



Lenco Internet Radio with FM and Bluetooth User Manual

[Home](#) » [Lenco](#) » Lenco Internet Radio with FM and Bluetooth User Manual 

Lenco Internet Radio with FM and Bluetooth



CAUTION:

Usage of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This unit should not be adjusted or repaired by anyone except qualified service personnel.

Contents

1 PRECAUTIONS BEFORE USE

1.1 INSTALLATION

2 Product Overview

2.1 Remote Control

3 INITIAL USE

4 Network configuration

5 INTERNET RADIO

6 Media Center

7 My media U

8 Information Center

9 CONFIGURATION

10 DLNA/UPnP

11 AUX (Line input)

12 FM operation

13 Bluetooth

14 Technical Specifications

15 Guarantee

16 Disclaimer

17 Disposal of the Old Device

18 Service

19 Documents / Resources

19.1 References

20 Related Posts

PRECAUTIONS BEFORE USE

KEEP THESE INSTRUCTIONS IN MIND:

1. Do not use this device near water.
2. Clean only with a slightly damp cloth.
3. Do not cover or block any ventilation openings. When placing the device on a shelf, leave 5 cm (2") free space around the whole device.
4. Install in accordance with the supplied user manual.
5. Don't step on or pinch the power adaptor. Be very careful, particularly near the plugs and the cable's exit point. Do not place heavy items on the power adaptor, which may damage it. Keep the entire device out of children's reach! When playing with the power cable, they can seriously injure themselves.
6. Unplug this device during lightning storms or when unused for a long period.
7. Keep the device away from heat sources such as radiators, heaters, stoves, candles and other heat-generating products.
8. Avoid using the device near strong magnetic fields.
9. Electrostatic discharge can disturb normal usage of this device. If so, simply reset and restart the device following the instruction manual. During file transmission, please handle with care and operate in a static-free environment.
10. Warning! Never insert an object into the product through the vents or openings. High voltage flows through the product and inserting an object can cause electric shock and/or short circuit internal parts. For the same reason, do not spill water or liquid on the product.
11. Do not use in wet or moist areas such as bathrooms, steamy kitchens or near swimming pools.

12. Do not use this device when condensation may occur.
13. Although this device is manufactured with the utmost care and checked several times before leaving the factory, it is still possible that problems may occur, as with all electrical appliances.
If you notice smoke, an excessive build-up of heat or any other unexpected phenomena, you should disconnect the plug from the main power socket immediately.
14. This device must be well ventilated at all time!
15. This device must operate on a power source as specified on the specification label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company.
16. The socket outlet must be installed near the equipment and must be easily accessible.
17. Do not overload ac outlets or extension cords. Overloading can cause fire or electric shock.
18. Devices with class 1 construction should be connected to a main socket outlet with a protective earthed connection.
19. Devices with class 2 construction do not require a earthed connection.
20. Keep away from rodents. Rodents enjoy biting on power cords.
21. Always hold the plug when pulling it out of the main supply socket. Do not pull the power cord.
This can cause a short circuit.
22. Avoid placing the device on any surfaces that may be subject to vibrations or shocks.
23. To protect the device during a thunderstorm, unplug the ac power adaptor.
24. When the device is not in use for long periods, unplug the ac power adaptor for safety reasons.
25. To clean the device, use a soft dry cloth. Do not use solvents or petrol based fluids. To remove severe stains, you may use a damp cloth with dilute detergent.
26. The supplier is not responsible for damage or lost data caused by malfunction, misuse, modification of the device or battery replacement.
27. Do not interrupt the connection when the device is formatting or transferring files. Otherwise, data may be corrupted or lost.
28. The usb memory stick should be plugged into the unit directly. Don't use an usb extension cable because it can cause interference resulting in failing of data.
29. The apparatus shall not be exposed to dripping or splashing and make sure that no objects filled with liquids, such as vases, are placed on or near the apparatus.
30. To completely disconnect the power input, the mains plug of the apparatus shall be disconnected from the mains, as the disconnect device is the mains plug of apparatus.
31. The mains plug of the apparatus should not be obstructed or should be easily accessed during intended use.
32. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
33. Minimum distance of 10cm around the apparatus is needed for sufficient ventilations.
34. The ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table-cloths, curtains etc.
35. No naked flame sources such as lighted candles should be placed on the apparatus.
36. Attention should be drawn to the environmental aspects of battery disposal.
37. The apparatus can only be used in moderate extremely cold or climates warm environments should be avoided.
38. The rating label has been marked on the bottom panel of the apparatus.
39. This device is not intended for use by people (including children) with physical, sensory or mental disabilities, or a lack of experience and knowledge, unless they're under supervision or have received instructions about

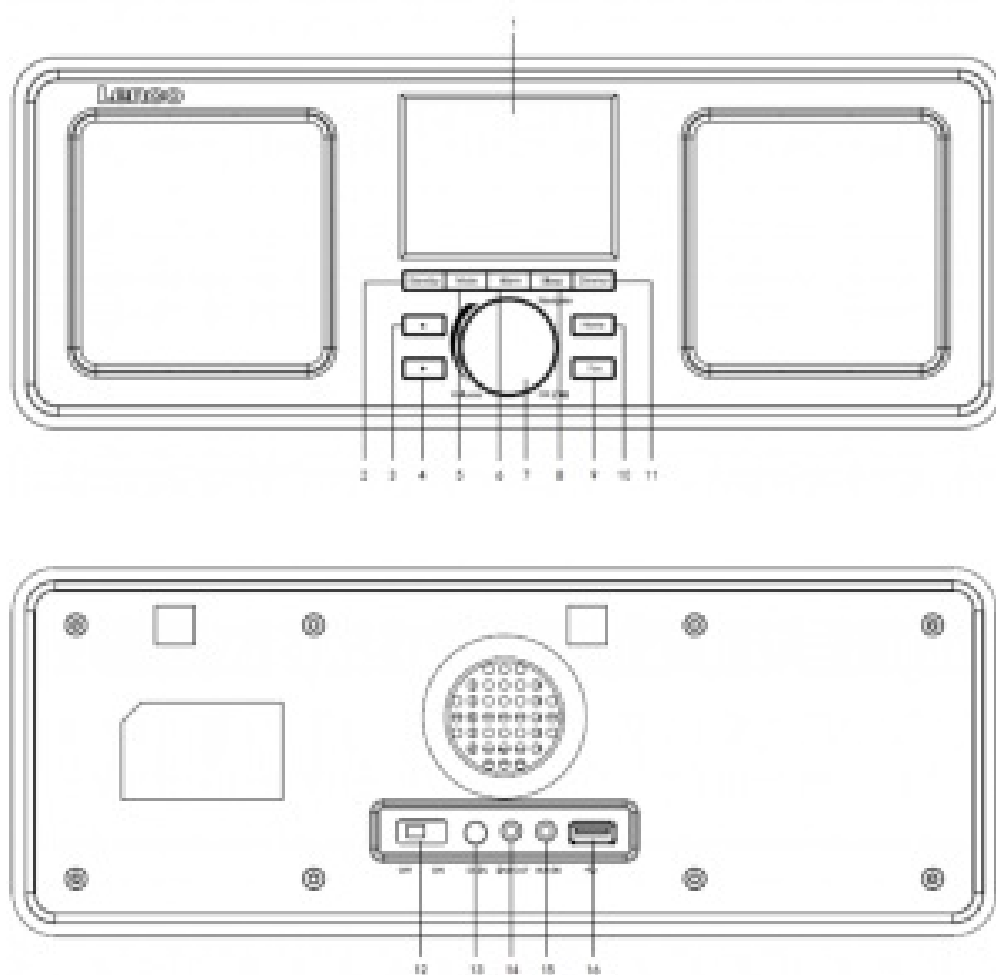
the correct use of the device by the person who is responsible for their safety.

40. This product is intended for household use only and not for commercial or industrial use.
41. Make sure the unit is adjusted to a stable position. Damage caused by using this product in an unstable position or by failure to follow any other warning or precaution contained within this user manual will not be covered by warranty.
42. Never remove the casing of this apparatus.
43. Never place this apparatus on other electrical equipment.
44. Do not use or store this product in a place where it is subject to direct sunlight, heat, excessive dust or vibration.
45. Do not clean this product with water or other liquids.
46. Do not block or cover the slots and holes in the product.
47. Do not push foreign objects into the slots or holes in the product.
48. Do not allow children access to plastic bags.
49. Please check that the voltage on the type plate of your appliance corresponds with your house electricity supply (type plate is located on the back of the unit).
50. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
51. Only use attachments/accessories specified by the manufacturer.
52. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power supply cord or the plug, when liquid has been spilled or objects have fallen into the apparatus, when the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
53. Do not use a damaged power cord or plug or a loose outlet. Doing so may result in fire or electric shock.
Warning: prolonged exposure to loud sounds from personal music players may lead to temporary or permanent hearing loss.

INSTALLATION

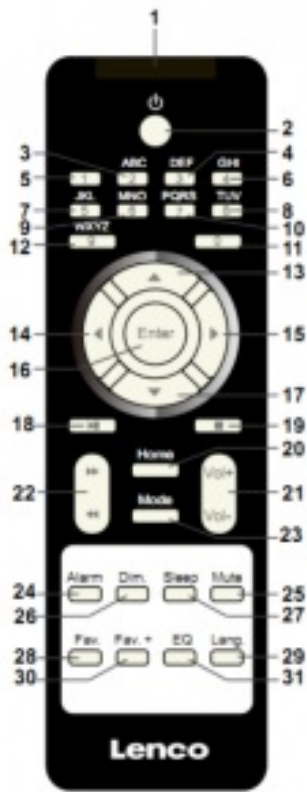
- Unpack all parts and remove protective material.
- Do not connect the unit to the mains before checking the mains voltage and before all other connections have been made.
- Do not cover any vents and make sure that there is a space of several centimeters around the unit for ventilation.

Product Overview



1. Display
2. Standby
3. Left
4. Right
5. Mode
6. Alarm
7. Vol/Nav/Ok/Play/Pause: Rotate=Vol/Scroll Press=Select
8. Sleep
9. Fav
10. Home
11. Dimmer
12. Power on/off
13. DC-IN
14. Line-out (3.5mm)
15. Aux-in (3.5mm)
16. USB Socket

Remote Control



1. Remote Transmitter
2. Standby button
- 3-12. Input letters and numbers
13. Up Cursor button
14. Left cursor button
15. Right cursor button
16. Enter button
17. Down cursor button
18. Play/Pause button
19. Stop button
20. Home button
21. Vol+/-
22. Go back/forward one track
23. Mode selection button
24. Alarm setting button
25. Mute button
26. Dimmer button
27. Sleep button
28. Fav button
29. Language selection button
30. Fav+ button
31. EQ set tone

INITIAL USE

Before operation, please make sure that the VOLTAGE mentioned on the power supply is same as the voltage of your local area.

Use the supplied mains adaptor to connect the device to a household mains socket.

Switch the device on with the power switch on the rear.

When it is the first time running the device, the system will ask you to set Language and Network Configurations. You may setup the network connection immediately, or set it later. Use Navigate to select the desired option. Press Navigate/OK to confirm.

Press Standby button when unit is power on, unit will go to standby mode. Press again will make it On again.

Network configuration

1. Normal network configuration

Select "Yes" for the normal Wireless Network Configuration: The select the required AP by turning "Navigate" and confirm it by pressing "Navigate/OK".

Enter WEP or WPA code to connect the WiFi network by select the correct character turning the "Navigate/OK" button.

Press ► button to select the next character.

In this condition, press ◀ button you can turn left and delete the left characters at the same time:

When the password is complete please press "Navigate/OK" button to confirm.

Note: Below characters are available for the radio: Numbers (from 0-9) English letters (from A to Z and from a to z) Other characters (DEL, @, Blank, !, ", #, \$, %, &, *, ', + and (,))

2. WPS PBC network configuration

Select "Yes WPS" when you would like set up with Wireless Network (WPS PBC) feature: If you are using a router with WPS button, you may set up the network connection simple via WPS function.

Enter it and go to press the WPS button on your router within 120 seconds.

The connection between the router and the Radio will then be configured automatically. Select "No" when you do not want to install the network at the moment.

3. No network configuration

Pls select "NO" when you do not like to configure the network connection at the moment.

Press "Standby" for standby. When the actual date and time is shown the network is configuration is well done.

Date and time, as well as alarms-if activated-will still are shown on the display when in standby mode.

INTERNET RADIO

Switch on "Standby" and rotate Navigate to scroll through the main menu. Press OK (to enter sub menus or confirm settings)

Press ► to return to the previous menu.

After the connection of any station is succeeded, station information's will be shown: information content can be changed with ◀ or ► button.

My Favorites

List of my favorite preset stations. It supports 250 favorite entries including stations and folder.

During the station playing screen, press and hold Fav on the device or "Fav.+" on the remote control to save the station as my favorite. You may replace the previous saved station to the new one.

If the Selected station has been saved, you cannot save it again. The saved stations are showed under this menu. You may also press Fav to enter the saved station list. You may enter the number key on the remote control to recall the saved station.

Under the preset station list, move to your station, press OK from unit or Enter from remote control to listen.

Enter its submenu with button, Shift Up/Down along the list, Rename, Play, or Use as Alarm Sound (if you chose internet as alarm sound in alarm configuration).

Radio Station/Music

Stations are categorized into Global Top 20, Genre and Country/Location (Africa, Asia, Europe, Middle East, North America, Oceania/Pacific, and South America). Enter to continue the subcategories and choose the station to listen.

For each station, press OK from unit or Enter from remote control to play directly.

Press ◀ to enter its submenu. When you choose Auto-scan, each of the subcategory stations will be playing for 30 seconds, until the last station in the list is played. Press the 'select' button on the unit or 'enter' on the remote to stop auto-scan listening and listen to the present station.

You can press ▶ the button to view the display the station information.

Local Radio:

Stations are categorized to the country/location which the unit is operated.

History:

List of the ten recently listened stations.

Service:

Search radio station-Enter your keyword to search radio station from the list.

Add new radio by adding IP address, the added stations will be stored in My Favorite.

Note that the maximum character of the station name is 250.

Media Center

Select the USB/UPnP mode or playlist mode with Navigate/OK or with the Mode button.

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.

Use Play/Pause (18), Next/Prev (22) and Stop (19). Press Right cursor button (15) to view the display information of the playing track.

Note: The radio can only read the track with the file name less than 40 characters. 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.

USB

From this point on, menus are generated from the folders on the USB device. It can support WMA/MP3/AAC/AAC+/FLAC/WAV format. FLAC can support 16Bit/8K~48K Sample Rate, 64Kbps.

Brows folders with the NAV wheel or direction keys (13/14/15/17) on the remote control.

The display shows folder and file names (not necessarily track names).

Once you have found a track you want to play, press the navigate wheel on the device or press Enter on the remote control.

Note: The USB port does not support data transfer with a computer.

My Playlist:

You can create a playlist of favorite music from UPnP. When you playing the music, press and hold OK from unit or Enter from remote control to save it into My Playlist.

Clear My Playlist

Pls select this option for clearing the playlist. Pls confirm the questions.

My media U

Display and playback your own mediaU station list on the mediaU server. Set your account first. To activate your own station list, follow the steps below:

Access <http://www.mediayou.net/>. Join my mediaU membership. Login to the website;
Enter the wireless MAC address of Radio to the mediaU website. This information can be obtained in information Center > System information > Wireless Info;
When successfully configured, you are able to save and view your own mediaU station playlist(s).
Username and password are not required to enter to the Radio.

If there are different accounts stored in Radio, you can choose the one you currently use under Configuration menu. On the website, you may save stations to Favorite Station, set Favorite Location/Genre and My Local City, or add stations manually. The stations can be viewed from My Media mode on the Radio.

Information Center

Weather

There are weather information and forecasts for 2000 cities.
Choose the 'Set location' option and choose your location, press 'enter' and choose 'country'. You now can select a city.

The device is able to display the weather information in standby mode. To do this goes to the weather option in the setting menu and select 'Show on Standby'

Financial Info

View the stock index

System Information

View details of units and of connect network. The information includes MAC address which you are required to fill in when registration of "my mediaU" membership.

CONFIGURATION

Time Display: Analog/digital

My MediaU: When it is enabled, My mediaU will exist on the main menu. If various mediaU accounts exist in the Radio, Select the default login account in here.

Network: Wireless Network Configuration: Enable/disable WiFi network. When you enable the WiFi network, the system will automatically select the required AP.

Enter WEP or WPA code to connect the WiFi.

Wireless Network (WPS PBC): If you are using a router with WPS/QSS button, you may set up the network connection simple via WPS function. Enter it and go to press the WPS/QSS button on your router within 120 seconds. The connection between the router and Music Link will then be configured automatically.

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 following have to be entered: SSID (name of access point), IP Address, subnet mask, default gateway, preferred DNS server, and alternate DNS server.

Check Network When Power On: Enable/disable WiFi network. When you enable the WiFi network, the system will automatically search the available AP. Select required AP.

Date & Time Setup: the date and time

Set time format display as 12 Hour or 24 Hour

Set date format(YYYY/MM/DD-DD/MM/YYYY-MM/DD/YYYY)

Daylight Saving Time(DST)

o ON

Tips: On the model of "ON", the time will be one hour More than the actual time.

o OFF

Tips: On the model of "OFF", the time will be same as the actual time. If it was on the model of the "Daylight Saving Time(DST) and you choose "OFF", the time will be deducted one hour, that's to say, the time will be same as the actual time.

Alarm: 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.

Note that the alarm source is from the preset Internet radio if Alarm Sound is set to be Internet Radio. It can only set one same IR station for Alarm 1 and

Alarm 2. When the alarm is reached 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 can be established within one minute, the alarm will change to Melody automatically.

When Alarm "NAP" is set, it alarms once in 5/10/20/30/60/90/120 minutes depending on which one you have set. Choose Alarm Volume to configure the volume of the alarms.

Timer: Countdown timer (max. 100min)

Language: English/Deutsch/Espanol/Francais/Portugese/Nederlands/Italiano/Pycckn /

Svenska/Norske/Dansk/Magyar/Cesky/Slovensky/Polski/Turkce/Suomi

Dimmer: Power Saving/Turn On

Display: color/monochrome

Power Mgmt: Configure to go to standby mode automatically during in the menu or/and without Wifi signal.

Choose the power management timer (5/15/30mins) to set the duration of the radio to switch standby mode automatically when you are not controlling it. Choose Turn off to ignore the power management function.

Sleep Timer: Turn off or set the sleep timer 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 the device will turn to standby then. Press Sleep on the remote control for the shortcut of this function.

Buffer: Configure the buffer time of the music playback, 2/4/8 seconds. **Weather:** Activate/deactivate the weather forecast for the standby display. Choose your preferred temperature unit (°F or °C) and then proceed entering your location. When activated, the weather forecast is shown in turns with the clock display on the standby screen (each 10 secs)

FM Setup: You could choose Mode or Threshold

Local Radio Setup: There is a shortcut Local Radio under Internet Radio so that you can easily go to the station list of your location. You may Manual Setup your location, or let the system Auto Detect your current location. The system detects the location according to the IP address of your connected network. Press Local Station to enter this local radio list directly.

Playback Setup: Select the playback mode of media center-Off (no repeat or shuffle), Repeat all, Repeat one, or Shuffle.

Device: Default device name for DLNA is "AirMusic". You may rename it for DLNA setup on the PC or mobile. QR code for download and install "AirMusic" control App.

Equalizer Default equalizer is Normal, you may change to Flat, Jazz, Rock, Soundtracks, Classical, Pop, or News MY EQ. Press EQ on the remote control to swap among the EQ mode for shortcut.

Resume When Power On: The system is default to resume internet radio playback if you were listening to internet radio or media center before switch off the unit. If turn this setting off, the system will remain in the main menu when switching on the unit.

Software Update: Update software. If there is an updated software version on the server, the system will notify you. Before starting a software upgrade, ensure that the unit is plugged into a stable mains power connection. Disconnecting power during a software update may permanently damage the unit.

Reset to Default: Restore the default settings. After the DIR-100 is reset, the system will move to language is elected.

DLNA/UPnP

You may change the default DLNA name as you like. The information below is the introduction of how to setup media streaming from PC or other Media server.

Please check the instruction manual of the media server you are going to use. Make sure the music files are in the correct format otherwise the DIR-150 cannot play these. (Compatible formats are MP3, FLAC or AAC.)

UPnP

Connect the PC to the network.

Ensure the Radio is powered on and connected to the same network.

Open the UPnP platform Windows Media Player (11 or later). Alternatively, other platforms or server such as Windows Media Connection may be used.

Allow to share your media to Radio.

Add the audio files and folders you want to share with radio 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 Google Play.

Add the audio files from your mobile you want to share.

After setup the shared server, choose the music and control playback on the Radio.

DLNA

Besides UPnP, Radio supports DLNA function, you share the music files from PC or Android mobile, and you use your PC, Android mobile or iPhone/iPad to control music playback on the Radio. (It is not required to control each playback on the Radio.)

The PC system requirement for DLNA is Windows 7 and Windows Media Player 12. Setup as below:

First, share the media on your PC to Radio.

Control Panel > Network and Internet > Network and Sharing Center > Change Advanced Sharing > Media streaming options

Open Windows Media Player to enable Allow remote control of my Player.

Right click any music in the library and choose Play to Radio.

There will be a window for controlling music playback on Radio.

You may search and install any free or commercial DLNA apps from Google Play or Apple Store if you are using Android mobile, tablet or iPhone/iPad. It is suggested to use bubble UPnP, Twonky Beam on Android mobile, tablet or Twonky Beam on iPhone/iPad. Some apps may not support streaming music from iPhone/iPod but iPhone/iPod could still be used to control streaming music from other servers.

Procedures for playing shared music on the app are as follows:

Select Radio as the player. Some apps may allow to play the music to multi players at the same time.

Select music server and choose the music. Some app can create a playlist if you choose several music.

Please note: When using DLNA music streaming function on the Internet Radio, you can only control the volume and standby via the unit. It is restricted to control the other functions. Stop DLNA on PC, mobile or tablet before you resume Internet radio's own control.

AUX (Line input)

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 the Radio and if adjustable, the audio source device.

Connect the external audio source to the AUX IN 3.5mm stereo socket.

Either press MODE until the display, shows AUX IN or select AUX in under Main menu.

Adjust the volume of the Radio (and, if necessary, the audio source device) as required.

FM operation

With your radio on, press the Mode button to select FM mode or press ◀ / ▶ button to select FM mode in the menu.

Press the ◀ / ▶ button to manually tune to specific frequencies by 0.05MHz per step.

The radio also includes the scan feature of FM, allowing you to automatically tune to FM stations.

Press and hold the button to automatically search for the next available radio station. When a station with good signal is found, it will be automatically played.

You can search for stations in the opposite direction by pressing and holding the button.

Press the Navigate/OK rotary knob, it can automatically scan fully and store the 20 stations (the max).

Storing stations as presets

Radio can store 20 stations as presets in FM mode. To store a preset:

Tune to the station you like, press and hold the Fav button, then using the ◀ / ▶ button or rotate the Navigate/OK rotary knob to select desired preset number, then press Vol/Nav/Ok rotary knob to store the station.

Playing stations saved as presets

To play a preset station:

Select the band FM of the station by pressing the Mode button or press ◀ / ▶ button to select FM mode in the menu.

Press the Fav button to recall the preset station, then using the / button or rotate the Navigate/OK rotary knob to browse through your presets and press the Navigate/OK rotary knob to confirm.

Bluetooth

With your radio on, press the Mode button to select Bluetooth mode or press ◀ / ▶ button to select Bluetooth mode in the menu.

Turn on the Bluetooth of your device and choose the pairing name “DIR-150 BT” and click it for pairing, there will be prompt sound “connected” if Bluetooth connection successful.

You can press ◀ or ▶ to go to previous track or next track.

You can press navigate knob to play or pause the music playback.

You can adjust the knob clockwise to increase the volume or anti-clockwise to decrease the volume.

You can press and hold the navigate knob to disconnect the existing pairing and pair with new device.

Technical Specifications

Network	802.11b/g/n (WLAN) Encryption: WEP, WPA, WPA 2(PSK), WPS
Streaming	UPnP, DLNA
Supported file types	MP3, FLAC, AAC
Connections	DC, USB (charging 5V 0.5A), 3.5mm AUX-IN, 3.5mm Line-Out
Input	100-240VAC – 50/60Hz
Output	9V/2A
Output power	2 x 8W RMS
Batteries in remote control	CR2025 button cell
Power consumption	Max 20W
Power consumption (standby)	<1W
Operating Temperature	0°C-35°C
Operating position	Horizontal
Power supply adaptor	(For EU only)
Manufacturer	DONGGUAN YUAN SHUAI ELECTRONIC. LTD
Model Number	YeS04S-0900200VH
Use only original AC adaptor	
Use only the power supply listed in the user instructions.	
Dim. unit	310 x 114.9 x 116 mm (WxDxH)
Weight	1645g

Guarantee

Lenco offers service and warranty in accordance with the European law, which means that in case of repairs (both during and after the warranty period) you should contact your local dealer.

Important note: It is not possible to send products that need repairs to Lenco directly. Important note: If this unit is opened or accessed by a non-official service center in any way, the warranty expires. This device is not suitable for professional use. In case of professional use, all warranty obligations of the manufacturer will be voided.

Disclaimer

Updates to Firmware and/or hardware components are made regularly. Therefore some of the instruction, specifications and pictures in this documentation may differ slightly from your particular situation. All items described in this guide for illustration purposes only and may not apply to particular situation. No legal right or entitlements may be obtained from the description made in this manual.

Disposal of the Old Device




This symbol indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose them in accordance to any applicable local laws of requirement for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste (Waste Electrical and Electronic Equipment Directive)

Service

For more information and helpdesk support, please visit www.lenco.com
Lenco Benelux BV, Thermiekstraat1a, 6361 HB, Nuth, The Netherlands.



Documents / Resources

	<p>Lenco Internet Radio with FM and Bluetooth [pdf] User Manual DIR-150, Internet Radio with FM and Bluetooth</p>
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References

- [L Lenco.com](http://Lenco.com) | [Officiële Lenco Webshop](#)
- [L Lenco.com](http://Lenco.com) | [Officiële Lenco Webshop](#)
- [mediaU – Your Best Choice of Internet Radio Portal !](#)