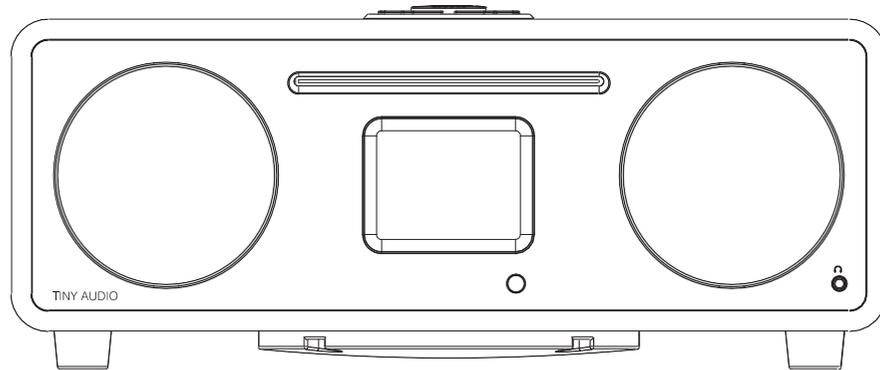


# TINY AUDIO WIDE

Wireless Streaming Music System  
CD/WiFi/DLNA/Spotify/Internet Radio/  
DAB/DAB+/FM/AUX/Bluetooth



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## 1 Safety

### 1.1 Safety Instructions

Please store this instruction manual for future reference.

- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
- **WARNING:** The direct plug in adapter is used as disconnect device, the disconnect device shall remain readily operable.



- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock
- **Warning:** To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.



Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- WARNING: The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Do not use this product near water or moisture.
- Clean only with a dry cloth.
- Unplug this product from the wall outlet before cleaning.
- Place the unit on a solid surface.
- Do not put it in a closed bookcase or a cabinet that may keep air from flowing through its ventilation openings.
- Do not install near any heat sources, such as radiators, heat registers, stoves or other appliances that produce heat.

- Protect the power cord from being walked on or pinched, particularly at plugs and the point where they exit from the product.
- Servicing is required when the product has been damaged. Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please contact the manufacturer to be referred to an authorized service center near you.
- To prevent risk of fire or electric shock, avoid over loading wall outlets, extension cords, or integral convenience receptacles.
- Do not let objects or liquids enter the product.
- Use proper power sources. Plug the product into a proper power source, as described in the operating instructions or as marked on the product.
- Changing sources while a CD is playing causes the CD to stop playback. Playback will resume when the source is set to CD again.
- The sound quality of MP3, CD-R/CD-RW, and even commercially recorded discs can vary greatly. The same holds true for the sound quality of portable MP3 players.
- Do NOT use any CD lens cleaning discs since these are not designed for slot-load machines.
- Avoid bending the disc when loading or ejecting.
- Do not move the unit while a disc is playing and do not ship the unit with a CD inside.

- Do not try to insert a disc in the slot if one is already inside the unit.
- Do not insert specially shaped discs or 3" CD single discs.
- You may experience a delay in playback when inserting MP3 or WMA discs while the player reads the directory.
- Paper labels stuck to CD-R/CD-RWs may become loose and possibly damage the player.
- CD with severe scratches may not play properly.
- Do not insert anything except a CD inside the loading slot.
- In the rare event you experience an error, unplug the power cord for 60 seconds and then plug it back in firmly.

## 1.2 Features

This manual describes how to use the TINY AUDIO WIDE, an advanced but easy-to-use Wi-Fi connected audio system with the following modes:

- **Internet radio** with access to over 20,000 stations, "Listen again" broadcasts and podcasts.
- **Music player** allowing easy navigation and playback through a network-stored library of music files including AAC+,MP3,WMA,WAV,FLAC.
- **DAB/DAB+** digital radio with a wide choice of channels and digital quality sound broadcast free-to-air.
- **FM with RDS** (Radio Data System)
- **Aux in** for external music sources such as MP3 players

- **Bluetooth** technology to stream the music from your any smart device.
- **Spotify connect** playback and control via Spotify app.
- **CD playback:** playback formats : audio CD, MP3 CD, WMA CD, CD-R and CD-RW)

## TINY AUDIO WIDE also provides the following features:

- Large TFT color display for easy control and clear information display.
- Clock with auto-update capability and dual independent alarms
- Sleep / Snooze
- UPnP Music player modes
- Multiple network profiles for easy setup and portability
- Multiple operating languages

## 1.3 Carton contents

After you unpack the box, you will find the following items

- 1 TINY AUDIO WIDE unit
- 1 power cord
- 1 Telescopic antenna
- 1 User manual
- 1 Remote Control.

## 1.4 External resources

To operate TINY AUDIO WIDE, the following external resources are needed:

- A power source (100-240 V mains supply)
- A wireless (Wi-Fi) network (provided through a router) with appropriate permissions and password if necessary (for Internet radio and Network Music player modes)
- Broadband Internet access (for Internet radio mode and Internet Software Update)
- A music library stored on the network.
- An external audio source (for Aux in mode)

### 1.5 Conventions used in this manual

Button (press) Physical button on the keypad

Option (select) Menu option shown on the display

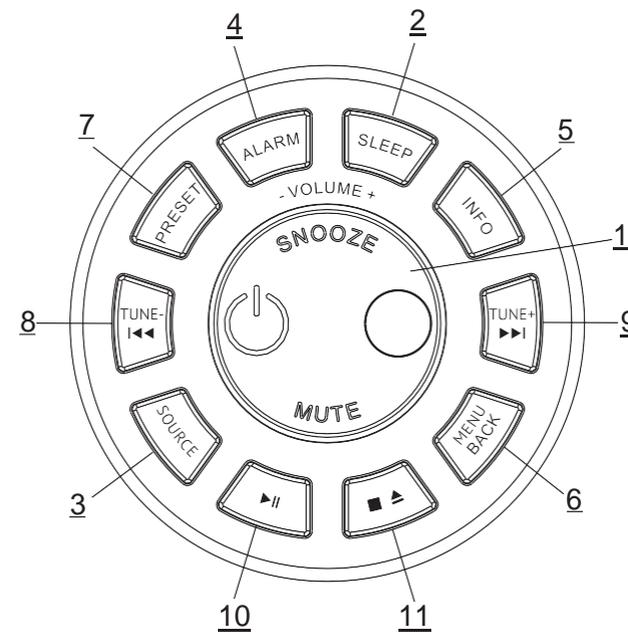
Name Menu, screen or other name

## 2. Controls, connectors and display

### 2.1 Main controls

1. **SELECT/VOLUME/MUTE/SNOOZE/POWER**: Turn to scroll through a menu or station list.

The chosen option is highlighted in reverse text (dark characters on a white background), Press to the button to select. Turn to the button to adjust the volume up or down when playback. Press to the



button to mute the music when playing. Press the button to snooze a set time when alarm sounding. Long press this button to power off the unit.

2. **SLEEP**: When playing, press SLEEP, TINY AUDIO WIDE will back to standby after a set time.

3. **SOURCE**: Press to select different modes Internet Radio, Spotify connect, Music player, DAB, FM, Aux, Bluetooth, CD.

4. **ALARM**: Press to Alarm, the screen will display Alarm 1 and Alarm 2; then Rotate and press the SELECT button to select alarm 1 or alarm 2 to set up.

5. **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.
6. **MENU/BACK**: **MENU**: Show menu for the current mode. Press again to show Now playing screen. **BACK**: Return to previous screen. In play mode, this button may be used to return to the last track list or station list;
7. **PRESET**: Press preset to save the favorite station (save 20 favorite stations) ; Press to select the favorite station or preset recall.
8. **TUNE-**  **Previous**: Press to select the previous track under the Music Player mode, Bluetooth mode or CD mode. **TUNE-**: Press to select the previous station under FM/DAB mode ; Press to hold the **TUNE-** button 2 seconds to auto-scan the stations under the FM/DAB mode.
9. **TUNE+**  **Next**: Press to select the next track in Music Player mode, Bluetooth mode or CD mode; **TUNE+**: Press to select the next station under FM/DAB mode ; Press to hold the **TUNE+** button 2 seconds to auto-scan the stations under the FM/DAB mode.
10.  Press to select Play/Pause in different mode.
11.  In CD mode, Press once to stop CD track. Press twice for CD ejection. Press triple times for CD loading.

## 2.2 Spotify Connect Control and play back

**Connect your TINY AUDIO WIDE and Spotify control device to your home Wi-Fi**

All devices need to be on the same Wi-Fi.

### **Get the Spotify app/Premium free trial**

Download the Spotify app for your mobile or tablet from your app store, and take the Premium free trial.

Log in to Spotify and start playing a track.

### **Play millions of songs on your TINY AUDIO WIDE.**

To start with, your mobile/tablet and TINY AUDIO WIDE need to be on the same Wi-Fi. Tap on the Now Playing bar to reveal extra controls, and select the Speaker icon. On the Connect screen Just choose your TINY AUDIO WIDE and it'll start playing. Adjust the volume at the volume bar below on the Connect screen.

### **Control of play back directly on TINY AUDIO WIDE**

Besides being able to control the volume, you can also pause/play and skip tracks directly in TINY AUDIO WIDE. Use the preset buttons on the top of TINY AUDIO WIDE.

Notice: When you stop Play back on your Spotify device, TINY AUDIO WIDE will show "no media" in the display. To get back to Internet Radio, DAB, FM, Music Player, Aux or CD, you need to press the MODE button on the TINY AUDIO WIDE.

### **Spotify Connect**

With Spotify you get millions of songs easily accessible. The artists you like, the latest hit songs and new discoveries, just for you.

With Spotify Connect feature lets you play and control all your music wirelessly. Select music on your smartphone or tablet and hear on the radio.

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

Listen Nobody is seamless – you can call, play games, watch movies , and even turn off the phone , without interfering music.

There is a better way to hear music at home.

For availability in your region, see [www.spotify.com](http://www.spotify.com)

You must have a Spotify Premium account to get full access to millions of songs from Spotify archive, all with adequate sound quality.

If you do not have it, you can go to [www.spotify.com/freetrial](http://www.spotify.com/freetrial) for a 30 – day trial.

### To use Spotify Connect

1. Fire up the Spotify app on your phone, tablet or PC.
2. Add your speakers to the same wifi network (see product user instructions for details).
3. Play a song on Spotify and hit 'DEVICES AVAILABLE'.
4. Choose your speakers and your music will start playing out loud.
5. Press TINY AUDIO WIDE to select your radio and it will start playing from your TINY AUDIO WIDE.

Note that radio is that " TINY AUDIO WIDE xxxxxxxxxxxx " ( 12–digit number is the MAC address of the radio ) in Spotify app. To change this name to something more personal (eg Johns IR) , you can do following :

- a. On the radio: Press MENU and select Main menu> System settings> Network > View settings . Scroll down and notes " IP address " .
- b . On the computer: Make sure your computer is on the same network as the radio, and then enter the IP address into your browser (for example 192. 168. 0. 34 ) . This enables you to see some of the radio diagnostics, and you can also change the name .

Connect icon turns green to indicate that the radio is now selected and used play audio .

Spotify app will only recognize radio when it is connected to the internet (for example, Internet radio, Spotify or Connect music player modes).

To use Spotify when the radio is in modes that have nothing to do with the Internet (for example, in DAB, FM, Bluetooth or Aux in) you must select Main menu > System settings> Network > Keep network connectedness > YES. This allows you to wake the radio from standby using Spotify app.

Note: If you have planned to not use the radio for long periods, such as overnight, on holiday or when you are out of the house, we recommend that you choose NO to save power.

### Checking Spotify Connect

You can now control Spotify from the app as usual: Searching for and play songs, adjust volume and add to playlists even if the music is played via the radio. Next time you open Spotify app will continue playback via radio.

Spotify Connect is a cloud based service, therefore do not need Smartphone or tablet to be on the same wireless network to control audio playback after the radio is enabled.

### Using another Spotify account with radio

Spotify account details are now stored on the radio. To overwrite this with another Spotify account, follow the activation steps again while running Spotify app with the desired account. Remember that both your Smartphone or tablet and the radio must be on the same wireless network for the overwrite to happen.

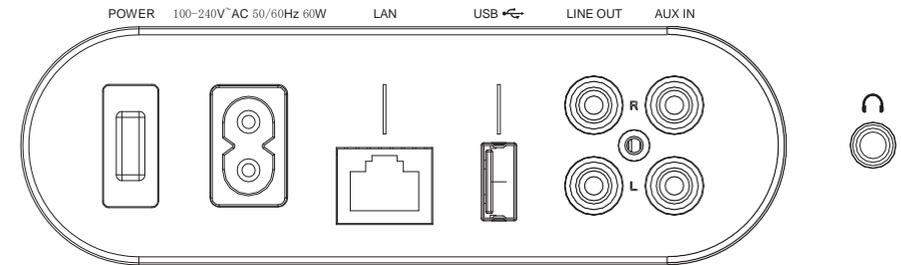
“The Spotify software is subject to third party licenses found here: [www.spotify.com/connect/third-party-licenses](http://www.spotify.com/connect/third-party-licenses).



### 2.3 Connectors on the rear panel

As shown below has connectors (from left to right) for the following :

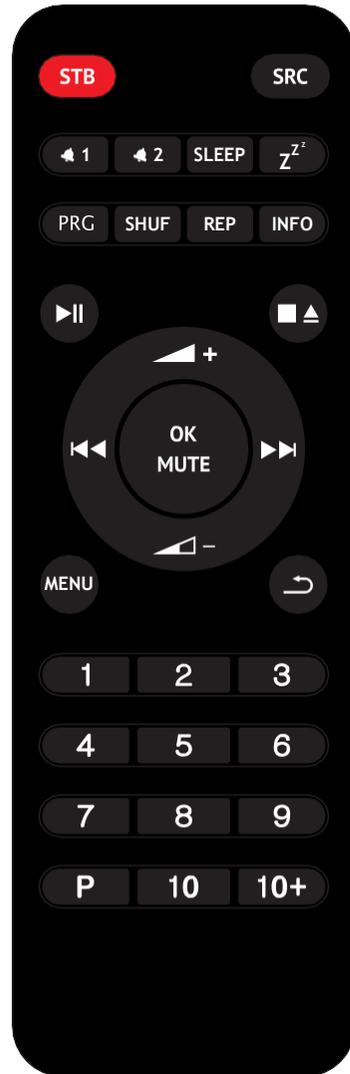
- Power switch
- Power input (100–240V)
- LAN for Ethernet connect
- USB (is for USB playback only)
- Line out (to connect to an external amplifier)
- Aux in (to connect external media like iPod)
- Headphones out on the front panel.



### 2.4 Remote control

In addition to duplicating most of top wheel buttons, the remote control adds the following functions :

1. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 10+ : Press to preset the favorite stations. The presets recalled using the 1 through 10 buttons on the remote control.
2. : Press to play / pause the playing.
3. : Press to stop CD playback, press again for CD ejection.
4. : Press to volume up or volume down in playing screen. Press up or down to select menu for settings.
5. In playing screen, press right or left to select FM/DAB/ internet radio stations or CD tracks.
6. **P : Preset** : Press for the Preset recall/Save menu ; press right or left to select the preset number then press 'OK' to confirm. There are 20 presets each for Internet radio, DAB and FM modes.
7. **PRG** : for CD programme, adjust the different playback sequences to play tracks.



8. **SHUF (Shuffle)** : with a CD playing, briefly press to play the tracks in random order. Press the Shuffle button a second time to cancel shuffle play.

9. **REP (Repeat)** : With a CD playing, press once to repeat the track being played; Press twice to repeat the entire disc; Press again to cancel the Repeat mode or press stop. Repeat 1 can not be used in conjunction with Shuffle.

### 2.5 Screens

The screen shows various menus, dialogues and displays as described below. There are basically six types of screen :

- Standby (clock)
- Splash (mode)
- Now playing
- Dialogue
- Error/Information
- Menu



When text is too long to fit on the screen, it is first shown truncated, then after a few seconds, slowly scrolls so that you can read it all. The standby screen shows the time, date and any active alarm times.

As you cycle through the play modes using SOURCE, TINY AUDIO WIDE shows a splash screen for each mode. After one second, TINY AUDIO WIDE enters the selected mode and tries to start playing the last station or track that was playing in that mode. If this is not possible, TINY AUDIO WIDE tries to connect to the selected source by scanning for stations, networks, or prompting for user input as appropriate.



Now playing screens show information about the audio source and track now playing, where available.

**Dialogue screens** are shown to allow the user to change settings.

They vary in complexity from simple Yes/No options up to the scrollable network password input screen.



As with menus, the selected item is shown with a yellow background. Dialogue screens mark the current setting with an asterisk (\*).

**Error/Information screens** give specific messages for a few seconds, then Change automatically to another screen.

## Menus

TINY AUDIO WIDE has basically three types of menu. Use the select control to step through and select options. A scroll bar on the right of the screen shows if there are further options above or below those visible.

Each mode has a Mode menu, with options specific to that mode.

For example, the FM mode menu has just two options: Scan setting and Audio setting.



In addition, each mode menu has two final options:

**System settings >** and **Main menu >**. The '>' indicates options leading to further menus.

The System settings menu allows access to system settings and information such as network, time, language and software update. Menus with more options than will fit on one screen have a scroll bar to the right.

The Main menu allows access to all modes plus sleep and timer functions.

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



### 3. Started and setup

TINY AUDIO WIDE is easy to use. To play DAB or FM radio, all you need is a power source (a 100–240 V mains supply); For Music Player mode, you need a wired/wireless Ethernet network and a UPnP music server (e. g. a PC). For Internet-connected modes such as Internet radio, you also need a broadband Internet connection.



### 3. 1 Setup wizard

When TINY AUDIO WIDE 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.

Note: To change these settings later, select Menu > System settings >.

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 TINY AUDIO WIDE 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 TINY AUDIO WIDE is started.

#### 3. 1. 1 12/24 hour display.

To change between 12 and 24 hour display, select Set 12/24 hour and then select your preference.

#### 3. 1. 2 Time/date

The time and date can be updated manually or automatically. With auto-update, the time and date are automatically synchronized with external clocks. Auto-update is generally more accurate.

## Auto-update

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.

TINY AUDIO WIDE will auto-update from the selected source when time information is available.

## Manual set

If you set No update, the wizard now prompts you to set the time and date manually.

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

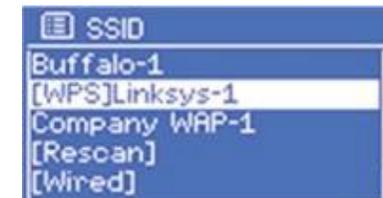
Adjust each value with the Select control.

As each value is set, the next value becomes active and flashes.



### 3.1.3 Network

TINY AUDIO WIDE is compatible with all common network protocols and encryption methods, including Wi-Fi Protected Setup (WPS). To connect TINY AUDIO WIDE to your network, you need a Wi-Fi wireless router, together with password key if set Select WLAN region/country >Wi-Fi network (SSID), and then select a network from the list.



If the network is open (non-encrypted), TINY AUDIO WIDE connects without any further ado; see Completion below.

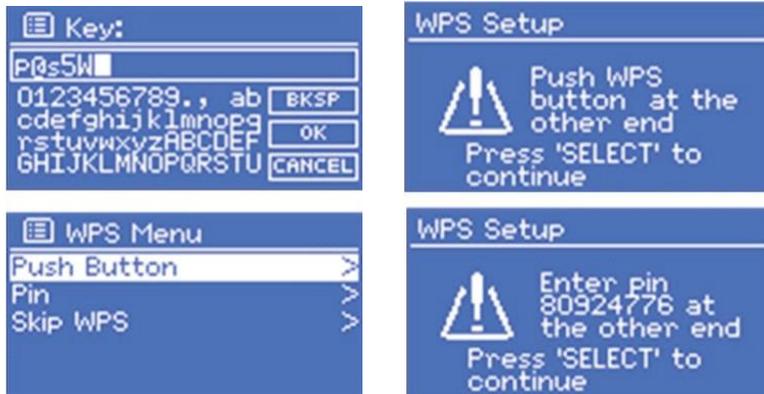
Standard encrypted network

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 (0123456789., ab) – Backspace, OK and Cancel. 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:



Push Button >

TINY AUDIO WIDE prompts you to press the connect button on the router. It then scans for a ready Push Button Connect network

and connects.

Pin > (code number) TINY AUDIO WIDE generates an 8-digit Code number which you enter into the wireless router, Access point, or an external registrar (e. g. advanced versions of Windows Vista).

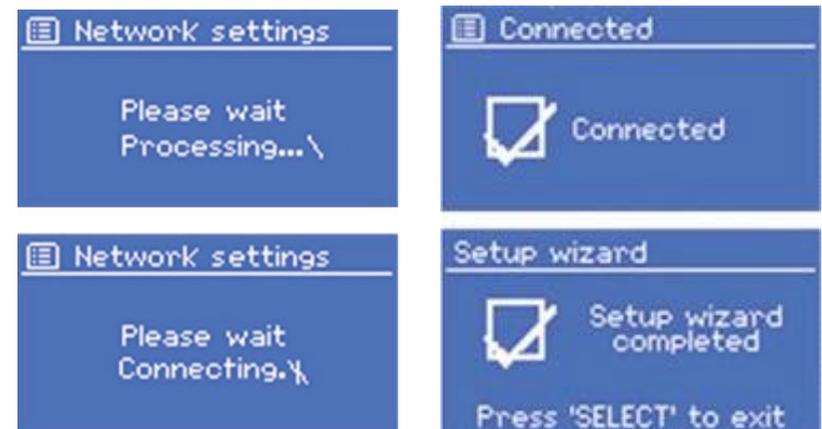
Skip WPS >

Enter key as for a standard encrypted network, above. For more information on setting up a WPS encrypted network, see your WPS router's instructions.

Completion

TINY AUDIO WIDE tries to connect to the selected network. If connecting fails, TINY AUDIO WIDE Returns to a previous screen to try again.

If the network connection is lost, TINY AUDIO WIDE automatically tries to reconnect.



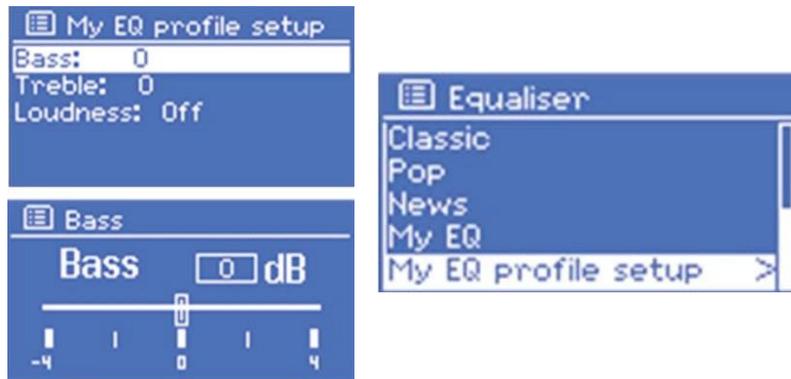
### 3. 2 Other settings

Sections for those modes. Common settings are covered below.

#### 3. 2. 1 Equalizer

Several preset EQ modes are available; also a user-defined setting. To adjust the EQ, select Menu >System settings > Equaliser. You can then choose from a variety of preset modes or create your own, with custom bass, treble and loudness settings.

Follow the steps here



#### 3. 2. 2 Network

TINY AUDIO WIDE remembers the last four wireless networks it has connected to, and automatically tries to connect to whichever one of them it can find. 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.

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

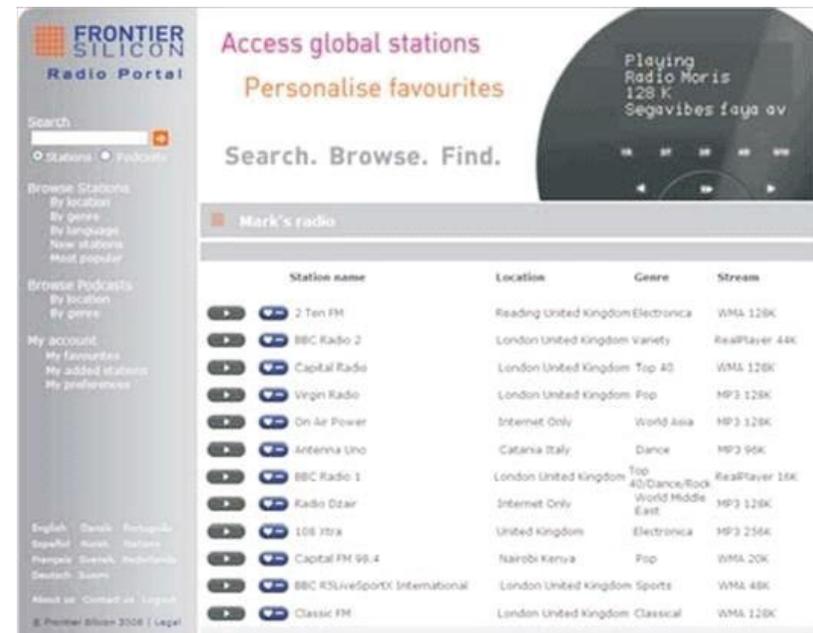
Users experienced with networking may find these options useful for diagnosing and fixing network problems.

#### 3. 2. 3 Language

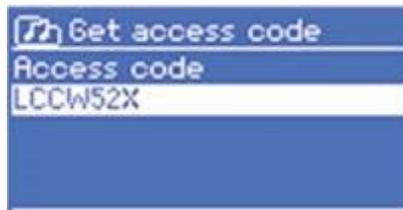
The default language is English. To change, select Menu > System settings >Language >then select your language.

### 3. 3 Internet radio portal registration

TINY AUDIO WIDE uses the Frontier Silicon Internet radio portal website that allows you to organize your favorite's lists and also listen to Internet radio on a computer.



To register your TINY AUDIO WIDE with the portal, switch to Internet radio mode 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: Do not confuse the portal access code with the Radio ID (from Menu > System settings > Info.) Visit the portal website at [www.wifiradio-frontier.com](http://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,  
password,  
radiomodel (TINY AUDIO WIDE).

If you already have an account and wish to add an additional radio, log into 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 favorites and added stations features.

### 3.4 Setting up a music server

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

UPnP media sharing allows devices like TINY AUDIO WIDE 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.

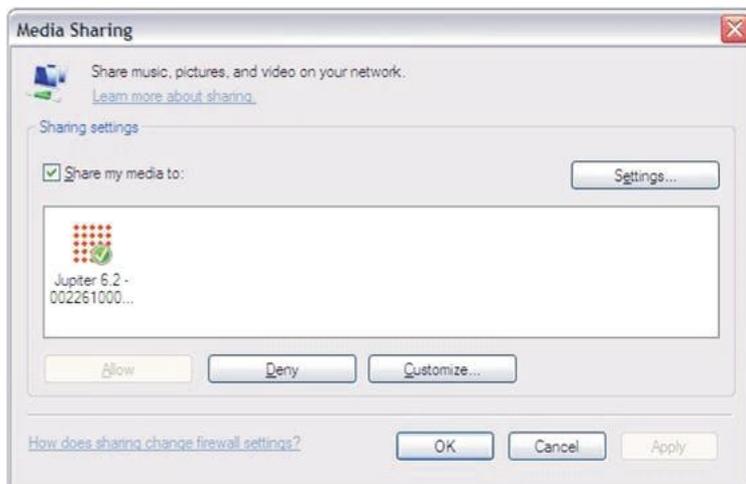
Notice: iTunes does not currently work as a UPnP media server, but there are add-ons available to work with an iTunes library.

### 3.5 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 TINY AUDIO WIDE (Library > Add to Library...).  
Notice: setup can differ depending on which version of WMP you have notice; it may show; TINY AUDIO WIDE, "Unknown device", "Frontier Silicon" or the Jupiter logo as shown below.
4. 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.

### 3.6 Setting up TINY AUDIO WIDE for "Play To" Windows 7 streaming media feature.

To set-up TINY AUDIO WIDE to be controlled and to stream music via Windows Media Player 12 (Windows 7 only), perform the following steps:

1. Ensure that the PC is connected to the network.

2. Ensure that TINY AUDIO WIDE is powered on and connected to the same network.

Note: TINY AUDIO WIDE must be in an Internet radio mode to be detected.

3. From the Windows 7 main screen, select Start > Devices and Printers.
4. Select the Add a device tab in the top left of the Devices and Printers window and follow the instruction prompts given by the wizard.

In the Devices and Printers window a icon \*) will appear and you are now ready to stream your Windows media music files to TINY AUDIO WIDE.

\*) To change the name of your device, right click on icon and choose properties. Then choose UPnP and click on "device webpage"

## 4. Internet radio mode

TINY AUDIO WIDE can play thousands of radio stations and podcasts from around the world though a broadband Internet connection.

When you select Internet radio mode, TINY AUDIO WIDE contacts the Frontier Silicon Internet radio portal to get a list of stations, organized into different categories like Country, Most popular and Genre.

Once you select a station, TINY AUDIO WIDE connects directly to that station.



The portal also enables multiple lists of favourite stations that you can personalise, for example Andy's stations, Jo's favourites, Talkshows. To use the favourites feature, register your radio with the portal website. If you have several Frontier Silicon radios, you can register them all on the same account so that each radio has access to your favourite's lists. It is possible to add favourites either directly through TINY AUDIO WIDE 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 TINY AUDIO WIDE is connected to the Internet. 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:

Favourites lists

Browse by Country, Genre, Most popular, Newest

Search by keyword

My added stations

If you are already listening to an Internet radio station, you can press Back rather than Menu to quickly return to the last visited branch of the menu tree. For example,

Suppose you were listening to New Orleans Radio through the browse facility. Pressing Back would return you to the Highlighted Blues stations menu. Pressing Back again would return you to the Blues menu, and so on

#### 4.1 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.

#### 4.2 Presets

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

To store an Internet radio preset, press and hold Preset until the display shows the Save preset screen. Select one of the 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, it shows Pn (P1, P2 etc) in the bottom of the screen.

Note : Operation of presets is identical for Internet radio, DAB and FM.

#### 4. 3 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](http://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 > stations.

#### 4. 4 Browse

To browse Internet broadcasts, select Menu> Station list> then either Stations > or Podcasts > Browse through the menus to find

broadcasts.



Note: BBC radio 'Listen Again' programmes are accessible through the Podcast menu, for example Menu > Podcasts > Location > Europe > United Kingdom > All shows > BBC Radio 4 > You and Yours > 20/10/2008 – October 2010.

#### 4. 5 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 Stations > or Podcasts > Enter a keyword by selecting characters then OK. The search entry screens are similar in operation to the Wi-Fi password entry screen.

Select a broadcast from the list.

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



#### 4.6 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 TINY AUDIO WIDE by selecting Menu > Station list > My added stations > [Station].

#### 4.7 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)
- Description
- Genre and show country
- Reliability
- Bit rate and Codec and Sampling Rate
- Playback buffer
- Today's Date

### 5. Music player mode (network)

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



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 to quickly return to the last visited branch of the menu tree. For example, suppose you were listening to the track Heat by the artist 50 Cent through browsing shared media. Pressing Back would return you to the track listing for the album Get Rich or Die Tryin'. Pressing Back again would list all 50 Cent albums. Pressing Back again would list all album artists, and so on.

You can use << and >> to move through tracks. Press and hold to rewind or fast forward and press quickly to select previous or next track.

#### 5.1 Shared media (from UPnP media server)

Select Menu > Shared media >

If you have set up shared media, 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. TINY AUDIO WIDE can only play music and playlists.

There is also a search function, which finds tracks in a similar way to Internet radio search.

From Music, there are numerous ways of selecting tracks, including:



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 the playlist. You can also add entire albums to the playlist. TINY AUDIO WIDE plays either the selected track or the playlist.

### 5. 1. 1 Wake-on-LAN

If shared media is selected a list of available music servers will be 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.

### 5. 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

### 5. 2 Playlists

TINY AUDIO WIDE holds a queue of up to 500 tracks in the playlist. Playlist tracks can be mixed from multiple UPnP servers.

To manage the playlist, select Menu > My playlist.

To view the playlist, scroll through 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.



### 5.3 Repeat/shuffle

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

### 5.4 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), album, codec/sampling rate, playback Buffer bar, today's date.

## 6. Using the 'Play To' feature in Windows 7 to stream media

One of the new Windows 7 features includes a feature called 'Play To' and this lets your PC running Windows 7 control TINY AUDIO WIDE to push media and use a universal remote control for your media collection.

TINY AUDIO WIDE 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.

Before you can use the "Play To" feature you need the set-up TINY AUDIO WIDE for Windows 7 streaming media.

### 6.1 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.

## 6.2 Use "Play To" elsewhere in Windows 7

Outside of Windows Media Player, you can stream media to TINY AUDIO WIDE with "Play To" by right-clicking music files. To select music files and stream them to TINY AUDIO WIDE, follow these steps:

- 1). Click the files you want to stream to TINY AUDIO WIDE.
- 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.

## 6.3 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/samplingrate, playbackbuffer



## 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

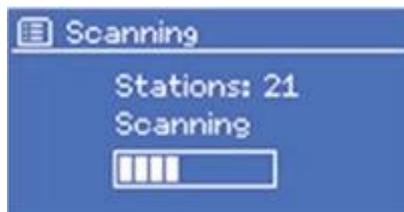
DAB Radio or select; Menu > Main menu > DAB.



## 7.1 Scanning for stations

The first time you select DAB radio mode, Or if the station list is

empty, TINY AUDIO WIDE 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. 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 to view a list of stations and press to select. Once selected, the station plays and the screen shows information about the station, track or show as broadcast.

## Presets

To store a DAB preset, press and hold Preset until the display shows the Save preset screen.

Select one of the 10 presets (on the remote) 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, it shows Pn (P1, P2 etc) in the bottom right of the screen.

## 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 and today's date.

## 7.4 Settings

### Dynamic range compression

Some DAB broadcasts offer dynamic range compression (DRC). This feature allows radios 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. This can be

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 the TINY AUDIO WIDE, select Menu > DRC, and then DRC high, DRC low or DRC off.

Note: The TINY AUDIO WIDE's DRC setting does 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 or select Menu > Main menu > FM.



## 8.1 Selecting stations

To find a station, press Select. The frequency display starts to run up as TINY AUDIO WIDE scans the FM band. Alternatively, you can scan up or down by pressing and holding the >> or << buttons or tune manually with quick presses, or by turning the Select control.

Presets to store an FM 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, it shows Pn (P1, P2 etc) in the bottom right of the screen.

## 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-to-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

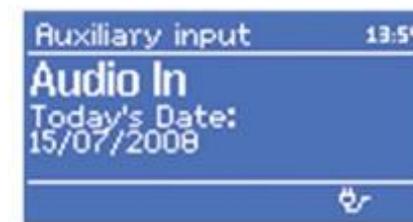
By default, all stereo stations are reproduced in stereo. For weak stations, this may result in a poor signal-to-noise ratio (hiss). To play weak stations in mono, select Menu > Audio setting > FM weak reception: Listen in mono only > Yes.

## 9. AUX mode

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

To play audio with Aux in mode.

- 1). Connect the external audio source to the Aux In 3.5 mm stereo socket.
- 2). Either press Mode until the display shows AUX in or select Menu> Main menu > AUX in.
- 3). Adjust the volume of TINY AUDIO WIDE (and, if necessary, the audio source device) as required.



## 10. Bluetooth mode

Prior to pairing, verify your device supports Bluetooth 4.0+EDR A2DP and your device is not connected to any other Bluetooth product. Devices may pair differently. Below is a general guide.

1. Press to source to Bluetooth mode. This will power on the Bluetooth. Turn the volume up about ¼ to start. Also turn up the volume on the source device (the device you are streaming from).
2. Turn on the Bluetooth on your enabled device.
3. Select Bluetooth device name "TINY AUDIO WIDE" when it appears on your device's screen to Initiate searching.
4. You can start to play your music files wirelessly. Adjust the volume level on your device.

You should not have to pair your device again.

Depending on your device, you may need to make multiple attempts at Pairing and/or Connecting to the "TINY AUDIO WIDE", but please give your device adequate time to Pair or Connect before repeating the process.

Pairing A Bluetooth Wireless Technology Enabled iPhone /iPod touch/iPad.

1. Press source to select Bluetooth mode. This will power on the Bluetooth.

Turn the volume up about  $\frac{1}{4}$  to start. Also turn up the volume on the source device (the device you are streaming from).

2. Select "Settings". (Depending on software version)
3. Select "General".
4. Select "Bluetooth".
5. Switch Bluetooth "On" to initiate searching.
6. Select "TINY AUDIO WIDE" when it appears on the display.
7. You will hear a ring tone from the "TINY AUDIO WIDE" and you can begin playing your music files wirelessly.

Adjust the volume level on your device. You should not have to pair your iPhone/iPod/iPad again. The volume output level of music files varies.

If you prefer an even higher output level, check the settings in your iPhone/iPod touch/iPad:

Set the EQ Off, the Sound Check Off, and the Volume limit Off. If you encounter a problem Pairing, press the small arrow to the right of "TINY AUDIO WIDE" on your iPhone/iPod touch/iPad display and select "Forget this Device", then repeat the Pairing process.

Depending on your device.

You may need to make multiple attempts at Pairing and/or Connecting to the TINY AUDIO WIDE, but please give your device adequate time to Pair or Connect before repeating the process.

## 11. CD Playback

Notice! Improper operation can result in material damages! Do not insert any recording media that deviate from the standard CD format (eg: mini-discs) into the CD player. These may not be played and ejected correctly. Insert only one disc at a time into the CD player.

Insert a disc (with printing side facing up) until it is drawn inside. The CD player will automatically load the CD and start playback. The display will say "Loading". Disc functions will not work while the disc is loading. Playback will begin automatically once the table of contents is read. The display will show "No Disc" when the unit is set to CD mode and there is no CD inside.

Insert the CD into the CD slot with the label side up, The display shows the following information in CD mode:

- CD mode
- Time
- Elapsed playback time in minutes
- Track number
- Playback status (playing/pause)

To pause/resume playback of the CD, press the  button.

To switch to the next track, press the  button once.

To fast forward through a track, press and hold .

To switch to the previous track, press and hold .

To stop CD playback, press .

## Adjusting CD playback

You can choose different playback sequences to play tracks by press PRG on remote control. Press the menu button to open the CD menu for system settings.

### 12. 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 a set period. Each alarm can be set to start in a particular mode.



#### 12.1 Alarms

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: on/off,  
 Frequency: Daily, Once, Weekends or Weekdays,  
 Time,  
 Mode: Buzzer, Internet radio, DAB, FM, CD  
 Preset: Last listened or 1-10,  
 Volume: 0-max.

To activate the new settings, scroll down and select Save. The screen shows active alarms with an icon at the bottom left. At the set time, the alarm will sound. To temporarily silence it, press Snooze .

You can change the snooze period with the Select control if you like. The radio returns to standby for the set period, with the silenced alarm icon flashing.



#### 12.2 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.

### 13. Software upgrade and factory reset

#### 13.1 Software upgrade

From time to time, TINY AUDIO WIDE may make software upgrades available with bug Fixes and/or additional features. You can either check manually, or set TINY AUDIO WIDE to check periodically automatically (this is the default). If TINY AUDIO WIDE 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 TINY AUDIO WIDE 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.

### 13.2 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 favourites 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.

## 14. Troubleshooting and error messages

### 14.1 Error messages

Message	Description	Example
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 TINY AUDIO WIDE in UPnP server settings
updated failed	Software upgrade failed	

### 14.2 Troubleshooting

Problem	Cause	Solutions
FM: Hiss	Low signal strength	Check/move antenna
DAB: burbling/intermittent cut-out		Move radio
		Rescan local (high-strength) stations only

		For DAB, check local coverage at <a href="http://www.ukdigitalradio.com/coverage">www.ukdigitalradio.com/coverage</a>
DAB: 'No stations available' message	Low signal strength	As above then rescan stations.
Problem	Cause	Solutions
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 TINY AUDIO WIDE MAC address from Menu > System settings > Network > View settings and add to router list.  Note: TINY AUDIO WIDE 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)
	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. TINY AUDIO WIDE 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.	Try other stations; try listening on <b>computer</b> via Internet radio portal website; try later.
	Station broadcasting using unknown codec.	
	Link out of date.	

Problem	Cause	Solutions
CD playback does not start	CD format is not compatible	insert a different CD into the CD slot
	CD is dirty	clean the CD
	CD is damaged	insert a different CD into the CD slot
	CD is upside down in the CD slot	Eject the CD and insert it in the CD slot the right way up

**15 Technical Specification:**

**Model:** TINY AUDIO WIDE Wireless Stream Music System with CD

**Type:** WiFi/DLNA/Spotify/Internet radio/DAB/DAB+/FM/AUX/Bluetooth/CD Player

**Power Supply:** 100–240V mains supply

**Dimension (mm):** 350W x 124H x 215D

**Weight:** 4.8 KG

Specifications are subject to change without notice

