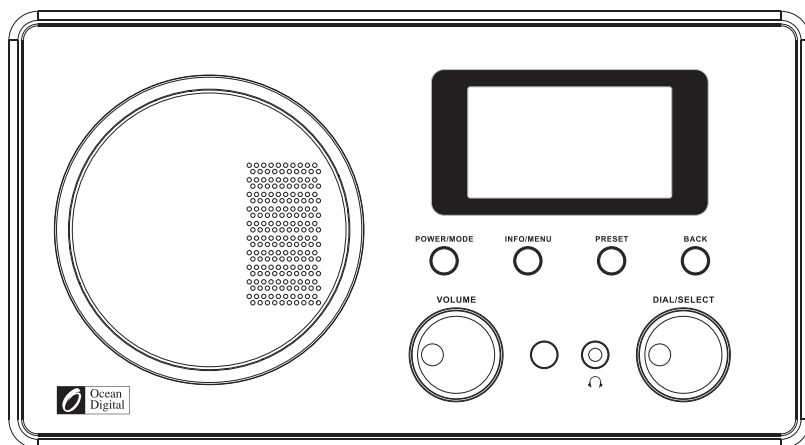




User Manual

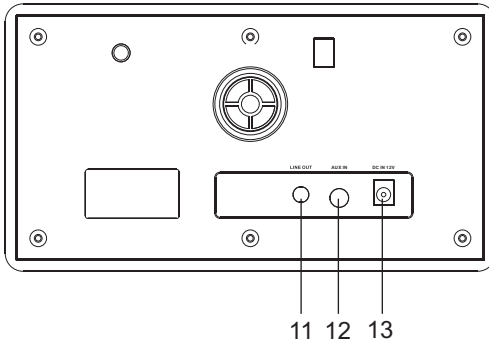
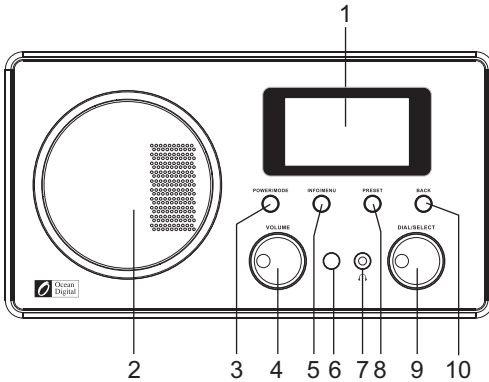
Internet Radio



WR-282

Please read this user manual carefully before using the receiver.

Location of Controls



1. LCD display

2. Speaker

3. Power/ Mode:

Press and hold the button to turn on the radio, or turn it off (switch to Standby). Press the button briefly to switch between Internet Radio and Media Player mode

4. Volume Control

5. Info/Menu:

<Internet Radio> mode:

- Press and hold the button to enter the Internet radio menu
- Press the button briefly each time to see more information for the playing radio station

<Media Player> mode:

- Press and hold the button to enter into Media player menu
- Press the button briefly each time to see more information for the playing track of song

6. Infrared Remote sensor

7. Earphone socket

8. Preset:

- Press and hold the button to enter the "Save Preset" list
- Press the button briefly to "Recall the Preset"

9. Dial/Select:

- Rotate the button to scroll up and down on the menu
- Push down the button to confirm selection

10. Back:

Press this button to return to the previous mode

11. Line out socket:

Connect external powered speakers with 3.5 mm plug or RCA adaptor

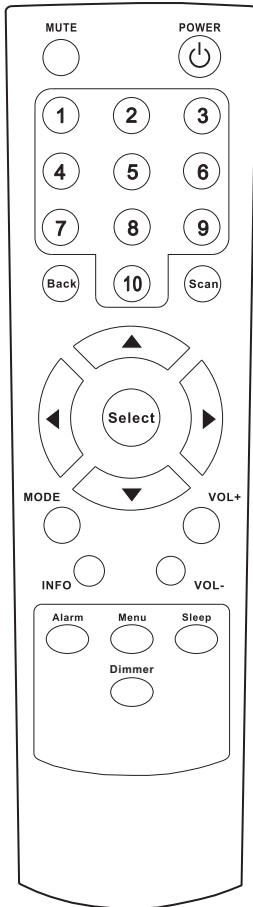
12. Aux-In socket

Connect with 3.5mm aux-in cable

13. DC IN 12V Socket:

Connect with the AC adaptor supplied in the package

Remote controller



Power: Turn on the Radio or turn off the radio to Standby

Mute: Press to mute the voice

1-10: To store and recall 10 preset stations. Press and hold the button to store the station. Press once to recall the station.

Back: Return to previous mode or last display

Scan: Enter the menu of Internet radio of Media Player

▲ / ▼ Scroll up and down on the menu

◀ / ▶ Select the previous or next song under Media Player

Select: Press to select an option

Mode: Switch between Internet Radio and Media Player

Info: To view the detailed information of the currently playing radio station or music streamed from PC

+ VOL -: Use to adjust the volume

Alarm: To set the Alarm on the radio

Menu: Press to enter the main menu

Sleep: Set the sleep timer of the radio

Dimmer: Press to light the backlight, press again to disable it



If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste.

Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)

Before you start

Please ensure the following is ready:

- You have a broadband internet connection.
- A wireless broadband router is connected to the internet successfully.
The radio supports Wireless B, G connection (Wireless N router can also be used with the setting on B or G).
- You know the Wired Equivalent Privacy (WEP) or Wi-Fi Protected Access (WPA) data encryption code/password. You need to key in the correct code when the radio is connected to the wireless router for network connection.
If you do not know the code/password, please contact the person /technician who set up the router/network for you.
- The radio can work via Wireless network connection (Wi-Fi connection)

Precautions

- The radio should not be used in a high temperature or high humidity environment over prolonged periods of time as this may damage the unit.
- Keep the radio away from liquids as it may get damaged. Please switch off the radio immediately if water or liquids is spilled into the radio. Consult with the shop you bought this radio for any question.
- Avoid using or storing the unit in dusty or sandy environment.
- Do not open and repair the radio by yourself.
- Use only the AC adaptor supplied with the radio.
Connecting a power supply with a different rating will cause permanent damage to the radio and may be hazardous.
- Clean only with dry cloth.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD,
DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE RADIO BACK. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THE LIGHTNING FLASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE RADIO.



THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THIS RADIO.

Power up the radio

Connect the AC adaptor supplied with the radio to the DC jack at the back of the radio. The radio will power up automatically and the display on the front will light up and show:

Welcome Internet Radio STARTING ..
--

Then it will display the following screen:

Setup Wizard
Start now?
<input checked="" type="button" value="Yes"/> <input type="button" value="NO"/>

Select YES to start the wizard, select No to set up manually. If you select YES, you will start setting the date and time, choosing the 12 or 24 hour format, update the time from Network (we recommend to choose this option) or you can select to set the time manually by selecting No Update.

Date/Time
12/24 hour format
<input checked="" type="button" value="12"/> <input type="button" value="24"/>

Auto update
Update from network *
<input type="button" value="No Update"/>

It will then prompt you to Set the Timezone, select the Timezone in your country, then select if Daylight Saving is applicable:

Set timezone
UTC -07:30: UTC -07:00: UTC -06:30: UTC -06:00: Central Tim.... UTC -05:30:

Daylight savings
Daylight savings
<input checked="" type="button" value="ON"/> <input type="button" value="OFF #"/>

Then choose the WLAN Region

Wlan region
Most of Europe USA Canada Spain France

Connecting to the Wireless (Wi-Fi) Network

The radio will search the wireless networks which are available and display a list of the SSID (name of the wireless router) that can be searched on the network. Select your SSID by pressing the Select button:

SSID
ARISAWA LINKSYS NETGEAR D-LINK SINCERE

Then you need to enter the encryption password to access the wireless router, they are the Wired Equivalent Privacy (WEP) or Wi-Fi Protected Access (WPA).


To enter the code, rotate the <Dial/Select> knob to select each character of the code in turn. To select the character, push down the <Select> button to confirm. If you want to make correction, scroll to the tab BKSP to erase the character that you just entered. Once it is completed, rotate the dial knob to the OK tab then push down the <Select> button to save the key.

☰ Key:	
P@s5W	
0 1 2 3 4 5 6 7 8 9 . , a b	BKSP
c d e f g h i j k l m n o p q	OK
r s t u v w x y z A B C D E F	
G H I J K L M N O P Q R S T U	CANCEL

The radio will start connecting to the network:

☰ Network settings
Please wait Connecting. ↴

If the connection is successful, the following screen will appear.

☰
 Connected

If connection is failed, the radio returns to the password entry screen. If the network connection is lost, the radio automatically tries to reconnect.

Setting of the Radio

After the wireless network is connected successfully, it will enter the main menu automatically. Go to System Setting to do other setting of your radio:

System Settings
Network
Time Date
Language
Factory reset
Software update

<Network> Internet Wizard

To scan out the available wireless network, you can select your wireless network to connect according to the steps described above. You can select **[Wired]** from the menu as below, to connect Internet through Wired connection. Please ensure the LAN cable has been connected to the Ethernet port at the back of the radio. Then select Wired on the menu below:

SSID
ARISAWA
LINKSYS
[Rescan]
[Wired]
[Manual config]

The radio is defaulted with **<DHCP>** for your network. If your network is not using DHCP configuration, please choose **[Manual config]** to do it manually by entering your network IP address, Network Mask, Gateway address and DNS address.

Note: If you are not sure if your network is using DHCP or not, please contact your ISP to verify.

Network wizard

Press to scan for all the available Wifi networks

PBC Wlan setup

If your wireless network router is using the WPS configuration, you can select this option to do the connection.

View setting

This is to view your current network setting of your radio.

Wlan region

To select the Wlan region for your radio.

Manual Settings

You can select Wired or Wireless internet connection.

Network Profile

The radio can save up to 4 wireless network setting. You can view the networks and delete unwanted network.

Hold "Info/Menu" back to the main menu, the "System settings" allows you to configure the settings for the radio as below:

<Equaliser>

User can set the radio with different EQs, such as Normal, Classic, Jazz, Pop, Rock and Speech, and user can set "My EQ" according to their preference.

<Time/ Date>

You can always set the Time and Date by choosing this option.

<Language>

There are 11 languages available to display on your radio.

<Factory reset>

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

<Software update>

From time to time, we may make software upgrades available with bug fixes and/or additional features. You can either check manually, or set the radio to check periodically automatically (this is the default). If it detects that newer software is available, it will ask if you want to go ahead with an update. If you agree, the new software is then downloaded and installed. After a software upgrade, all user settings are maintained.

Before starting a software upgrade, ensure that the radio is plugged into a stable mains power connection.

<Setup Wizard>

Choosing this option will guide you to run the network setup from the beginning

<Info>

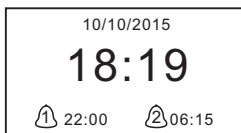
This is to show the software version and Radio ID for your radio

This information is useful for you when you need to report any technical issues to the help centre, you will be asked for these information.

Turning on/off the Radio

To turn OFF the radio to Standby, press and hold the **Power/Mode** button. It will switch to Standby.

It will display the clock and alarm time if it is set.

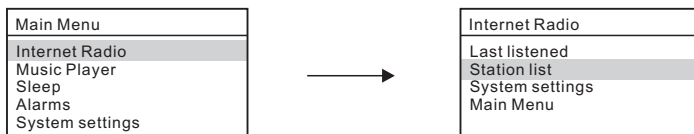


To turn it ON again, do the same by pressing and holding the Power/Mode button.

Internet radio Mode

You can enjoy thousands of radio stations in the world.

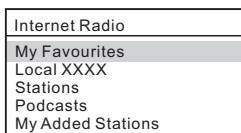
Return to the main menu, select Internet Radio and choose Station List



Then it will enter into the sub menu of the Internet radio and classify into different categories:

<My Favorites>

This option can be used after you register your radio on the Portal www.wifiradio-frontier.com
See below more details under **Internet Radio Portal Registration** to personalize your radio.

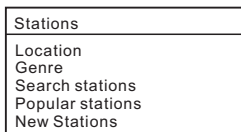


<Local XXXX >

The radio will categorize the radio stations in your country. You can enjoy listen to the radio stations in your country instantly by selecting this option.

<Stations >

Choose this option to select radio stations in worldwide. It will be classified as Location, Genre, Search stations...



<Podcasts >

There are thousands of Podcasts available for you to choose from. Select this option to choose your favorite program to listen.


<My Added Stations>

If you have found a station that is not in our list, you can add it yourself. It will then display the new added stations under this option. For detailed operation, please see below section under **Internet Radio Portal Registration**.

<Help>

To register on the Radio Portal, you will need an Access code. Get the code from this Help option.

You can also get some FAQ from here.

 Get access code
Access code LCCW52X

Listening to Internet Radio station

Choose your favorite station from different categories to start enjoying the music:

Internet Radio	12:11
977 80s Genre: Oldies Show country: Internet Only	

Press the **Info/Menu** button briefly each time, it will display different information about the radio station:

Description, format/location, reliability, bit Rate/codec/sampling rate, Playback Buffer and Today's Date.

Rotate the Volume knob to adjust your prefer volume level.

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

Preset of stations

The radio can store maximum 10 presets of stations.

Press and hold the Preset button to enter the preset menu, then press the Select button to confirm.

The Preset Stored message will appear.

To recall the station, press the Preset button briefly to enter the preset list, then choose the station that you would like to listen.

The Preset number will appear at the bottom of the display.

Internet Radio	12:11
977 80s Genre: Oldies Show country: Only	
	P1

Last listened stations

The radio stores your last listened radio stations, you can choose this option from the **Internet Radio main menu** to view the last listened station list. You can simply **Press and hold the Info/Menu button** to go back to the Internet Radio menu :

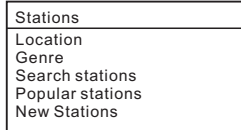
Internet Radio	12:11
Last listened Station list System settings Main Menu	

Most recent stations appear at the top of the list. When Internet radio mode restarts, the last-listened station is selected directly.

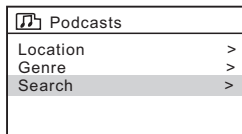
Radio Search

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

Press and hold the **Info/Menu** button, then go to **Station List> Stations> Search Stations**



Enter a keyword by selecting characters, then select OK. The search entry operation is similar to entering the encryption password for the wireless network.



Listening to the Media Player

You can stream the music from the **UPnP device** from your PC.

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

UPnP media sharing allows devices like the radio to play music from a shared media library, navigating through tag menus such as Artist, Album or Genre. If you are running a suitable server system such as a PC with Windows Media Player 11 or later (WMP), and your music library is well-tagged, then it is recommended to use media sharing. Only the UPnP server needs to be set up.

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

<Sharing media with Windows Media Player (WMP)>

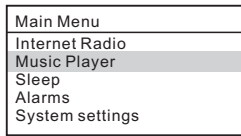
The most common UPnP server is Windows Media Player (11 or later). Windows Media Player 11 may be downloaded from Microsoft's website and install by following the instructions detailed in its installation wizard.

To set up WMP for media sharing, perform the following steps:

- 1 Ensure the PC is connected to the same network as your radio.
- 2 Ensure the radio is powered on.
- 3 In WMP, add to the media library the audio files and folders you want to share with the radio (select ' Library > Add to Library > Advanced Options > Add. Choose the files you wish to add and click ' OK.
- 4 You will now need to connect your Internet radio to Windows Media Player 11, and configure it to allow the radio to access your media library. In order to do this, you will need to do the following:

If you are already listening on the Internet radio, use the Back button to exit and choose **Main Menu**.

On the main menu of the radio, select **Media Player**, or simply by pressing the **Power/Mode** button briefly to switch to **Media Player** mode:

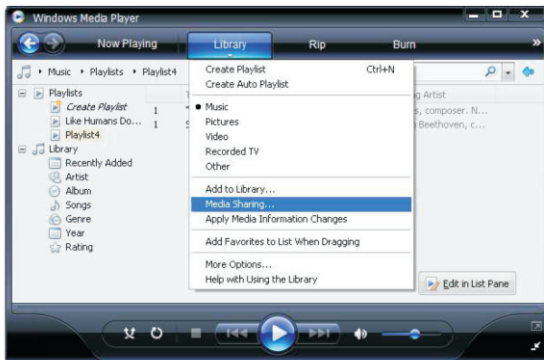


Choose the **Shared Media** and choose the name of the shared PC.

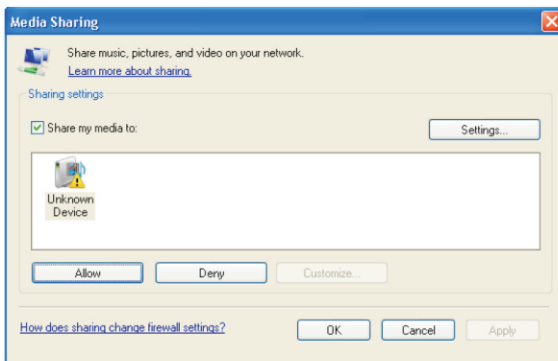
(Note, your radio will display 'Access Denied' at this stage).

Your PC will now prompt you that a device has attempted to connect to your UPnP server. In order to allow the radio to have access to the media files, you need to click the **Library** tab from Windows Media Player 11 and select the Media Sharing to open the '**Media Sharing**' window.

Selecting 'Media Sharing...' for Windows Media Player11:



5. From the **Media Sharing** windows, the radio will be listed as an unknown device. Click on the unknown device listed, then click the **Allow** and then click **OK** to allow the Radio to Connect:



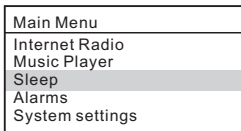
Your radio is now ready to stream music from your PC. Select the preferred music from the list.

While the track is playing, the screen shows its track and artist (UPnP) or file name and folder.

To view further information about the stream, press **Info/Menu** button briefly each time, you can view more information such as artist, album, bit rate/codec/sampling rate, playback buffer and today's date.

Setting Sleep Timer

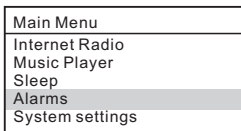
To set the sleep timer, choose **Sleep** from the main menu.



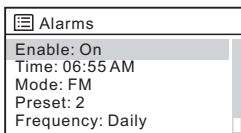
Rotate the Dial/Select button to choose from Sleep OFF, 15 MINS, 30 MINS, 45 MINS or 60 MINS, select the prefer timer, it will then return to the previous display.

Setting Alarms

Choose Alarms from the Main menu, you can set 2 alarms on the radio.



There are 2 modes of Alarm, Wake to radio or Wake to buzzer. You can set the frequency of the Alarm to Daily, Once, Weekends or Weekdays. After the setting is done, select **SAVE** to save the setting.

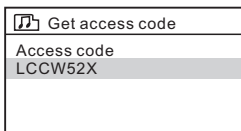


After the alarm is set, the display will show at the bottom of the display



Internet Radio Portal Registration

You can personalize your radio after you register your radio on the radio Portal. Go to www.wifiradio-frontier.com



To register your internet radio with the Portal, please get the access code from the path below:
 On the **Internet Radio Main menu > Station list > Help > Get access code**
 You need to be a member of the Radio Portal in order to do registration.
 Go to **“Register here”** at the left under Member Login section. Then you will be requested to
 key in the Access code and provide your email address to complete the registration.

My Favorites

Once the registration is done, you are now ready to add your favorite station to your radio on the portal, to create your favorite list of stations.

The favorite list will show on the radio, under **My favorites** on the menu:

Internet Radio
My Favourites
Local XXXX
Stations
Podcasts
My Added Stations

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

My Added Stations

If you have found a station that is not in our list, you can add it yourself on the Portal.

Choose **My Added Stations** on the Portal, you will be requested to fill in the radio station name, URL..etc. in order to add the radio.

You can always go back to the Radio Portal to update your favorite list and personalize your radio any time to make the most enjoyable list that suits you.

Aux In

You can enjoy the music from other audio devices by connecting the audio cable to the AUX IN connector at the rear of the unit, such as mobile phone, MP3 player, etc.

DLNA

The internet radio supports DLNA, It allows you to stream music from other devices which has DLNA feature to listen on this internet radio, provided that the Internet radio and other DLNA devices are under the same Wi-Fi network.

The radio will appear as “Ocean Digital WR-282” when you try to search it on other devices.

Please note: The WR-282 DLNA feature is compatible and works with corresponding Android APPS. Apple devices are not supported.

Trouble Shooting

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 radio MAC address from Info/Menu > System Settings > Network > View Settings and add to router list. Note: The radio 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. The radio supports WEP, WPA, WPA2
	Unusual network configuration	Setup network manually through Menu > System settings > Network > Manual settings
	Firewall preventing access	Check the following ports are open: 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.
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.