



User Manual

Internet Radio



WR-80

Please read this user manual carefully before using the receiver.

CAUTION

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



WARNING :
To reduce the risk of electric shock do not remove cover (or back). No user serviceable parts are 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 (servicing) instructions in the literature accompanying the appliance.

Welcome

Thank you for purchasing Internet Radio. Your Internet Radios designed as a digital music radio to add to your existing Audio system and to provide you with hours of music enjoyment with simple, convenient access to thousands of Internet radio stations worldwide and furthermore music streaming options.

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Package contents

Please make sure that the following contents are included in the package:

1. Internet Radio
2. Power supply
3. Remote control
4. Radio User Manual



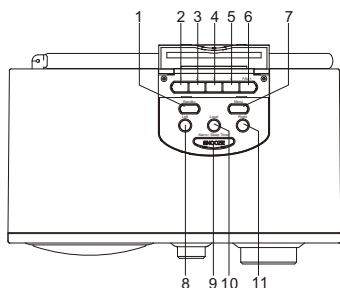
Before you start

Before you can use your internet radio and/or the music streaming function , you need the following:

1. A broadband internet connection.
2. A wireless access point connected to your broadband internet. Via a router is recommended.
3. If your wireless network is configured to use WEP (Wired Equivalent Privacy) or WPA (Wi-Fi Protected Access) data encryption, it is important that you know your WEP or WPA code to connect to your network.
4. PC
 - Windows Media Player (WMP) 11 can be set up to enable streaming music files from the PC to the radio.
 - The PC can also be used to customise the radio's favourite

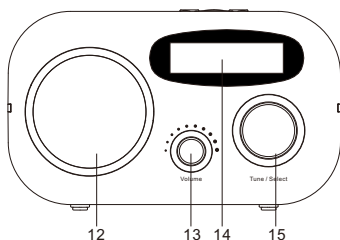
Location of Controls

Top



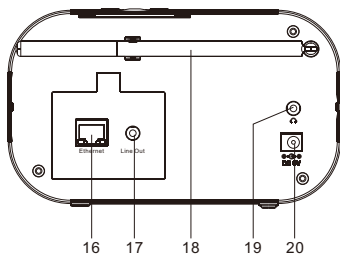
1. **Standby**
- Press to turn on the radio / standby
- 2-5. **Dedicated favourite keys no. 1-4**
Long press to preset; short press to recall
6. **FAV**
- Long press to add to favorite list; Short press to recall list of favorite stations
7. **Menu** – Press to main menu

Front



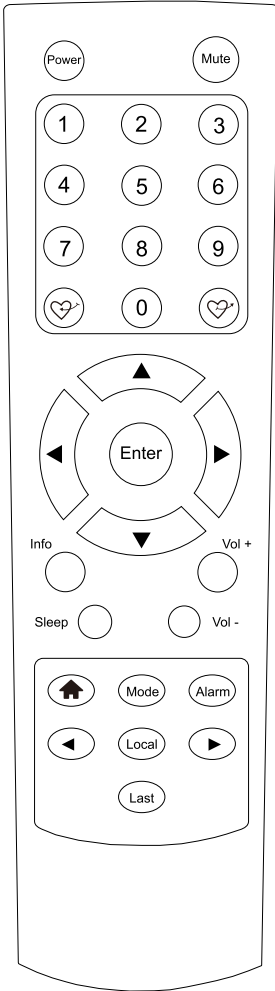
8. **Left**
- Back to previous menu
- Left cursor
9. **Alarm / Sleep Timer / Snooze**
- Press briefly to set the Sleep Timer
- Long pressing to set Alarm
- When alarm sounds, press to delay the alarm for 9 minutes
10. **Local**
- Quick access the local station in your country
11. **Right**
- Right cursor
- Under Favorite list, press to enter the edit menu

Back



12. **Speaker**
13. **Volume control**
14. **LCD display**
- On Standby mode, rotate the Tune/Select knob to adjust the brightness level
15. **Tune / Select / OK control**
- Rotate to tune and push to select / OK
16. **Ethernet port**
- plug in the LAN cable and the radio will switch to Ethernet from Wi-Fi in seconds
17. **3.5 mm Line out jack**
18. **Telescopic antenna for FM**
19. **3.5 mm Earphone jack**
20. **DC jack 5V IN**

Remote Control



1. **Power:** Standby on/off
2. **Mute:** Speaker on/off
3. **0-9:** Input numbers for encryption code, recall favorite stations, enter index number to select item from the list.
Toggle the same numeric key gives you a choice to input letters
4. : Return to Main Menu
5. **Mode:** Switch between Internet radio/FM Radio / Media Centre
6. **Alarm:** Alarm Setting
7. : Preset the current playing station to Favorite
8. : Recall the favorite list
9. **Local:** Access radio stations in your local country
10. **Last:** Switch between the current listening station and the last listened station
11. : Cursor up
12. : Cursor down
13. : Cursor left/Back
14. : Cursor right
15. **Info:** Quick access the network and system information
16. **Enter:** Confirm selection
17. : Next (next item in the list: next Favourite station, next FM preset, next track)
18. : Previous (Previous item in the list: previous Favourite station, previous FM preset, previous track)
19. **Volume +:** Increase volume
20. **Volume -:** Decrease volume
21. **Sleep:** Sleep Timer setting

Enter encryption code of the Wi-Fi router

Using remote control

When you want to enter the letters, numbers or symbols for the encryption code, using remote control would be easy to complete the job.

Here is the definition of each key and press the same button to cycling through different letters / symbol available

After each entry, press the right key to input the next. When it is done, press Enter to confirm.

Key 1: 1 and different kind of symbols !@#%\$^&*()_+[]{};:'"\|,./<>?

Key 2: 2ABCabc

Key 3: 3DEFdef

Key 4: 4GHIghi

Key 5: 5JKLjkl

Key 6: 6MNOnno

Key 7: 7PQRSpqrs

Key 8: 8TUVtuv

Key 9: 9WXYZwxyz

Key 0: 0

Using buttons on the radio

Use the Dial control to scroll through the letters or symbols, press right key to input the next entry. Press the Dial knob when it is done.

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: 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.



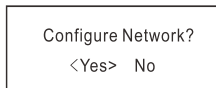
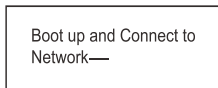
THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THIS RADIO.

Connect the radio with your Wi-Fi Router

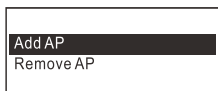
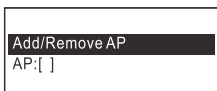
1. Use the AC adaptor supplied with the product, one end to the DC socket located at the rear side of the radio and the other end to the wall socket outlet.

Caution: Use only the adaptor supplied with the radio. Connecting a power supply with a different rating will cause permanent damage to the radio and may be hazardous.

2. The radio will power on and display as follow. Choose <Yes> to start configuring network.



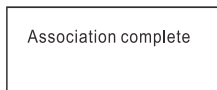
3. Select <Add/Remove AP> and <Add AP>:



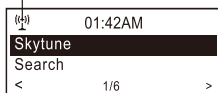
4. It will start scanning the available AP (Access points /Wi-Fi routers) nearby. Choose to connect your AP and enter the encryption code. Press 'Enter' to confirm.

Remark: The encryption codes are case sensitive to upper and lower case.

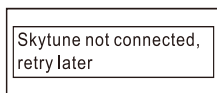
5. When the Wi-Fi connection is done, the display shows:



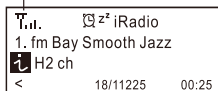
When this symbol appears, the radio is trying to connect to the Wi-Fi network



If you try to select Skytune when the Wi-Fi network is not connected, it will show the message below:

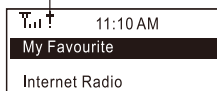


After the Wi-Fi network is connected, you will see the Wi-Fi signal bar here.




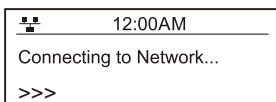
When the "No internet warning icon" appears, it means the WiFi connection is there but there is problem in the internet connection. Please check your internet connection if this icon appears.

No internet warning icon




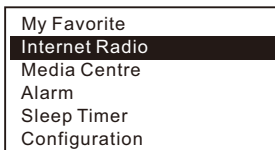
Ethernet connection

If you want to connect the internet via Ethernet, simply plug in the Ethernet cable to the Ethernet socket at the rear side of the radio, you will see the Ethernet icon  starts blinking, it's now connecting to the network. Once the icon goes steady, it means the network is connected.



Start using internet radio

Press **<Menu>** to return to the main menu or the  key on the remote controller. You will see the item list below:



<My Favorite>- To show the list of favorite stations which have been assigned to the presets. There are up to 99 presets available.

<Internet Radio>- Start exploring the worldwide radio stations and music here

<Media Centre>- Music streams from the UPnP servers/ devices under the same Wi-Fi network

<FM Radio> - Listen to FM

Long pressing the Left or Right button, the radio will seek the next available station. If you want to fine tune the frequency, press the up / down button on the remote control or rotate the rotary knob on the unit.

We recommend to do the "FM Preset Scan" under configuration to auto scan the radio stations. Please see the FM radio section for more details.

When listening to FM radio, you can press the **<Tune/Select>** rotary knob to mute the sound or **<Enter>** on the remote control

<Alarm>- Setting of Alarms

<Sleep Timer>- You can set the timer to turn the radio standby after certain time elapsed

<Configuration>- More settings available for you to configure the radio as you desire



My Favorite

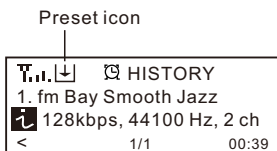
This is to show the list of your Favorite stations.

■ Stored a station to the Favourite list

There are 4 dedicated preset buttons on the radio allows to access the top 4 favorite stations.

The radio can store up to 99 preset stations for each Internet radio and FM radio.


While you are playing a radio station, press the  button on the remote control or long press the <FAV> key on the unit, you will see the  icon appears as below. It means the station is added to the Favorite list.



The new added station will always show in the last item on the Favorite list.

You can store up to 99 presets

■ Recall a station

To recall the full list of your Favorite station, simply press the <FAV> button on the radio or use the remote control button .

You can enter the Index number to quickly scroll to the radio station you want to listen.

e.g., on the remote control, press 2 8 and <Enter>, it will scroll to the station no. 28.

■ Edit your favorite list

On the Favorite list, choose the radio station you want to edit then press the right → key on the remote controller. It will enter the Edit menu with the following options:

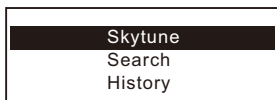
Move down – To move down the ranking of a station

Move up – To move up the ranking of a station

Delete – To delete a particular station

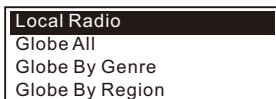
Internet Radio

On the main menu, choose <Internet Radio> and you will find the options below:



Skytune

Select Skytune to start enjoying thousands of radio stations over the world. You can filter your search by Region, Music genre and talks. The **<Local Radio>** let you access quickly the stations available in your local area.



You can change the Local Radio area under **Configuration > Local radio**.

Search

Instead of browsing the radio station list, you can access the desired station by performing search and input the name of the station.

History

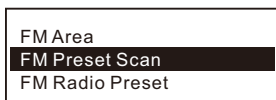
The radio will memorize the stations you have listened on the radio. It can memorize up to 99 stations.

If you have listened more than 99 stations, it will supersede the first station that you have listened.

FM Radio

Before listening to FM, we suggest to do the configuration first before switching to the FM radio mode. Extend the FM antenna as far as it can go to ensure the best reception.

Go to Configuration > FM Setup, you will find the following options:

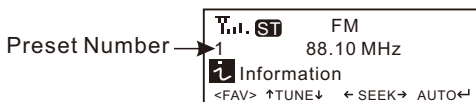


<FM Area> - select the suitable range of FM frequency corresponds to your local area.

<FM Preset Scan> - It will auto scan all the available stations to form a preset list, then you can simply choose from the presets to add to the Favourite list.

<FM Radio Preset> - After the preset scan is done, you can view the preset list here.

Switch the radio mode to FM, press the right or left button on the radio and it will scan to the next/ previous preset available provided that the FM Preset Scan has been done. You can then add to Favourite list if you want by long pressing the FAV button on the radio.



In case you cannot find your favourite stations from the preset, long press

the Right or left button to start seeking the next available station, or rotate the tuning knob to fine tune the frequency.

Note: In case of poor reception, please try to place your radio close to the window or more open area.

Media Centre

UPnP (Universal Plug and Play)

You can stream music from the Networked device which supports UPnP function to the radio to play.

For instance, most of the latest computer laptop supports UPnP, and you can stream music from Windows Media Player application on the computer and listen on your radio.



Please make sure your computer laptop is on the same Wi-Fi network as the Radio before you start using this function

1. If your PC is running Microsoft Windows XP, then you can use Windows Media Player 11(WMP11) to act as your UPnP (Universal Plug and Play) media server. (For Windows 7 or above, please download the correspond version of Windows Media Player). The latest Windows Media Player may be downloaded from Microsoft's website and install by following the instructions detailed in its installation wizard.

2. Once installed, Windows Media Player will create a library from all the media files available to it on your PC.

2.1 Windows XP / Windows Media 11

2.1.1 To add new media files to the library, select 'File > Add to Library...> Advanced Options', Click 'Add' and choose the files you wish to add and click 'OK'.

2.1.2 Now you 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 this, you will need to do the following:

a. On the radio, go to the main menu and select <Media Centre> <UPnP>.

b. It will scan for all available UPnP servers. Note, this may take a few seconds for the radio to complete its scan and before the scan has completed, the radio will display '[Empty]'. The radio will continue to display '[Empty]' if no UPnP servers and found.

c. After a successful scan. Select your UPnP server, by rotating the dial if there is more than one UPnP server, and then press SELECT.

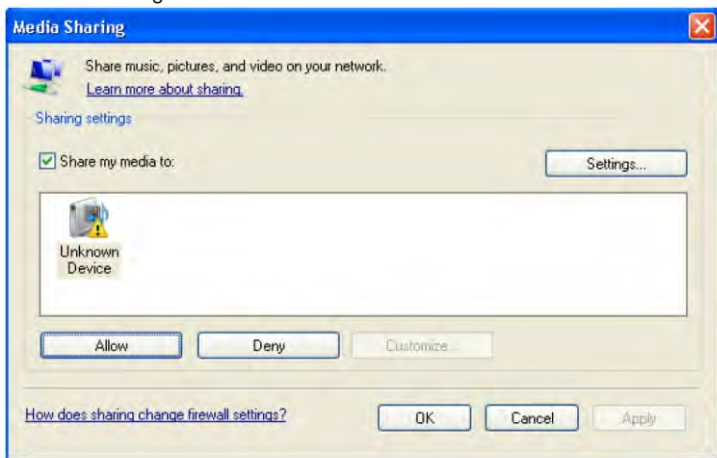
2.1.3 Your PC will now prompt you that a device has attempted to connect to your UPnP server. In order to allow the radio to have access to the media files, you will need to click the 'Library' tab from Windows Media Player 11 and select the <Media Sharing> item to open the 'Media Sharing' window.

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



2.1.4 From the 'Media Sharing' windows, the radio will be listed as an unknown device. Click on the unknown device listed, then click the 'Allow' button and then click 'OK'.

Allowing the Radio to Connect:

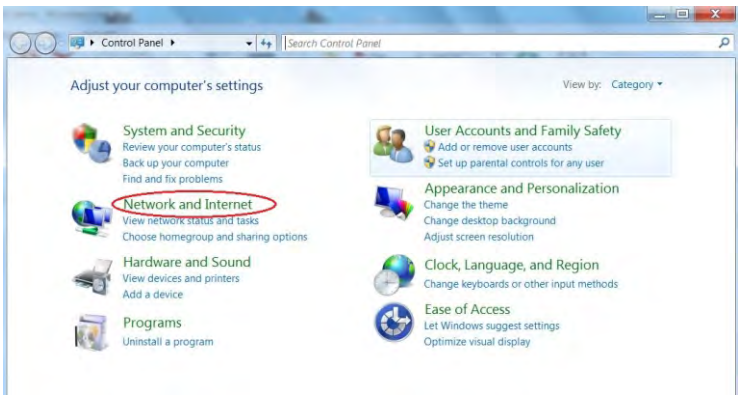


2.2 Windows 7 / Windows Media Player 12

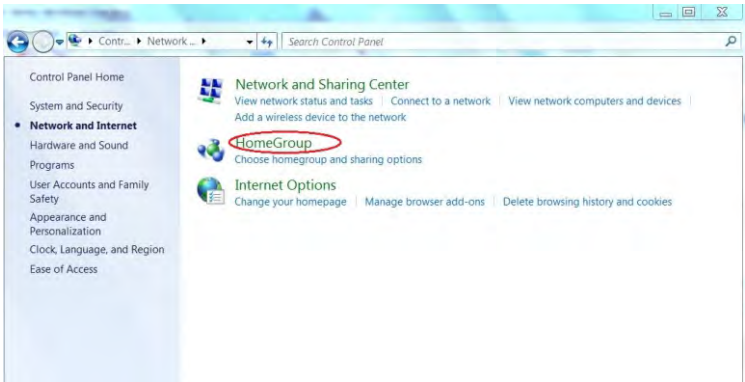
2.2.1 If you are using WMP 12, simply go to <File> and choose <Open> to retrieve the music files you would like to add to library.

2.2.2 Windows 7 or above requires the PC to be set as Home network and also with the Homegroup enabled to allow devices to access/play the media files on your Windows Media Player. Please find the steps below:

1) Go to <Control Panel>, select <Network and Internet>



ii) Choose <HomeGroup>



iii) Set the network location



iv) Choose Home network

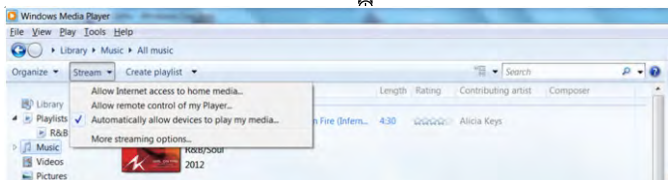


v) Create a homegroup, then choose the kind of media file to be accessed, such as music..etc.



vi) Launch the Windows Media Player, select <Stream> and choose <Automatically allow devices to play my media> from the drop down list.

vii) You can now enjoy the music streaming from the windows media player.



Music streaming via UPnP

1. Once the UPnP server is configured to share media files with your radio, you can start music streaming.
2. On the main menu, select <Media Centre> and choose <UPnP>
3. It may take a few seconds for the radio to complete the scan for available UPnP servers. If no UPnP servers are found, it will show <Empty List>.
4. After a successful scan is done, select your UPnP server.
5. The radio will show the media categories available from the UPnP server, e.g. 'Music', 'Playlists' etc.
6. Choose the media files that you wish to play.



You can set the mode of playback under <Configuration → Playback setup>.

My Playlist

You can make your own playlist for the UPnP music files. Choose the song you want to add to playlist, long pressing the Dial until the sign appears. The song will be added to "My playlist". You can add up to 99 songs to "My Playlist".



The UPnP playlist will be erased when the radio is powered off.

Clear My Playlist

Remove all songs in "My Playlist" to allow a new playlist to be prepared.

Alarm Setting

1. Choose <Alarm> from the main menu or press the <Alarm> button on the remote controller.
2. Select either Alarm 1 or Alarm 2, and choose <Turn on> to activate the Alarm.
3. Follow the alarm wizard instructions to set the alarm.

The wizard will guide you through the settings below:

Time – Set the time for the alarm

Sound – You can choose <Wake to Radio> or <Wake to Melody> for the alarm sound.


■ Wake to Radio – only the preset stations can be used for the radio alarm (stations from Favorite list).

Please preset your favorite station before setting the alarm.

■ Wake to Melody- The Melody is default by system.

Repeat – You can schedule the alarm as you desire – Everyday, Once or multiple days.

Alarm Volume – Adjust the volume of the alarm as you like by rotating the dial.

4. After the above settings are completed, press the left ← button to exit and make sure the Alarm is turned on. You will see the Alarm icon  appeared on the display if it is activated.


5. Press the Tune/Select Knob to stop the Alarm

Snooze

The alarm sounds every 9 minutes when the snooze button is pressed. Long pressing the “Snooze” button for 2 seconds to cancel the Snooze function.

Sleep Timer Setting

You can set the timer to let the radio go standby after certain time elapsed in the range of 15 minutes to 180 minutes.

You can press <Sleep> button on the remote controller to set the timer. You will see the icon  appeared on the display if the timer is set.



Configuration

Network

There are two options under this setting: Wi-Fi Network and Wi-Fi Channels

Wi-Fi Network

■ Add / Remove AP

Add AP – It will scan out a list of routers available nearby

Remove AP – If you have already added a router and want to remove it, choose this option.

■ AP: []

If you have added more than one routers on the radio and want to switch to another one, select this option to change.

■ Signal

This is to show the strength of the Wi-Fi Signal of the Wi-Fi router as received by the radio. Usually signal levels lower than -70dBm is at weaker level and if it affects the reception of your radio, you may need to optimize the router location or check any problem of the router itself.

■ IP

The IP is set <Dynamic> by default. Select to change <Fixed> IP according to your network condition.

■ DNS

The DNS is set <Dynamic> by default. Select to change <Fixed> DNS according to your network condition.

Wi-Fi Channels

Not all of the Wi-Fi channels are available in every country. There may be variation between different countries. Therefore it is necessary to choose the Wi-Fi channels to ensure the Wi-Fi performs satisfactory.

We have already set the channels according to the requirement in different countries. Choose the country you are staying from the list to get the correct channel.

The <Europe/United Kingdom> is set by default, press <Enter> on the Remote controller or push the <Dial> to edit the country selection.

Date and Time

The radio will set your local time automatically after wifi connection. You can choose to manual set the time if you want. Press the <Tune/Select> rotary knob to enter into menu, then choose manual set time zone.

Language

English, German and Simplified Chinese, French, Spanish and Italian are available

FM Setup

This is to choose the corresponding FM frequency from America, Europe, Japan and East Europe.

You can perform the FM preset scan here. It will scan out all the available FM stations and store into Presets. You can then choose the favourite preset and add to your Favourite list.

Local Radio

The radio will detect the radio stations in your local area automatically. When you press the <Local> button on the radio, you can access the local radio stations right away, or select <Local Radio> under the Skytune menu.

You can also set the Local with other country if you want. Go to <Configuration>, choose <Local Radio> and select <Manual –set Local Radio> to set other region.

Playback Setup

This is to set the mode of playback under UPnP streaming: Repeat All, Repeat Once or Shuffle.

DLNA Setup

Our radio supports streaming from DLNA devices and you can rename your radio for easy recognition by the DLNA servers.

Resume when Power on

You can enable this function so that the radio will connect to the last listened station automatically when the radio is power on. This function is set to ON by default.

Dimmer

You can set the display backlight level as you prefer.

There are two settings available: Mode and Level

■ Mode: Normal or Dim

Normal – the display will stay with the same level of brightness all the time without dim down.

Dim – the display will dim down after 15 seconds if no operation is made on the radio.

■ Level: Bright and Dim

Bright - the display will stay at the selected level when there is operation on the radio or if the mode is selected in <Normal> as described above.

Dim - the display will dim to the selected level when <Dim> mode is selected.

■ Dimmer on Standby

When the radio is on Standby, rotate the Tune/Select knob to adjust your prefer brightness level which you feel comfortable especially during night time.

EQ

There are different sound effects available. The Flat is set by default.


Buffer Time

Sometimes you may experience uneven playback of the internet radio. This can happen if the internet connection is slow or network congestion occurs. To help improving the situation, you can choose longer buffer time to get a few seconds of radio stream before beginning to play. The default value is 2 seconds. You can choose 5 seconds if you prefer to have a longer buffering time.

Information

View the Network and System Information of your radio.

To access quickly to this information, press the <Info> button on the remote controller.

 *When you use your PC to manage the My favorite stations, you have to use the IP address and you can view this info from here. Then type in the IP address (Configuration>Info>Network>IP) to your PC's browser input window*

Software Update

There may be software release to upgrade features of the radio time to time.

Check the update regularly to keep your radio up to date with the latest software.

Reset to Default

You can do the reset to clear all the settings and return to default settings.

**** Please note all the Station presets, Settings and configuration will be lost after you have performed the Reset.**

Add your favorite URL

You can add your favorite radio station if you know the published URL of the radio.

We provide an embedded server for your radio and you can manage your favorite stations anytime to add or edit the list. Follow the steps below to access the embedded server:

1. Connect your PC to the same Wi-Fi network as your radio.
2. Locate the IP address in either way as follow:
 - Press the <Info> button on the remote controller, choose <Network> and scroll to <IP> to view the IP address
 - On the main menu, go to Configuration > Information > Network > IP
3. Open the web browser (we support Internet Explorer and Chrome) in your PC and type the IP address of the radio (e.g. 192.168.1.11).
Ensure your PC is on the same Wi-Fi network as the radio. The screen will pop up as below:



4. You can input the name and URL of a new radio station under the Add channel section, then click Submit. The new station will sync to the Favorite list of your radio immediately.

You can add up to 99 radio stations.

Music Streaming from mobile devices

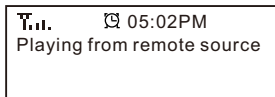
Our radio supports playing music streams from mobile device which uses UPnP or iOS streaming.


Note: Ensure your mobile devices are on the same Wi-Fi network as the radio.

The radio will be discovered as the Speaker source with name <iRadio-xxxxx> on your mobile devices.

Choose the <iRadio-xxxxx> to be the speaker to play music, our radio will start playing the selected music from your mobile device.

When the radio is playing streams from the remote devices, the display will be showing as below:



 If you are using iOS devices and you want to switch back to listen the internet radio, remember to disable the <iRadio-xxxxx> as the speaker and resume the iOS device as the source of speaker.



1. If the Internet Radio keeps re-buffering radio station:

The Internet Radio is streaming the data from the radio station via your broadband connection, if there is a high error rate on your broadband connection, or the connection is intermittent, then it will cause the Internet Radio to pause until the connection is re-established and it has received enough data to start playing again.

If your Internet Radio keeps stopping, please check the DSL modem to ensure that the Broadband line is not suffering a high error rate or disconnections. If you are experiencing these problems, you will need to contact your broadband supplier.

2. What is Buffering?

When playing a stream, the Internet Radio/Media player, downloads a small amount of the stream before it starts playing. This is used to fill in any gaps in the stream that may occur if the internet or the wireless network is busy.

The Internet Radio streams music data from the PC while you are listening. If a stream gets blocked or experiences Internet congestion while transferring it may stop/interfere with the quality of play. If this happens, check your internet connection speed- it must be faster than the speed of the streams.

Technical Specification

Model: WR-80

Power input: 5V \equiv 1A

Power voltage: 100-240V~50/60Hz

Wireless Network: IEEE802.11b/g/n

Ethernet connection Rj45

Security Protocol: WEP/WPA/WPA2

Audio output power: 2.5W (RMS)

Audio sockets: 3.5mm earphone jack, 3.5mm Line-out jack

Unit Dimension: 174 x 92 x 100 mm (L x H x D)

Remark: Specification may vary without notice

WEEE and Recycling



The European laws do not allow any more 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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FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the

instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.