

Internet Radio With CD Player WR-6238CD



Please read this user manual carefully before using the receiver

Contents

1. Introduction to the WR-6238CD Internet Radio	4
2. Internet Radio Connections	6
3. Location of Controls	7
4. Remote controller	9
5. Choosing options and functions	10
6. Network Setup	11
7. Overview of Radio modes and functions	13
8. My Favorite	15
9. Internet Radio	16
10. Media Center	18
11. USB	19
12. DAB+/DAB Radio (Digital Audio Broadcasting)	20
13. FM Radio	21
14. Bluetooth Speaker	22
15. CD player	23
16. Alarm & Snooze	24
17. Sleep Timer	25
18. Configuration	26
19. Skytune Web Application for Internet Radio www.skytune.net	28
20. Problems and Solutions	31
21. Technical Specification	33

1

The WR-6238CD is a compact, multi-purpose Internet Radio including a CD and USB player with a modern and attractive design.

The radio has eleven different operating modes providing a comprehensive set of enhancements to audio entertainment and a gateway into the world of digital audio.

- 1) My Favorite (No Wi-Fi and Internet)
 - List of previously Preset favorite listening choices
- 2) Wireless Wi-Fi (Internet connected)
 - Internet Radio with more than 30 thousand radio stations world wide
 - Local Radio streamed over the Internet for high quality
- 3) Media Center (Wi-Fi Network)
 - Play music streamed over the Wi-Fi network by a UPnP server e.g. smart phone, laptop
- 4) Wireless direct broadcast (no Wi-Fi and Internet)
 - DAB & DAB+ Radio (Digital Audio Broadcast) for high quality digital audio
 - FM Radio reception frequency 87.5-108MHz
- 5) Wireless Bluetooth (no Wi-Fi and Internet)
 - Play audio transmitted from a Bluetooth source e.g. smart phone, Laptop
- 6) CD player (no Wi-Fi and Internet)
 - Play favorite CDs with integrated high quality player
- 7) USB Drive (no Wi-Fi and Internet)
 - Play favorite music files with integrated high quality player
- 8) Alarm (no Wi-Fi and Internet)
 - Wake up alarm Clock with option to automatically set the Time of Day to Internet time standard

- 9) Sleep Timer (no Wi-Fi and Internet)
 - Adjustable timer to delay putting the Radio into Standby mode
- 10) Configuration (no Wi-Fi and Internet)
 - · Set up, options and information center

Precautions

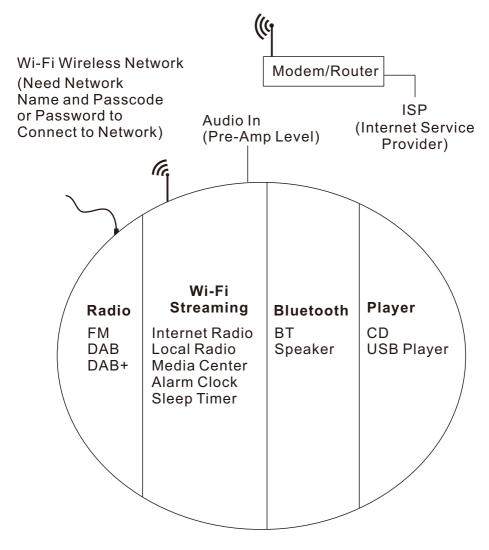
Use only the A/C Power Adaptor supplied with the Radio or permanent damage to the radio will occur and may be hazardous.

To clean use only a damp cloth and dry with a clean towel - keep away from all liquids.

To avoid loss of warranty do not attempt to repair or remove the cover for any reason.

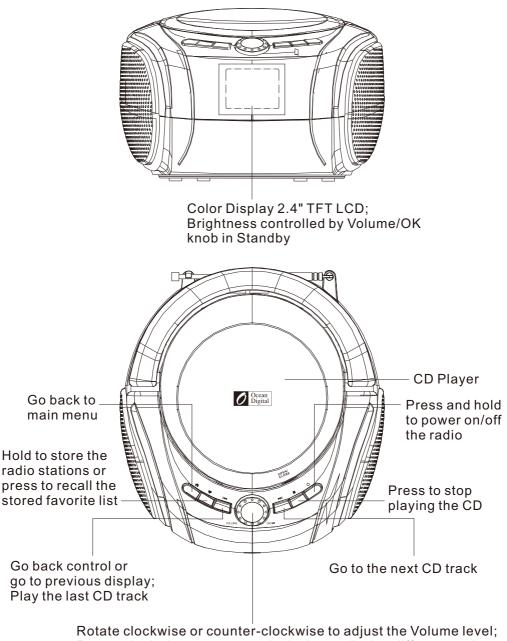
Internet Radio Connections

2

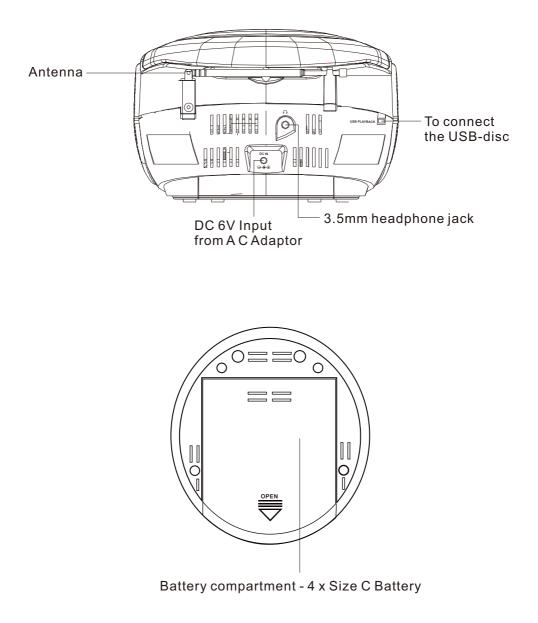


WR-6238CD

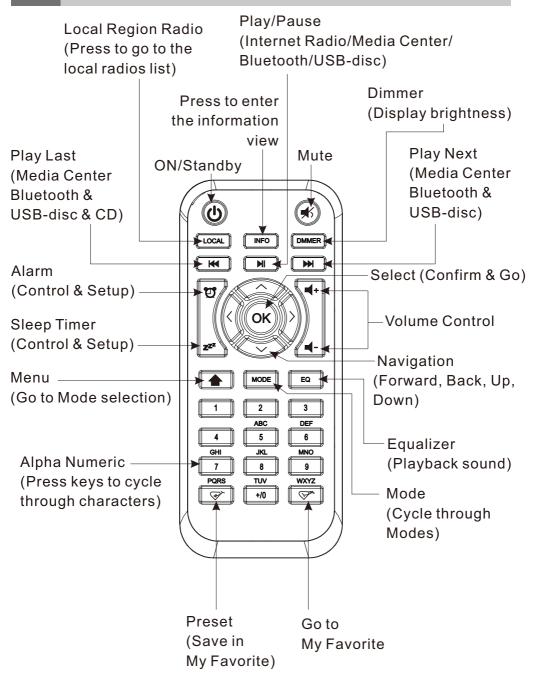
Location of Controls



Rotate clockwise or counter-clockwise to display different options; Press to Select highlighted or displayed option; Press to mute the sound in playing mode



4 Remote control



5 Choosing options and functions

All user input is information that the Radio uses to provide the desired audio entertainment with select (enter) a confirmation and go command.

The **Volume/OK** control knob is used for navigating LCD displays and lists by rotating clockwise (CW) or counter clockwise (CCW) to change or highlight information displayed on the LCD screen and confirms a selection when it is pressed and released.

When playing audio, the **Volume/OK** is used for volume control by rotating clockwise (CW) or counter clockwise (CCW).

The Forward/Next (>>>) and Previous/Back (>>>>) buttons are used to go to the next or previous track when in Media Center / Bluetooth / CD / USB playback mode.

Throughout this manual "Select" will mean navigating through option lists or display screens to highlight desired selection and confirming it by pressing and releasing the **Volume/OK** knob.

The remote controller can also be used to control the Radio with the center navigation buttons ($\blacktriangleleft \lor \blacktriangleright \blacktriangle$) and OK button to confirm selections.

Many other controls are available on the remote controller with discrete buttons for many functions e.g. volume up or down.

6 Network Setup

The Internet Radio must have a high bandwidth internet connection and a wireless (Wi-Fi) home network connected to it to be fully functional.

Plug the A/C Power adaptor into a wall socket and the back of the Radio or insert four size C batteries in the battery compartment located on the underside of the radio.

Press and hold the power (😃) button to turn on the radio - the display will show a list of available languages. Highlight and Select a language.

Wireless Connection (Wi-Fi)

The first time the Radio is turned on after leaving the factory a <Configure Network> wizard is automatically started:

- 1) Highlight and Select <Yes> to connect to the Wi-Fi network
- 2) The display will change and display a list of options Select <Add/Remove AP>
- 3) The display will change and display a list of options Select <Add AP (Scan)>
- 4) The display will show a list of available networks Select your network
- 5) The display will ask for your passphrase this is often called passcode or password
- Highlight the first digit using the **Volume/OK** knob. Or the up/down button. Alternatively use the remote controller keypad and OK button to enter the digit directly.

Note: If an error is made correct it by using the move back button \bowtie or \blacktriangleleft on the remote control.

- Select by pressing and releasing the Volume/OK knob
- Highlight the next digit
- Select by pressing and releasing the Volume/OK knob

- Repeat until the last digit has been Highlighted
- Confirm by pressing and holding the Volume/OK knob until the display changes.
- 6) If the connection is successful "Association Complete" will be displayed briefly.

To repeat the above procedure, or if the Configure Network wizard does not automatically start, the network can be connected by using the Configuration mode.

1) Press the **Home** button to go to My Favorite mode.

- 2) Using the Volume/OK knob navigate to and select configuration
- 3) Select Network

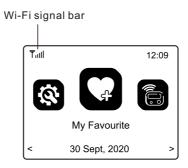
There are three different options to connect to the network from the Configuration mode:

- 1) Repeat steps 2) through 5) above.
- 2) Select Add AP (WPS button) Press WPS button on your router within 2 minutes to complete the connection.
- 3) Select Add AP (Smart Config) Download an APP (e.g. EspTouch) that configures ESP32 devices (e.g. WR-6238CD) and install on a smart phone, tablet or other device that can use APPs. Start the APP to complete the connection. During the setup, please tap "Multicast" in the menu.

Connection status is displayed in the top left hand corner of the LCD with the Wi-Fi symbol and signal strength bars ($\gamma_{\rm HI}$).

For best Wi-Fi performance, limit "drop outs" (interruptions) the Wi-Fi Channels should be set according to the location of the Radio e.g. China, USA, Europe. The factory default is China.

To set the correct location, select Configuration, Network, Wi-Fi Channels and select the correct option. To Select any mode use the A button on the front panel or the A on remote controller to display the My Favorite screen:



Navigate through the modes to find and Select any of these functions: 1) My Favorite – A maximum of 99 previously saved (Preset) favorite listening sources are listed for Selection.

- 2) Internet Radio Select online radio station from the thousands available on Skytune or by using the History list of previously selected radio stations or use search to find a preferred radio station.
- Media Center Browse and Select music streaming on your home Wi-Fi network by any UPnP compatible server e.g. Smart phone, Tablet, PC, Laptop.
- 4) DAB+/DAB Radio Play high quality audio entertainment using the wire antenna if this service is available in your area e.g. not available in USA, China.
- 5) FM Radio Play your favorite local FM radio station within the frequency 87.5-108MHz.
- Bluetooth –When "Paired" (connected) to another Bluetooth device use the Radio as a powered speaker for high fidelity playback of your audio files. Maximum range of the Bluetooth wireless signal is 10 meters (32 feet) but may be reduced by the presence of walls or other obstructions.

Overview of Radio modes and functions

- 7) CD player Play music from CD inserted into the player
- 8) USB Play music files stored on a USB disc.
- 9) Alarm two separate alarm clocks with the time of day automatically synchronized to the internet time standard or other time standard.
- 10) Sleep Timer Select a time delay before the Radio goes to Standby mode while playing your selected audio entertainment source.
- 11) Configuration This mode lists all available options and settings to personalize your Radio or reset them all back to the factory settings.

8 My Favorite

This mode displays a list of up to a maximum of 99 audio sources that have been Preset (stored) using the Preset button on the remote controller (\bigcirc) while an audio source is playing.

Press and hold button until the Preset symbol ($\, \sqcup \,$) is displayed in the top left corner of the LCD.

After the first 99 presets the next Preset will be stored in the first location, the next in the second location; continuing to overwrite each list location until it loops back to the first location again.

To Edit the list highlight a list item then press the Move Forward button (►) on top of the radio or ► on remote controller to move to the Edit list function where the item can be moved Up, Down or Deleted from the list.

9 Internet Radio

Select Internet Radio mode using the \clubsuit button on the top of the radio or the Menu button on the remote controller and navigate to the Internet Radio display.

Search the extensive list of worldwide radio stations using these options:

1) Skytune – Select a radio station using the structured lists that aid and reduce the task of finding the right station.

Select Local Radio to listen to a radio station in the region selected in Configuration mode.

- 2) Use Search instead of browsing the extensive radio station list by using numbers or letters in the desired station name, creating a shorter list of stations the more characters used in the search.
- 3) The History option will show a list of the radios stations recently selected. Every station selected is added to the list automatically until a maximum of 99 is reached when the next station selected will replace the first station in the list.

When playing Internet stations information about the station and what is playing will be displayed on the color LCD screen with more information available by using the Forward (►) button on the remote controller or press and hold the Forward (►) button on top of the radio.



Radio Stations can be added to the My Favorite list at anytime a station is playing using the Preset () button on the remote controller. When a Preset is added the icon (\sqcup) is displayed as shown below.



A maximum of 99 Presets can be put in the list before the next Preset will overwrite the first entry.

Use list Edit options to move an entry Down, Up or Delete by highlighting the station to edit and pressing the Forward button (►) on top of the radio or ► on remote controller.

10 Media Center

The Radio supports playing the industry standard Universal Plug and Play (UPnP) when files are streamed over your Wi-Fi network.

The Radio can browse and play music files stored on a UPnP/DLNA server provided the server has been setup to allow sharing of files on your home Wi-Fi network.

Playback has several modes selected in **Configuration** under **Playback Setup; Repeat All, Repeat One, Shuffle** and **Normal** playback.

Select the Media Center to display list of options;

- UPnP A scan is made to find UPnP devices that are streaming on your Wi-Fi network (this can take a few seconds) and when complete options are listed to select music or playlists files. If no UPnP servers are found "Empty List" is displayed.
- My Playlist Your own play list may be created by playing selected music and while it is playing pressing and holding the Volume/OK knob or the OK button on the remote controller until the Preset symbol (↔) is displayed.
- 3) Clear My Playlist Select to delete all music files from My Playlist.

11 USB

The radio can playback remote audio files on a USB-disc if they are stored in MP3 format.

To start playing music files insert the USB-disc player cable into the USB connector and the first music file will start playing automatically with its number displayed.

Press the Previous (➡) or Next (➡) button to change to the previous or next song and start playing automatically.

Playback will start with the first music file (song) with the next track to be played selected automatically according to the playback option setting under Playback Setup in Configuration mode i.e. repeat all, repeat one, shuffle or normal.

Presets cannot be used with the USB-disc playback feature.

DAB+/DAB radio broadcasts high quality audio broadcasting but it is only available in certain parts of the world e.g. not available in the USA, China.

Select DAB Radio and press **Volume/OK** or OK button if option to Scan and Preset DAB Stations is displayed or if a list of Preset DAB stations is displayed select station to start listening.

Tutl 🖸 1	11:06
DAB Radio	6/9
< 🖬 SBS Digital One	>
🖆 2GB	>
💼 2GB	>
💼 2UE	>
SBS Digital Two	>
🖬 DAB Plus 1	>
🖆 DAB Plus 2	>

While a station is playing it can be added to the Favorite list by pressing the Preset button (\Im^{\sim}) on the remote controller.

To display more radio station information press the Forward button (\blacktriangleright) on the remote controller or press and hold the \blacktriangleright on the top of the radio.

Note: Changes to the available DAB/DAB+ stations will not be included in the available station list without a new scan for stations. To scan again go to Configuration > DAB Setup > DAB Full Scan.

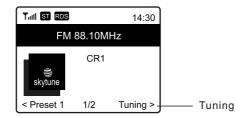
13 FM Radio

Operation of the FM radio is the same as DAB+/DAB radio except that manual tuning is available.

While the FM radio is playing, press and hold the **Volume/OK** or OK button until "Tuning" is displayed in the lower right corner of the display.

Press and release the Forward (\bowtie) or Back (\bowtie) button on the top of the radio or the \blacktriangleleft or \triangleright button on the remote controller to increase or decrease the frequency in small (0.1 MHz) steps.

To exit manual tuning long press Volume/OK or OK button.



14 Bluetooth Speaker

After selecting Bluetooth the display will show the Radio's Bluetooth identifier code and connection status. If it is the first time the radio is used with the source device "pairing" must take place with the Bluetooth audio source device.

When the Radio's identification code appears in the list of local Bluetooth devices, on the Bluetooth source device, pair the two devices so that they can recognize each other and will automatically connect whenever the Radio is in range and in Bluetooth mode.

Once pairing is complete the audio file being transmitted by the Bluetooth device will be received by the Radio and played the same as any other audio source.

15 CD player

Select CD Player mode (press Home button and navigate to CD mode) and insert a CD into the CD player slot.

The radio will automatically start playing the first track on the CD with the next track to be played selected automatically according to the playback option selected In Configuration mode under Playback Setup i.e. repeat all, repeat one, shuffle or normal.

To change tracks when a track is playing press the Previous or Next button on the top of the radio or on the remote controller.

To stop playing the CD press Stop button (top of radio) and to restart playing the same CD, Press Volume/OK to start playing from track 1.

To pause playing the CD press Volume/OK knob or ►II button on the top of the radio or the ►II on remote controller – to restart playing press ►II button again.

16 Alarm & Snooze

There are two separate wake up alarms that can be set up independently to start at a given time, with selectable sounds, at adjustable volume and with repeat options, on their own or at the same time e.g. set Alarm 1 for normal wake time and Alarm 2 to wake in case of falling asleep again.

Select Alarm 1 or 2 and a setup wizard will start to guide selecting options:

The wake sounds selected can be a tone or other sources in the My Favorites list or FM / DAB radio stations list.

After selecting the final option or adjustment exit the set up wizard by using the Back button (\bowtie) on top of the radio or \blacktriangleleft on the remote controller.

After setting up the Alarm check to confirm it is set by the presence of the alarm icon (\mathfrak{V}) at the top, left side of the display.

The Alarm will function while the radio is On or in Standby modes.

When the Alarm sounds turn off the Alarm function by pressing the Power button or activate Snooze by pressing the Volume/OK or OK button on remote control.

When the snooze feature is activated the alarm is reset to sound again after 9 minutes when the Alarm function can be turned off by pressing the Power button or to Snooze again press the Volume/OK knob.

17 Sleep Timer

Set a time delay before the Radio automatically goes to Standby mode allowing the listening of audio entertainment while falling asleep.

Select the sleep timer using mode menu ($\mathbb{Z}^{\mathbb{Z}}$ button on the remote controller) to display a list of delay times – select the appropriate time and exit sleep timer setup by using the back button (\mathbb{H} or \blacktriangleleft).

18 Configuration

Select Configuration for a list of settings and options, navigate the list and select the desired function, use the controls to go forward or backwards in the decision tree and make selections.

Network

Wi-Fi Network

- Network Options Select if the Radio should be permanently connected or to disconnect if the connection is not active for more than 30 seconds.
- Wi-Fi Channels Select your location to minimize interruption (drop outs) of the information stream e.g. music.
- ➢ Wi-Fi Network
 - Add/Remove AP Scan local area to find and list available Wi-Fi networks
 - AP:[] If there is more than one router on the network select the one for the Radio to use.
 - Signal Display Wi-Fi signal strength
 - IP [current setting] Factory Reset default is Dynamic
 - DNS [current setting] Factory Reset default is Dynamic

Date & Time

Set up and select options for time zone, clock and date formats, adjust for day light saving time, network time, NTP server address, DAB time and FM time.

Language

Select language.

DAB Setup

Options to scan for available stations to create station list, manually search for stations and display station list.

FM Setup

Options to select FM area, scan for FM stations to create station list and display station list.

Local Radio

Option to automatically set local stations or set manually.

Configuration

Playback Setup

Options to repeat all, repeat one, shuffle or normal.

Resume play options

Play when ready or do not start playing.

Dimmer

Options to set LCD brightness levels in play and Standby – set Dim and Bright light levels independently from dark to full brightness.

EQ [current setting]

Options for playback sound e.g. Flat, Rock, Classical.

Buffer Time [current setting]

Select either a 2 or 5 second buffer (storage) of streaming information to be stored before restoring audio after short breaks in the Internet data stream.

Information

Network and System information.

Software Update

Request an update to the system software. Do not turn off the radio until the update has completed. If an error occurs or radio becomes unresponsive, unplug the AC adaptor, wait 3-5 seconds and plug it in again to restart the radio.

Reset to default

Reset all the Radio settings and options back to the exit factory condition.

19 Skytune Web Application for Internet Radio <u>www.skytune.net</u>

Browse / Search

On the opening page click Browse / Search at the lower right side of the page.



Enter the name of a Radio Station or Browse the structured list of stations available, select the one of interest and click on the heart symbol (\clubsuit) to display the station logo.

Result for Sear	ching 'dance'		
.FM	.FM		
1.fm 90's Dance	1.fm Dance One	101.RU - Club Dance	101.RU - Russian Dance
	•		

The Radio connection page will ask if the station is to be played or saved in your My Favorite list.

To make an Internet connection to the Radio it's IP address must be entered in the space provided – the Radio IP address can be found in Configuration > Information > Network Information.

Add Favourite / Listen to Station	×
Which operation do you want to apply to the station ? 1.fm Dance One	
 Add station to my radio device favourite Listen to station on my radio device 	
Please enter your radio device's IP below.	
Send Close	

Once the IP address has been entered make selection to save or listen, click Send.

The Radio's My Favorite page will be displayed with your list of Preset stations and can be edited using the tools provided on the web page.

Request to add Radio Station

If you know the name of a Radio Station and it is not in the list a request can be made to have it added.

On the opening page select the Suggest Station tab and fill in the application.

Adding a Radio Station

To add a Radio Station its name and URL can be entered in the Add Channel section along with selecting the Country where it is located and Genre of audio entertainment it provides.

hannal Group : BOOT								
nanı	Nei Group : MUDI							
	Channel Name	URL						
1.	DJ AAM Radio FM	*****	Edit	Delete	Top	$\mathbb{U}_{\mathbb{P}}$	Bown	Botte
2.	Country Radio Switzerlar	*****	Edit	Delete	Top	$\underline{\mathbb{U}_{P}}$	Bown	Botte
з.	Bigbeat	*****	Edit	Delete	Top	Up	Down	Botte
4.	24Radio Switzerland	*****	Edit	Delete	Top	Up	Down	Botte
5.	AFN American Freedom	*****	Edit	Delete	Top	Up	Down	Botte
6.	Energy Berlin	http://energyradio.de/bremen	Edit	Delete	Top	<u>Up</u>	Down	Botte
7.	MP3 Pro	http://www.katrafm.com/katrafm_mp3pro.m3	Edit	Delete	Top	Up	Down	Botte
8.	2	http://www.ultranet.biz/vegasandanski.m3u	Edit	Delete	Top	Up	Down	Botte
9.	stream 2	http://lindowsradio.com:8600/listen.pls	Edit	Delete	Top	Up	Down	Botte
0.	aac 128	http://eastlondonradio.com:8100/bighigh.aac	Edit	Delete	Top	Up	Bown	Botte
1.	Seoul Shoutcast	http://yp.shoutcast.com/sbin/tunein-station.	Edit	Delete	Top	Up	Bown	Botte

Smart Phone, Tablet or Computer Control

With device connected to the same Wi-Fi network as the Radio use web browser to edit lists and add radio stations.

Enter the Radio's IP address (Configuration > Information > Network to find IP address) as web address and a window will open to edit lists e.g. add your favorite radio station URL if it is not in the list.

Note: Only audio stream URL from radio stations will function correctly i.e. web site, web player or any other types of URL are not compatible and will not function correctly.

Cannot connect to the Wi-Fi Network a) Common Causes

• Incorrect passphrase / passcode / password for the selected Network.

• Location of the Radio has a weak Wi-Fi signal – if possible check with another Wi-Fi connected device in the same location.

 \bullet Incorrect Network security encryption – Radio supports WEP, WPA and WPA 2

Cannot play UPnP Files

There is no UPnP server connected to the Wi-Fi Network

- The UPnP server is not streaming files over the Wi-Fi Network.
- The server is not correctly configured to allow sharing files over the network

Internet Radio has interruptions (drop outs)

• Wi-Fi Channel – incorrect region selected Configuration > Network > Wi-Fi Channels.

• Weak Wi-Fi signal – check the Wi-Fi symbol (top left hand side of LCD display) for a minimum of two "Bars" - add a Wi-Fi Extender to the Network if necessary.

• Radio Station has interrupted streaming – check by trying a stations in the Skytune> Globe Most Popular list.

• The Internet connection does not have sufficient bandwidth (capacity) to support all the devices connected to the Network when operating at the same time or is experiencing excessive error rates – have the Internet connection checked by the ISP (Internet Service Provider).

Internet Radio cannot play some stations

• The station may not be streaming – not all stations stream for 24 hours a day.

• There are too many users at this time – some stations have a limited number of users they can support at any given time.

• The station link is out of date – it is updated regularly but might take some time for the next update. Alternatively contact Ocean Digital support at www.oceandigitalshop.com/hk

• The station link is no longer active – the station is no longer available.

DAB/DAB+ or FM Radio has poor reception

• Adjust the length and/or direction of the antenna to increase FM signal reception.

• Check that you do not have other electrical equipment too close to your radio, causing interference.

• Weak radio signal in this location – the closer to windows the stronger the signal will be.

• The radio playback sound is muted, tune the Volume/OK to turn the sound back on.

21 Technical Specification

A/C Adaptor Power Input: 100 – 240 Volts 50/60 Hz 0.2 Amp DC Power Input: 6 Volts 1.3 Amp Battery supply: 4 x C size batteries (not included) Remote Controller: 2 x AAA Battery (not included)

Wi-Fi Wireless Network: IEEE 802.11b/g/n (5 GHz only version ac – not supported) Frequency: 2.4 GHz Security: WEP, WPA, WPA2

Bluetooth Version: V4.2 BR, EDR Compliant Frequency: 2.4 GHz Range: 32 Feet (10 meters) Line of sight Transmit Power: 0 dBm Receive only (not for headphones)

FM Radio Frequency: 87.5 – 108 MHz DAB+/DAB: 174.928MHz(5A)- 239.200MHz(13F) Not available in USA or Canada

Audio File Streaming Formats UPnP: MP3, AAC, AAC+, FLAC

USB-disc Formats:MP3

Dimension: 198 x 233 x 128.5 mm Weight: 1 Kgs

Specifications may change without notice

In the box

- * Internet Radio
- * Power adaptor
- * Remote control (without batteries)
- * User manual

WEEE and Recycling



The European laws no longer allow the disposal of old or defective electric or electronic devices with the household waste. Return your product to a municipal collection point for recycling to dispose of it. This system is financed by the industry and ensures environmentally responsible disposal and the recycling of valuable raw materials.

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