

Internet Radio

800WF

User Manual



Thank you very much for buying the 800WF. In order to let you freely operate the product and fully enjoy the overbalancing happiness it brings you, we have introduced each function of the player in detail in this user manual. Please carefully read this user manual before use and keep for future reference.

Table of Contents

1. Before Started.....	2
1.1 Safety Precautions	2
1.2 Network Requirements.....	2-3
2. Appearance and Key Descriptions.....	4
3. Getting Started.....	5
3.1 Get the network ready.....	5-6
3.2 About music streaming.....	7
3.2.1 Get UPNP ready.....	7-8
4. Main Menu	9
5. Configuration.....	10
5.1 Network setting.....	10-11
5.2 Date & Time setting.....	12
5.3 Alarm setting.....	12
5.4 Language setting.....	13
5.5 Dimmer setting.....	13
5.6 Sleep setting.....	14
5.7 Buffer setting.....	14
5.8 Weather setting.....	14-15
5.9 FM Set up.....	15
5.10 Local Radio set up.....	15
5.11 Playback set up.....	15
5.12 Equaliser.....	16
5.13 Software update.....	17
5.14 Reset to Default.....	17
6. Internet Radio Mode.....	18
6.1 Browse Preset (FAV).....	20
6.2 Browse Stations.....	20
6.3 Search Radio Station.....	20
6.4 Add New Radio Station.....	20
6.5 History.....	21
7. Media Center	21
7.1 UPNP.....	21
7.2 USB mode.....	22
7.3 Bluetooth mode.....	22
8. FM Mode.....	23
9. Aux-in.....	24
10. Information Center.....	25-26
11. Troubleshooting.....	27
12. Specifications.....	28

1. Before Started

1.1 Network Requirement

Before using the 800WF, the following requirements are needed:

- A broadband connection (DSL 1Mbit/s or higher) in combination with a wireless access point, or router, or similar network devices where DHCP is available.
- WEP or WPA code (as a password) if the wireless network is configured to use WEP, WPA data encryption.
- A PC or smart phone with a network ready. This network has to be the same one as the 800WF equipped with.

1.2 Safety Precautions

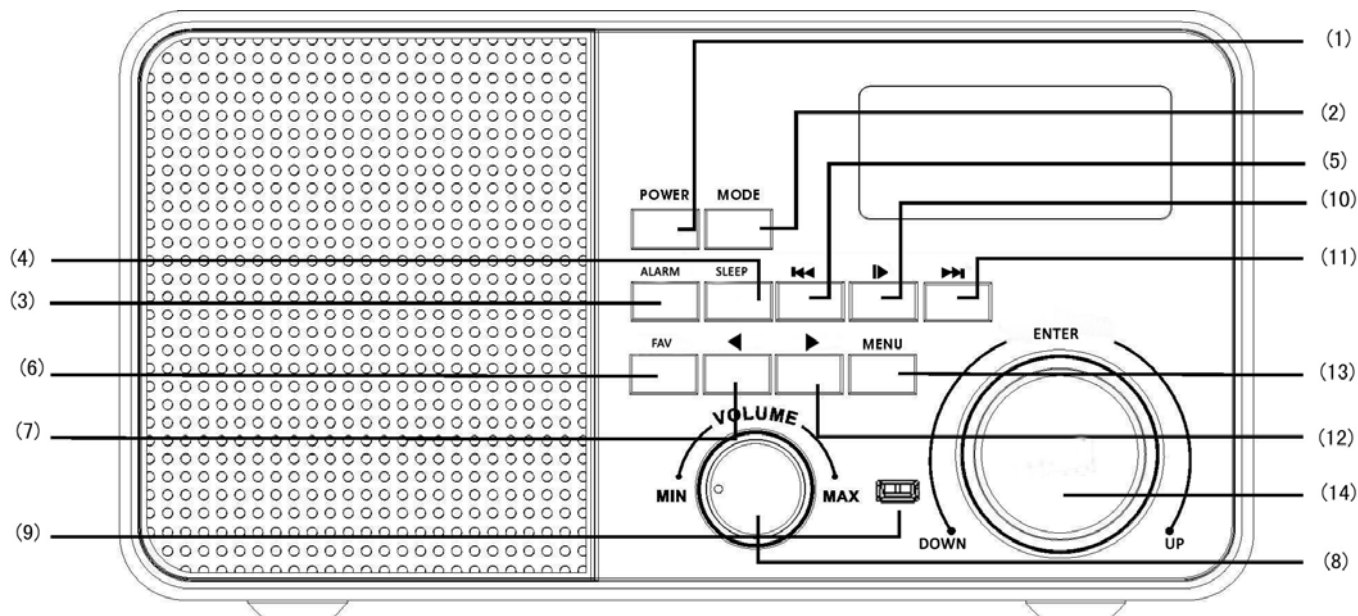
- Do not drop the 800WF and do not expose it to liquid, moisture or humidity. These might lead to damage to the device.
- If the 800WF is moved from a cold environment into a warmer one, do let it adapt to the new temperature before operate the device. Otherwise, it might lead to condensation and cause malfunctions in the device.
- Do not use the 800WF in the dust environment as dust can damage the interior electronic components and lead to malfunctions in the device.
- Protect the 800WF from strong vibrations and place it on stable surfaces.
- Do not attempt to disassembly the 800WF.

- Only use the power adaptor delivered with the 800WF.
- Never touch the power plug with wet hands and never pull on the power cable when pulling the plug out of the power socket.
- Make sure the electrical voltage specified on the 800WF and its power plug is corresponding to the voltage of the power socket. Incorrect voltage will destroy the device.
- If the 800WF is not using for a long period of time, disconnect it from the power supply by unplugging the power plug. This is to avoid the risk of fire.
- In case you use headphone, always reduce the volume before put on the headphones. After the headphones are positioned properly, increase the volume to the desired level.
- Always power off the 800WF when cleaning it.
- Never use any harsh or strong solvents to clean the 800WF since these may damage the surface of the device. Dry, soft cloth is appropriate, however, if the 800WF is extremely dirty, it may be wiped off with a slightly moist cloth. Make sure the device is dried off after cleaning.
- When you are necessary to ship the 800WF, store it in its original package. Save the package for this purpose.
- If you have to dispose the device in the future, note that it should not be disposed with household waste. Bring it to a reception point for the recycling of electrical devices. Consult your local authority or retailer for recycling advice.



2. Appearance and Key Descriptions

Front View



No.	Description	Functions
1	POWER	Power on/standby control
2	MODE	Press to change among iRadio-FM-Aux-Bluetooth-UPnP-USB
3	ALARM	Set up Alarm
4	SLEEP	Set up sleep time
5	⏮	Select previous track in "USB", "Bluetooth", "UPnP" mode; Previous station in "Internet Radio" & "FM" mode
6	FAV	Press and hold "FAV" key to save preset, press "FAV" to recall the preset station
7	⏪	Back; Press "⏪" key to search previous station in "FM" mode,
8	VOL	Rotate the "VOL" key to the right to increase the volume or to the left to decrease the volume
9	USB	USB port
10	⏮	Play/Pause in "USB", "Bluetooth", "UPnP" mode
11	⏭	Select next track in "USB", "Bluetooth", "UPnP" mode; Next station in "Internet Radio" & "FM" mode
12	⏩	Forward; Press "⏩" to search next station in "FM" mode
13	MENU	The "MAIN MENU" allows you to enter different operating modes("Internet Radio "mode; "Media Center" mode; "FM" mode; "Information Center" mode; "AUX" mode; "Bluetooth" mode; "Configuration" mode) The "MODE MENU" show the function available within the context of each of the operating mode. Press the "MENU" key at anytime will take you to the mode menu of the operating mode your radio is currently in. Each mode menu includes an option "MAIN MENU"-selecting this option will return you to the main menu. Press "" to back to the playing screen.
14	ENTER	Rotate the "ENTER" key to scroll up/down through menu options. Press the "ENTER" key to confirm your selection of a menu option. In "FM" mode, rotate "ENTER" key to auto search the stations.



Remote Control

Remember to pull out the clear plastic tab from the battery compartment before using the remote.

To remove the battery from the remote, use your thumb to press the notched clip towards the center of the battery tray and pull it out. Replace it with a CR2025 type 3V battery, taking care to insert it with the positive (+) side up.

3. Getting Started

The packaging box contains the following items:

800WF

Remote Control

Power adaptor

Aux-In cable

User Manual

3.1 Get the network ready

For wireless LAN (WLAN) network connection:

Check if WLAN LINK/ACT light of the wired/wireless access point or router is illuminated. Consult the user guide of that for any questions.



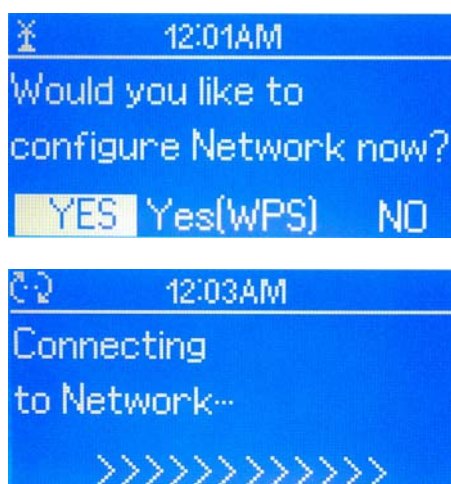
Note: WiFi allows data transfer over short distances within 20 meters without the need of cabling between the devices. Any walls or ceilings may reduce the strength of the WiFi connectivity.

Therefore try to locate the 800WF and/or the access point within the distance mentioned above, and avoid any obstacles between two devices.

- Connect the power adaptor to the back of the 800WF and plug into power socket.



- When it is the first time running the device, the system will ask you to set **Network Configurations**.



See 5.1 for detailed network configurations.

You may setup the network connection immediately, or set it later.

Press **POWER** to enter standby mode. The time, date and any active alarm times display on the screen.



- If you have setup a network connection, and use 800WF again within the network, 800WF will automatically make the connection. In case you desire to change the network, enter **configuration** to setup the corresponding connection.
- In the letters or numbers input screen, rotate the ENTER or press ▲/▼ on the remote control to choose letter.
Once you are on the letter you want, press ► to move to the next entry. When you are at the end the input, press **ENTER** to confirm. You may press ◀ to move to previous entry.

3.2 About Music streaming

AirMusic is the default device name for DLNA, and you may rename it as you like. (See section 5.3.12)

The information below is the introduction of how to setup up media streaming from PC or other media server. Study the own instruction of the software or apps you use to enjoy music streaming if necessary.

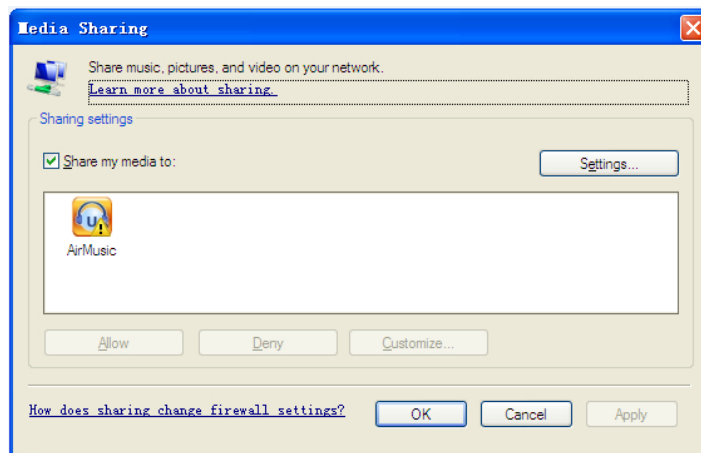
Make sure the music files are in the format of MP3, WMA, WAV or AAC for music streaming to 800WF.

Refer to section 7 for the details of the control on 800WF for music streaming playback.

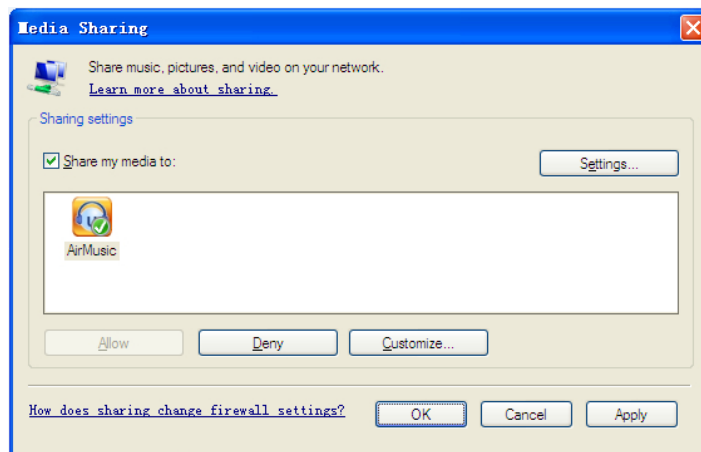
3.2.1 Get UPnP Ready

- To enjoy the streaming music from PC, the following steps are to be done on the PC:
 - Connect the PC to the network.
 - Ensure the 800WF is powered on and connected to the same network.
 - Open the UPnP platform **Windows Media Player** (10 or later). Alternatively, other

platforms or server such as **Windows Media Connection** may be used.



- Allow to share your media to **AirMusic** (800WF).



- Add the audio files and folders you want to share with 800WF to the media library.

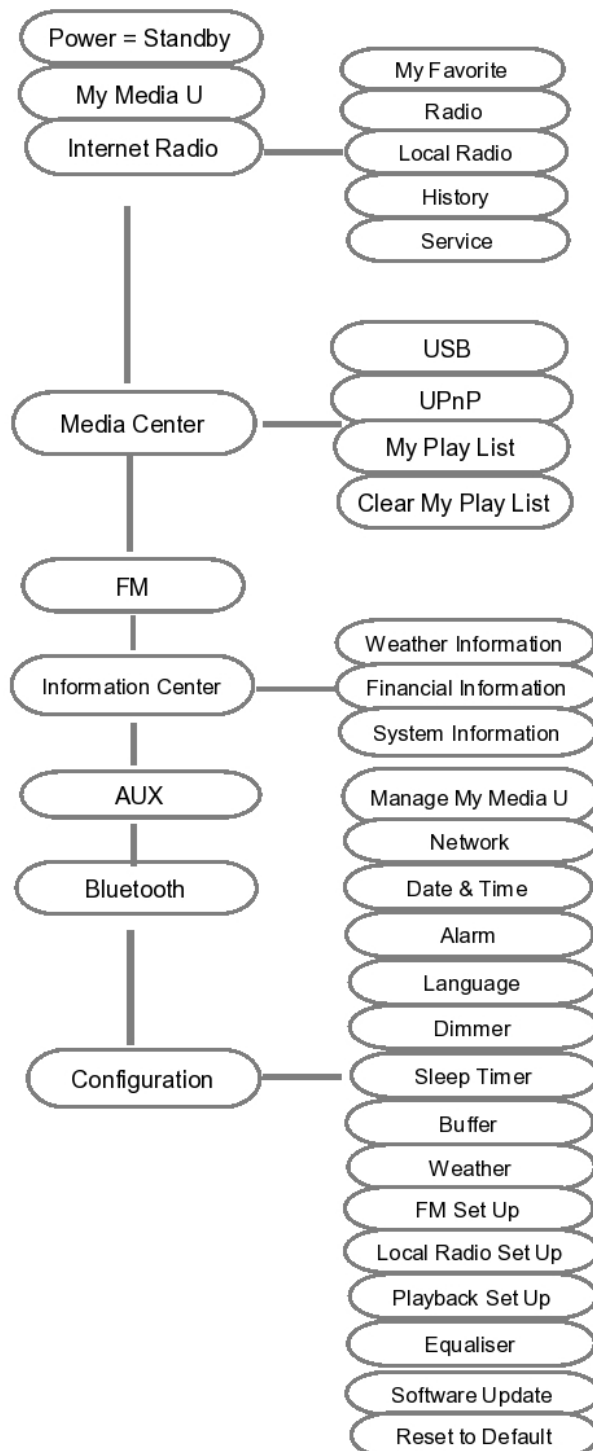
You may also enjoy the streaming music from other music server, such as smart phone (**Android** platform):

- Connect the mobile to the network
- Search and install media sharing apps from **Android** market.
- Add the audio files from your mobile you want to share.

After setup the shared server, choose the music and control playback on the 800WF. (See section 5.6)

4. 800WF Functions

4.1 Overview



4.2 Main Menu



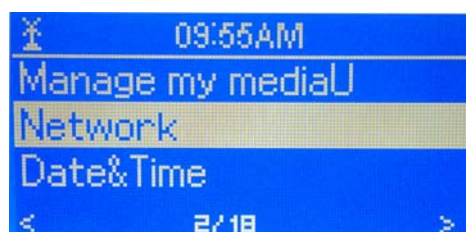
Under the main menu, you can **SELECT** the following modes: Internet Radio, Media Center, FM, Information Center, AUX, and Configuration.

If you want to enter the main menu under any submenu, you may press ◀ several times until you see the main menu.

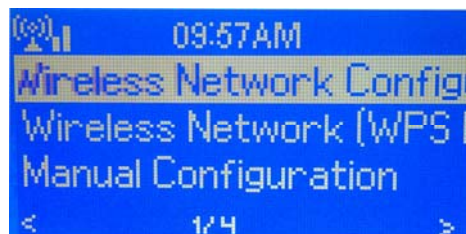
However, if you are in FM or AUX mode and you want to enter the main menu, you have to change to other mode by pressing **MODE** first.

For the shortcut, press **Internet Radio**, **UPnP**, **FM**, **Bluetooth**, **USB** or **AUX** to enter the mode directly.

5. Configuration



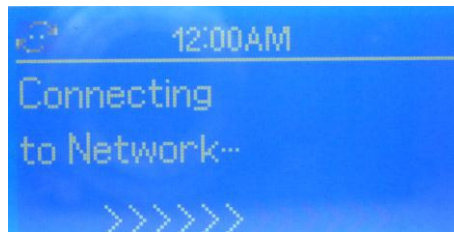
5.1 Network setting



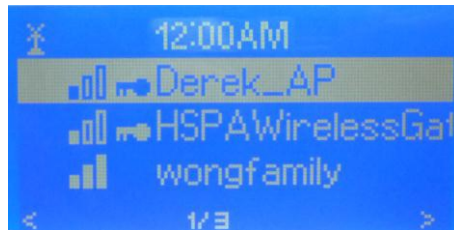
Wireless Network Configuration

Enable / disable WiFi network. When you enable the WiFi network, the system will

automatically search the available AP.



SELECT you required AP.



Enter WEP or WPA code to connect the WiFi.

If it is accidentally pressed ► to move a redundant entry, rotate the reel until the screen shows the entry being blank and then press **SELECT** to continue. The system will automatically remove the last blank entry.

- **Manual Configuration**

You can choose DHCP (which IP assigned automatically) or manually input IP address for wireless network connection.

When you **SELECT** manual setting for wired connection, the followings have to be entered:

1. SSID (the name of Access Point);
2. IP Address;
3. Subnet Mask;
4. Default Gateway;
5. Preferred DNS Server;
6. Alternate DNS Server.

You may choose (**Manage**) specific network if you have setup more than one network connection within an area.

- **Check Network when Power On**

Enable / disable WiFi network.

When you enable the WiFi network, the system will automatically search the available AP.

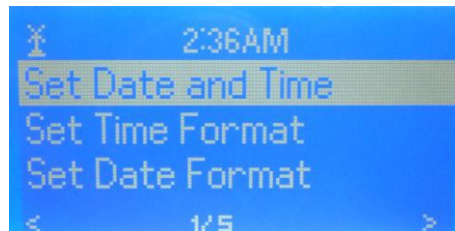
SELECT you required AP.

Enter WEP or WPA code to connect the WiFi.

If the wireless network connection is not existed or failed, the icon at the top left corner will

have a cross on it.

5.2 Date & Time setting

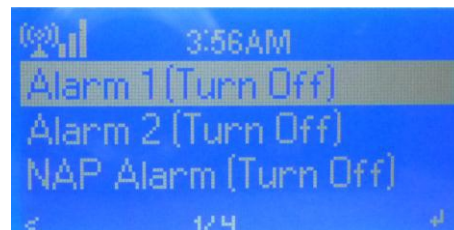


Setup the date and time; set time format display as **12 Hour** or **24 Hour**; set date format in the positions of **YY** (year), **MM** (month) and **DD** (day) - YY/MM/DD, DD/MM/YY or MM/DD/YY.

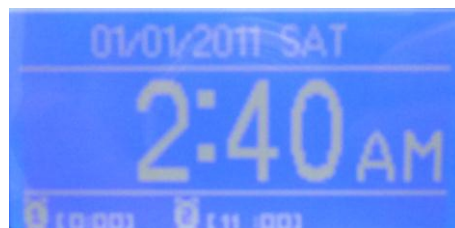
Turn on/off the **Daylight Saving Time (DST)**.

With a wireless network connected, **GMT** (+00:00) time is a time reference of time setting. Add or deduce the hour according to your time zone when you set the time.

5.3 Alarm setting



There are three independent alarms - 2 alarms of absolute time setting (**Alarm 1** and **Alarm 2**) and 1 alarm for relative time setting (**Alarm NAP**). Press **Alarm** on the remote control to enter this menu directly.



The first two alarms are similar to the normal alarm, **turn on** then set the time and set it alarms every day, once or every specific day of week. Choose Sound to set the sound to Beep, Melody or Radio.

*Note that the alarm source is from the last listened Internet radio if Alarm Sound is set to be **Radio**. When it reaches the alarm time, the unit connects to the Internet if the set network is available. Therefore there may be some delay from the alarm to the radio play. If no network is connection in one minute, the alarm will change to **Beep** automatically.*

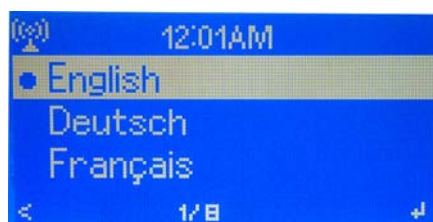
After **Alarm NAP** is set, it alarms once in 5/10/20/30/60/90/120 minutes depending on which one you have set.

You may choose **Alarm Volume** to configure the volume of the alarms.

When the alarm(s) is/are set, there will be a clock icon at the top of the display. The clock icon with alarm time will also clearly display on the standby mode screen.

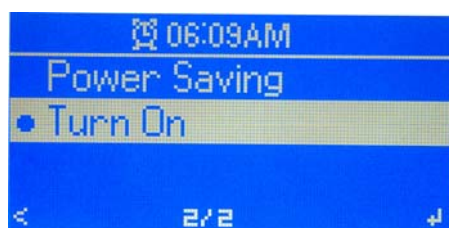
During alarm, press **POWER** to stop the alarm.

5.4 Language setting



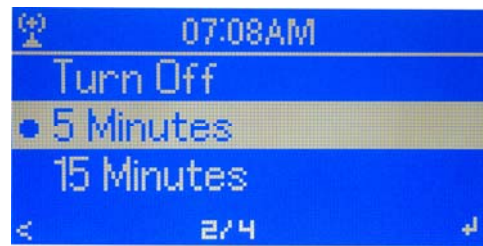
SELECT the OSD language: English, German, French, Nederland, Russian, Swedish, Norwegian or Danish.

5.5 Dimmer setting



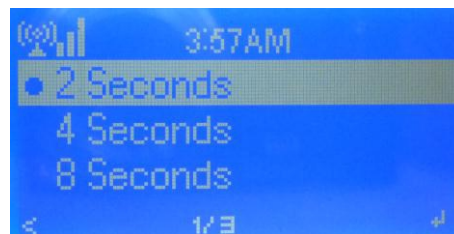
Configure the brightness of backlight on the display.

5.6 Sleep setting



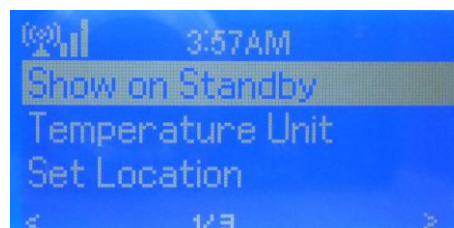
Turn off or set the sleep time of 15/30/60/90/120/150/180 minutes. Once the time is set, there will be a bed icon with remaining minutes at the top right corner and 800WF will turn to standby then. Press **Sleep** on the remote control for the shortcut of this function.

5.7 Buffer setting



Configure the buffer time of the music playback, 2/4/8 seconds.

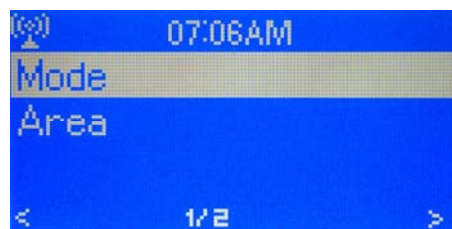
5.8 Weather setting



800WF is able to display current weather information (refer to 5.8.1) under standby mode. Turn on Standby Display and set Temperature Unit (°C or °F) to get the weather displayed at the standby mode. Set Location is to choose which city you want to show during standby.

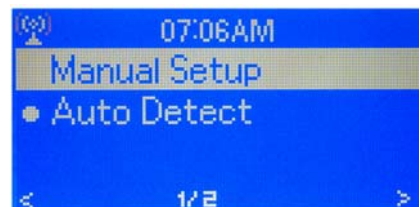
When it is turned on, the current time and the current weather will display in alternative 10 seconds.

5.9 FM Setup



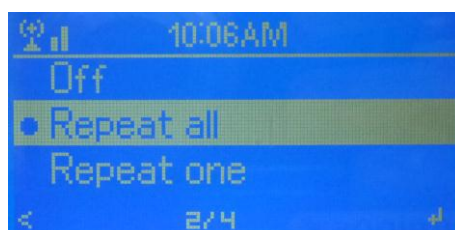
Choose Mono/Stereo and **ENTER** the FM broadcast band (Japan: 76 - 90 MHz; Other Area: 87.5 - 108.0 MHz).

5.10 Local Radio Set Up



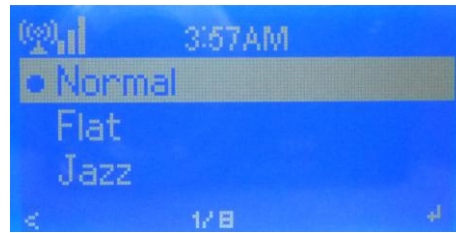
Default is Auto Detect.

5.11 Playback Set up



To set the playback mode of UPnP - Repeat all, Repeat one, Shuffle, or Off (play once only).

5.12 Equaliser



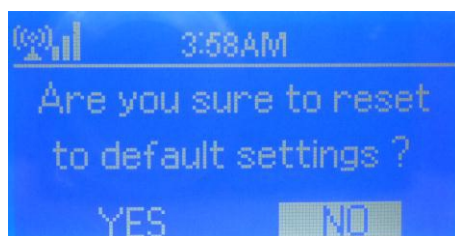
Default equalizer is Normal, you may change to Flat, Jazz, Rock, Movie, Classical, Pop, or News.

5.13 Software Update

Update software. If there is an updated software version on the server, the system will notify you when you return to the main menu.

5.14 Reset to Default

Restore the default settings. All stored WiFi access information, Internet Radio user login and FM presets will be deleted. Be aware of this before reset.



After 800WF is reset, the system will move to **Language** setting menu. And it will automatically turn to **Network** setting menu once the OSD language is selected.

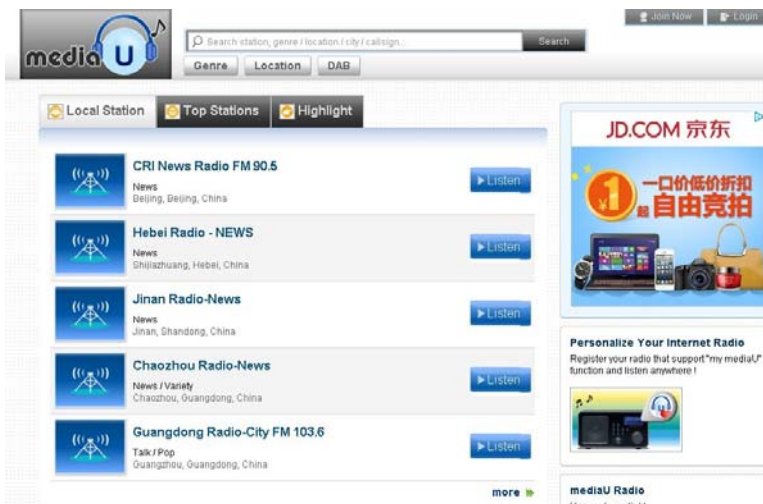
6 . Internet Radio

Display and playback your own Internet Radio station list on the Internet Radio server.

To activate your own station list, follow the steps below:

1. Access <http://www.mediayou.net/>
2. Click Login and register;
3. Login to the website;
4. Enter your user name, password, email address and zip-code(if any);
5. If it is successfully registered, you will receive an email from the support team.

You may input the login to 800WF then. You may also login the website to manage your station list.

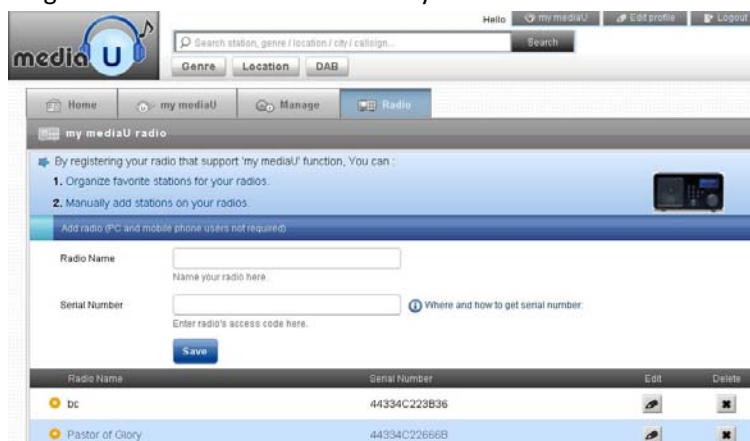


6. My mediaU Device

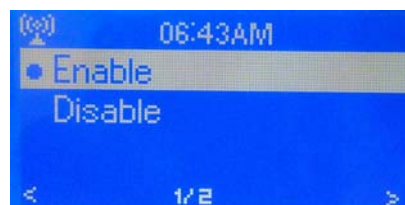
To use 'my mediaU' function on internet radios that support mediaU, you don't need to enter your mediaU username/password on them. Simply register on mediaU and it will sync your 'my mediaU' setting (favorite stations, manually add ...) to the device.

1) Input Radio MAC address to PC in order to sync

By Pressing MENU-> information Center->System Information->Wireless Information->MAC address N0 to find MAC



2) Press MENU->Configuration -> Manage my mediaU -> Enable



7. Favorite Station

Save you favorite stations here, and you can also create different directories for easy management.



8. Favorite Location / Genre

Save you favorite Location/Genre (can be combination) here.



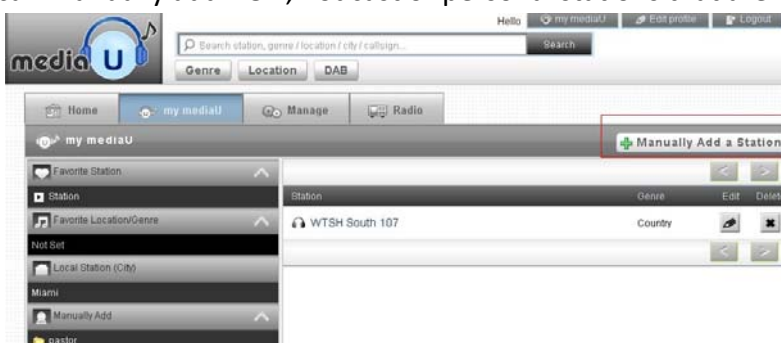
9. My Local Station

Setup the city you live and it will list the stations of that city.



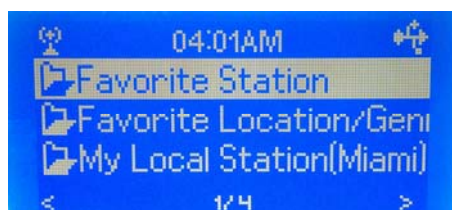
10. Manually Add

Here you can manually add AOD, Podcast or personal stations that are not listed in mediaU.

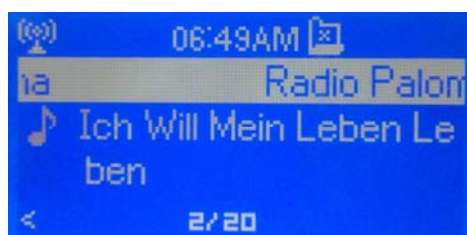


Tips: If you go back to the menu when playing a station, volume cannot be adjusted by the reel, use the volume keys on the remote control instead. Otherwise, you may stop controlling the system, it counts 10 seconds and return to playback display automatically, then you are able to adjust the volume.

6.1 Browse Preset (FAV)



Press and hold button “FAV” to store favorite stations. You can store 250 favorite internet radio stations. Press “FAV” or figures on the remote control to recall FAV stations.



6.2 Browse Stations

View the station list by the following categories: **My Favorite, Radio Station/Music, Local Radio, History.**

For each station, press **ENTER** to play directly. You may press **►** to enter its submenu (configuration).

6.3 Search Radio Station



Enter your keyword to search radio station from the list.

6.4 Add New Radio Station

Input radio URL



- Notes: 1. The radio will come to standby mode in 15 minutes when network is weak.
2. The radio will come to standby mode in 15 minutes when mute

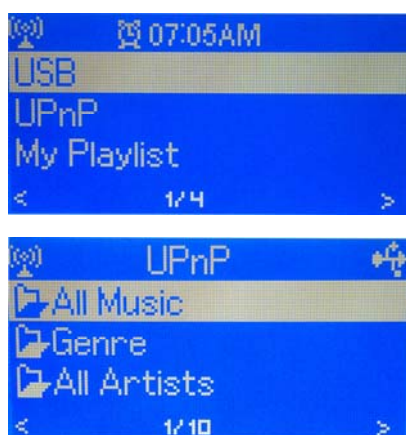
6.5 History

A list of last listened stations.

For each station, press **ENTER** to play directly. You may press **►** to enter its submenu - you can **Add to Preset**, **Auto Scan**, **Play** or **Use as Alarm Sound** (if you chose internet as alarm sound in alarm configuration).

7. Media Center

7.1 UPnP



If you have set up shared media, you should see the shared media from **UPnP**. If you have more than one computer sharing media, the alternatives are listed. **SELECT** the shared media you want to play.

Press **⏮ / ⏭** on the front panel to play previous/next music track, press **► ||** to pause or play.

Press **▲ ▼** on the remote control to play previous/next music track, press **► ||** to Pause or play. Press **■** to stop the music.

Tips: The radio can only read the track with the file name less than 40 characters. And the characters should be in European language. If you encounter failure of reading the track under UPnP mode, you may try to rename the file.

However, if the track is still unable to play, you can try converting the file to different formats.

Tips: If you go back to the menu when playing a station, volume cannot be adjusted by the reel, use the volume keys on the remote control instead. Otherwise, you may stop controlling the system, it counts 10 seconds and return to playback display automatically, then you are able to adjust the volume.


7.2 USB Mode

USB mode plays audio from USB



Press **⏮ / ⏭** on the front panel to play previous/next music track, press **⏸ ▶** to pause or play.

Press **▲ ▼** on the remote control to play previous/next music track, press **▶ ⏸** to Pause or play. Press **■** to stop the music.

Notes: When connect USB before play the music must appear  on the right corner.

The radio will come to standby mode in 15 minutes when mute

7.3 Bluetooth Mode



Bluetooth mode plays audio from an external source such as a mobile phone.

To play audio with Bluetooth mode:

- Turn on Bluetooth of mobile phone, and search & connect 800WF
- Turn the volume low on both 800WF and, if adjustable, the audio source device.
- Adjust the volume of 800WF (and, if necessary, the audio source device) as required.

Notes: The radio will come to standby mode in 15 minutes when mute

8. FM



FM radio mode receives analogue radio from the FM band. (Refer to 5.3.9 for the setting of FM band)

Press ◀ / ▶ to search FM station. The frequency display starts to run up as 800WF scans the FM band. It stops when it has received a station.

You may press **ENTER** to find a station manually. Each press moves 0.05MHz.

Press and hold the **FAV** to save the station.



You can save up to 20 stations. Short press **FAV** and rotate **ENTER** to check and choose the preset station; You may press the number on the remote control to choose the saved station.



Alternatively, you can let the system scan ALL stations for you by pressing **ENTER**, The searched stations will automatically be stored in preset station list.

Tips: If you go back to the menu when playing station, volume cannot be adjusted by the reel, use the volume keys on the remote control instead. Otherwise, you may stop controlling the system, it

counts 10 seconds and return to playback display automatically, then you are able to adjust the volume.

Notes: The radio will come to standby mode in 15 minutes when mute

9. AUX IN



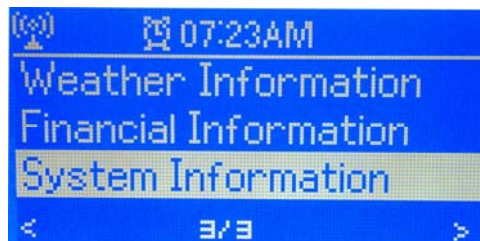
Aux in mode plays audio from an external source such as an MP3 player. To play audio with Aux in mode:

- Turn the volume low on both 800WF and, if adjustable, the audio source device.
- Connect the external audio source to the Aux in 3.5mm stereo socket.
- Adjust the volume of 800WF (and, if necessary, the audio source device) as required.

USB mode plays audio from USB

Notes: The radio will come to standby mode in 15 minutes when mute

10. Information Center



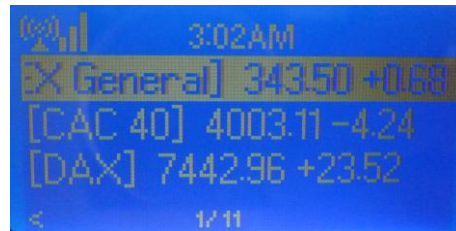
10.1 Weather Information

There are weather information and forecasts for 2000 cities. **SELECT** the country and then the city for the weather detail.



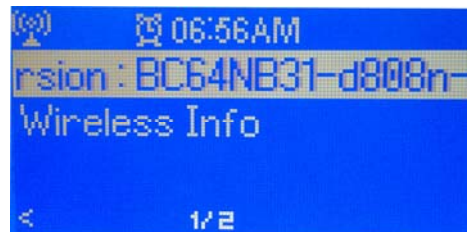
It is able to display the weather information on the standby mode. On the weather information page, press **ENTER** to set the city to displaying on the standby mode. Then turn on the weather display as mentioned in 5.3.8.

10.2 Financial Service



View the stock index from around the world.

10.3 System Information



Check out the version of the 800WF system, and the details of connected network.

11. Troubleshooting

Error	Remedy
The device does not switch on.	Check if the power adaptor is connected properly.
No sound.	<ol style="list-style-type: none"> 1. Turn on the sound as it may be muted 2. Increase the volume.
No network connection can be established.	<ol style="list-style-type: none"> 1. Check the WLAN function. 2. Try to set an IP address at the device. 3. Activate the DHCP function on the router and make the connection again at the device. 4. A firewall is activated on the network - set the respective program in such a way that access is possible.
WLAN connection cannot be established.	<ol style="list-style-type: none"> 1. Check the availability of WLAN network on the access point. 2. Place the device closer to the router. 3. Make sure the WEP/WPA password is correct.
No station is found.	<ol style="list-style-type: none"> 1. Check the network as well as the access point and firewall. 2. The station may not be available currently, try it again later or SELECT another station. 3. The link of the station is changed or the station no longer transmits - ask the provider for information. 4. The link of manual added station is not correct, make sure it is correct and re-enter.
Hiss in FM mode.	<ol style="list-style-type: none"> 1. Check/move the FM antenna. 2. Move the radio.
Alarm does not work.	<ol style="list-style-type: none"> 1. Switch on the alarm. 2. Due to the volume setting, refer to the solutions of "No sound". 3. The source of alarm was set to be station but there is no network connection. Change the source of alarm or reconfigure the connection.
System freezes suddenly.	The radio is overloaded, reboot the unit.

12. Specifications

Model number	800WF
Description	Internet Radio
Display	128 x 64 dot matrix
Network supported	802.11b/g/n (WLAN)
WLAN key	WEP, WPA, WPA2 (PSK)
Streaming Protocol	NTP Network Time Protocol RTSP Real Time Streaming Protocol MMS Microsoft Media Streaming Protocol HTTP Hyper Text Transfer Protocol
Supported playback formats	WMA Windows Media Audio MP3 MPEG Layer 3 Audio WAV Waveform Audio AAC Advanced Audio Coding
Power adaptor	12V 2A
Speaker power output	30W
Connections	3.5mm jack socket DC IN power supply socket
Dimensions	250mm(L) x 135mm(H) x 130mm(D)
Weight	2 kg (approx.)



Warning

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:

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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be located or operating in conjunction with any other antenna or transmitter.