates an 8-digit code number which you enter into the wireless router, access point.
- Skip WPS > Enter key as for a standard encrypted network, above View settings

Displays the details of the setting for the current network setup, including:

- Active connections
- MAC Address
- DHCP
- SSID
- IP Address
- Subnet mask
- Gateway address
- Primary DNS
- Secondary DNS 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/disable
- SSIP
- Authentication
- Encryption type
- Passphrase/key.

8.5.8 Net Remote PIN setup

Allows you to define a PIN number to be entered before being able to connect to EchoNET3 radio remotely over a network.

8.5.9 Network profile

This displays a list of the networks remembered by EchoNET3 (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

8.5.10 Clear network settings

This option will clear current network settings, to allow you to join in an alternative network more easily.

8.5.11 Keep network connected

This option allows you to define whether echoNET3 remains emains connected to its network in Standby mode and when not in Network radio mode. This is necessary for remote operation and audio streaming in Music Player mode

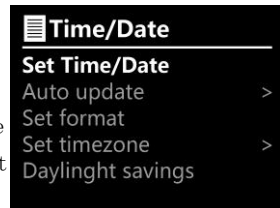
Note : This option is forced to 'Yes' to keep the network connected if connection is configured using the UNDOK app.

8.6 Set Time And Date

8.6.1. In any mode, press "MENU → System settings → Time/Date" .

8.6.2. Press "TUNING/SELECT→ Set Time/Date", press "select" button to enter manual clock setting:

- Set time/date: manual setting (day/month/year/hour/minute)
- Automatic update: "Update from any source", "Update from Digital radio", or "Update from FM" or "Internet", or not update.
- Set the time format: "12 Hour", "24 Hour"
- Set date format: "DD-MM-YYYY", "MM-DD-YYYY"



8.7 Inactive Standby

The radio is set default to turn off automatically after 120 minutes without any manual operation of the radio. To deactivate Inactive standby or to change the Timeout period:

- 8.7.1. In any mode, press “MENU → System settings → Inactive Standby” on the front panel.

Rotate “TUNING/SELECT” knob to choose your preferred setting (Off/2/4/5/6 Hours) and press the “TUNING/SELECT” to confirm.

- 8.7.2. In any mode, press the “TUNING/SELECT” button → System settings → Inactive Standby

Access Inactive standby settings by pressing the Tuning/select button/knob when <Inactive standby> is shown in the display. Turn the Tuning/select button/knob until you reach your desired setting. Press the Tuning/select button/knob to confirm your choice.

(Default value: Off).

8.8 Language Settings

- 8.8.1. In any mode, press “MENU → System settings → Language”

- 8.8.2. Turn “TUNING/SELECT” dial to select the desired language. (English / Czech / Danish / Dutch / Finnish / French / German / Italian / Norwegian / Polish / Portuguese / Slovak / Spanish / Swedish / Turkish)

- 8.8.3. Press “TUNE/SELECT” dial to confirm.

- 8.8.4. The default language is English

8.9 Restore to Factory Settings

Note: Performing this setup will delete all preset stations, alarm and time settings and return the radio to its original factory settings.

In any mode, press the key "MENU → System settings → Factory Reset", and a question will pop up to confirm whether to restore the factory settings (No/Yes), press the "TUNING/SELECT" key to confirm.

8.10 UNDOK Wireless Device Remote Control

The UNDOK Wireless Device Remote Control is an application for IOS and Andr

oid devices that allows users to control echoNET3 radios from these devices. Using the Wireless Device Remote Control application, you can navigate between the radio's music modes and browse and play content remotely.

Note: For brevity, "Phone" is used to mean iPhone, iPod touch, iPad and Android" in this Manual.

8.11 Obtaining and installing the UNDOK Wireless Device Remote Control application

To install the UNDOK Wireless Device Remote Control application on the Phone:

8.11.1 In the Phone's main menu, open the App Store/Play store by clicking the App Store icon:

8.11.2 In the App/Play Store, search for **UNDOK**

8.11.3 Select **UNDOK - wireless device remote control**.

8.11.4 Tap the entry **UNDOK - Wireless Device Remote Control**.

The application details screen opens

8.11.5 Tap Install.

The UNDOK Wireless Device Remote Control application is downloaded and installed onto your Phone

8.12 Setting up the connection to the echoNET3

After you download and install the UNDOK Wireless application

you must set up a connection between the Phone and the echoNET3 Radio. Follow these steps:

8.12.1 On the echoNET3 Radio, press to MENU → System settings → **Network** → **Keep network connected**, and select **YES**.

The network connection now stays on when the device is in standby mode. This setting is retained in the device's memory after it is switched off and on again.

8.12.2 Set the Phone to use the same network access point as the echoNET3 Radio as follows:

a. Select **Settings > Wlan**.

b. Choose the network of the echoNET3 Radio from the list.

9 Software Update

From time to time, echoNET3 may make software upgrades available with bug fixes and/or additional features. You can either check manually, or set echoNET3 to check periodically automatically (this is the default). If echoNET3 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 echoNET3 is plugged into a stable mains power connection. Disconnecting power during a software update may permanently damage the unit.

Note: To turn automatic checking on or off, select MENU > System settings > Software update > Auto-check setting

9.1 Setup Wizard

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

- 9.1.1 Date/Time - Set format
- 9.1.2 Auto update - select clock update source or No Update.
- 9.1.3 Set Time/Date (this step is only needed if the 'No Update' option is selected in Auto update)
- 9.1.4 Network wizard automatically runs once you are connected to a network the wizard is completed.

9.2 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)

9.3 Backlight

- The echoNET3 backlight 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, HIGH, Low, plus an Auto setting are available.

9.4 Sleep

To set the sleep timer, select MENU > Main MENU > Sleep then choose from Sleep OFF, 15 MINS, 30 MINS, 45 MINS or 60 MINS.

- Once you select a sleep period, the system returns to the main MENU. Press MENU to return to the *Now playing* screen. The radio will automatically enter standby mode once the set time is reached.
- To continue listening to the program, press “POWER” button on the front panel.

9.5 Alarms

Note: When setting the alarm, please make sure the clock time is set in advance.

To set or change an alarm, either press Alarm or select “MENU > Main MENU > Alarms.”

- 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: 01-01-2020 (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

9.5.1 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.

9.5.2 The Now Playing screen shows active set alarms with an icon at the bottom left.

9.5.3 The Standby screen shows active set alarms with an icon and the alarm time.

9.5.4 Turn off the alarm press “ALARM” button on the front panel control to turn off the alarm or press and hold volume/snooze Knob.

9.6 Snooze

When the alarm is ringing, press the “VOLUME/SNOOZE” knob to postpone the alarm for 5/10 minutes, or repeatedly press this knob for a longer snooze.

Note: *In general, power suppliers should not be plugged in at night or when you are not home. All Echowell Audio products are CE approved and certified.*

10. Specifications

Items	Specifications
Function description	Internet Radio / Podcasts / Spotify / DAB / DAB+ / FM / Bluetooth / AUX in / Alarm / Sleep / Clock/ UNDOK Wireless Remote
Amplifier Rated Output Power	7W RMS@1%THD
speaker	3" MONO Full Range Driver, 4 ohms
Frequency Range	FM: 87.5-108MHz DAB/DAB+: 174.928-239.200MHz
LCD Display	2.4 inch TFT LCD color display
Power Supply	External switching power supply, DC output: 12VDC, 1.5A AC input: 100-240VAC, 50-60Hz
Physical Dimensions	210x132x102mm



This symbol on the product or in the instructions for use indicates that when your electrical or electronic equipment has reached the end of its useful life, it should be disposed of separately from household waste. The European Union has an independent recycling system.

For more information, please consult your local authorities or the retailer where you purchased the product.

Guarantee

- If the product fails, please contact your supplier.
- Remember that many outlets will require that you have a valid proof of purchase.
- This product has 3 years' warranty only under normal usage against defects in workmanship and material.

