

User Manual

Model: CS-806

1: Exterior view of the product:



Thank you for your purchasing the product, please read this operation guide carefully before use and keep it properly.

2: A brief description of product functions:

This is a portable portable multi-functional radio which not only receives traditional FM signal reception but also receives network radio signals/DAB signal of European countries. It can be used as a Bluetooth speaker and supports USB/TF card playback. Hope that it will bring more joy to users who like radio!

Rich display contents of the dot matrix screen can give users clear instructions.

TF card supports MP3, WMA, WAV, APE, FLAC, TF format playback of up to 256G.

In radio mode: Automatic search and storage of radio station and large rotation pulley modulation are available.

In radio FM mode, up to 30 radio stations can be stored.

12/24 hour format can be selected.

Sleep shutdown time for a variety of periods can be set.

Power-on at the fixed time can be set.

Large-caliber 4-inch speaker of 4Ω and 8W is adopted and headphones can be used, which can meet demands of the majority of users.

With backlight display and backlight brightness setting, users can use it in the darkness.

A variety of intimate human functions, such as one-click mute, are available.

Power supply mode: AC or DC6v (AA1.5*4 dry batteries).

3: Radio switch:

First boot (not connected to network):

The radio has been connected to AC or loaded with four AA batteries.

The screen displays the characters “Boot up and connect to network” (indicating booting and connecting it to the network).

→ Configure network? (Whether the network needs to be connected)

----YES/NO (Two options: YES indicates that you need to connect the network and NO indicates that you do not need to connect the network)

The display shows a hint: “to previous, →to next, SELECT when done”(Press [◀] & [▶] to select it).

Select YES/NO and then press [ENTER] to confirm the selection. The main menu is displayed.

Operations to connect network WIFI (Refer to the following operation description 5.1.1)

If WIFI is connected, please connect the power supply or install the battery

Light press [POWER] and “Boot up and connect to network will be displayed.

Current time will be displayed. After about three seconds, the radio will be started.

Under the boot state, long press [POWER] to turn off the radio and time status will be displayed. After one minute, the screen will be off and enter the power saving mode.

4: Functions of buttons:

	On/off button Enter the main menu
	Exit (back)/The selection menu moves to the left. When music is played, if you select the previous song/play it on USB or TF card, and long press it, it will be played fast backward.
	The selection menu moves to the right. When music is played, if you select the next song/play it on USB or TF card, and long press it, it will be played fast forward.
MUTE	Enable or disable the mute function
PRESET	Enter the station fetch list/Enter the manual station storage mode
	Confirm Under music playing mode, this key can switch between pause/play.
AC IN	Plug in AC power cord to provide power to the machine.
[AA*1.5Vx4pcs] Back of the product	Insert the battery slot with four AA batteries. (Note: the disconnection of AC power cable will cut off the power supply to the dry battery.)
USB	Insert USB card to play music of USB card
TF	Insert TF card to play music of TF card
	3.5mm headset jack

	Select the station, select Menu Task and set time.....
	Volume knob (rotate it clockwise to turn up the sound while rotate it counterclockwise to turn down the sound)

5: Optional functions of [MENU]

 Internet Radio	 DAB Radio	 FM Radio	 Bluetooth	 USB	 SD	 Alarm	 Sleep Timer	 Configuration
Internet radio	DAB reception	FM reception	Bluetooth broadcast	USB play	TF card play	Alarm clock setting	Sleeping setting	Configuration setting
Refer to details in 5.1	Refer to details in 5.2	Refer to details in 5.3	Refer to details in 5.4	Refer to details in 5.5	Refer to details in 5.6	Refer to details in 5.7	Refer to details in 5.8	Refer to details in 5.9

Among the above nine menu, you can light press [] & [] or rotate [] to select work modes and press [ENTER].

5.1: **WI-FI network connection & network radio reception:**

5.1.1: WI-FI network connection: Select “” and light press [ENTER] to enter Internet radio mode.

If the machine is not connected to the network, it will give you a prompt to connect to the network first.

When the screen displays the following items for selection, please rotate [] to select them:

Network,<WLAN Scan>	Short press [ENTER] to select a network account. LCD will display SCANNING..... and display names of surrounding networks. Rotate [] to select the one with good “  ” signal. Press [Enter] to enter it and input WIFI password.
WLAN (WPS PBC)	Short press [ENTER] to enter WPS automatic connection.
SSI:[**]	If a network is connected, the IP number of the connected network will be displayed.
Signal:[**]	Network signal strength values will be displayed.

WLAN Scan

Enter passphrase											
密码显示区域											
1#	q	w	e	r	t	y	u	i	o	p	ⓧ
ABC	a	s	d	f	g	h	k	l	Enter		
-	-	z	x	c	v	b	n	m	.	,	:
		<						>		√	

“1#” (数字输入选择) ,
“ABC” (大小写输入选择) ,

In the password input area, light press []&[] to move it up or down or left or right to selection WLAN password numbers or letters or symbols. You can also clockwise rotate [] to select downward. If [] is rotated anticlockwise, you should select upward. Then, please press [ENTER] for confirmation.

※ When1#, ABC, abc are selected and [ENTER] is pressed, keyboard style English size word area/various symbols will be available.

After the correct passwords are entered, please press [ENTER] for confirmation.

LCD will display: “WI-FI connecting.”→ “WI-FI successful connection” WI-FI.

If the password is entered incorrectly, "Invalid passphrase" will be displayed.

※ After successful connection of WI-FI, LCD will automatically display the following “Time zone setting” window within three to five seconds.



At that time, rotate [] to select time zone in GTM:-12.0, -11.0, -10.0,-9.0,-8.0,-7.0,-6.0,-5.0,-4.0,-3.0,-2.0,-1.0 ,+0,+1.0, +2.0, +3.0, +4.0, +5.0, +6.0, +7.0, +8.0, +9.0, +10.0, +11.0, +12.0.Afterthe time zone is selected, light press [ENTER] to confirm it.

※: The date displayed will be automatically updated after network is successfully connected.

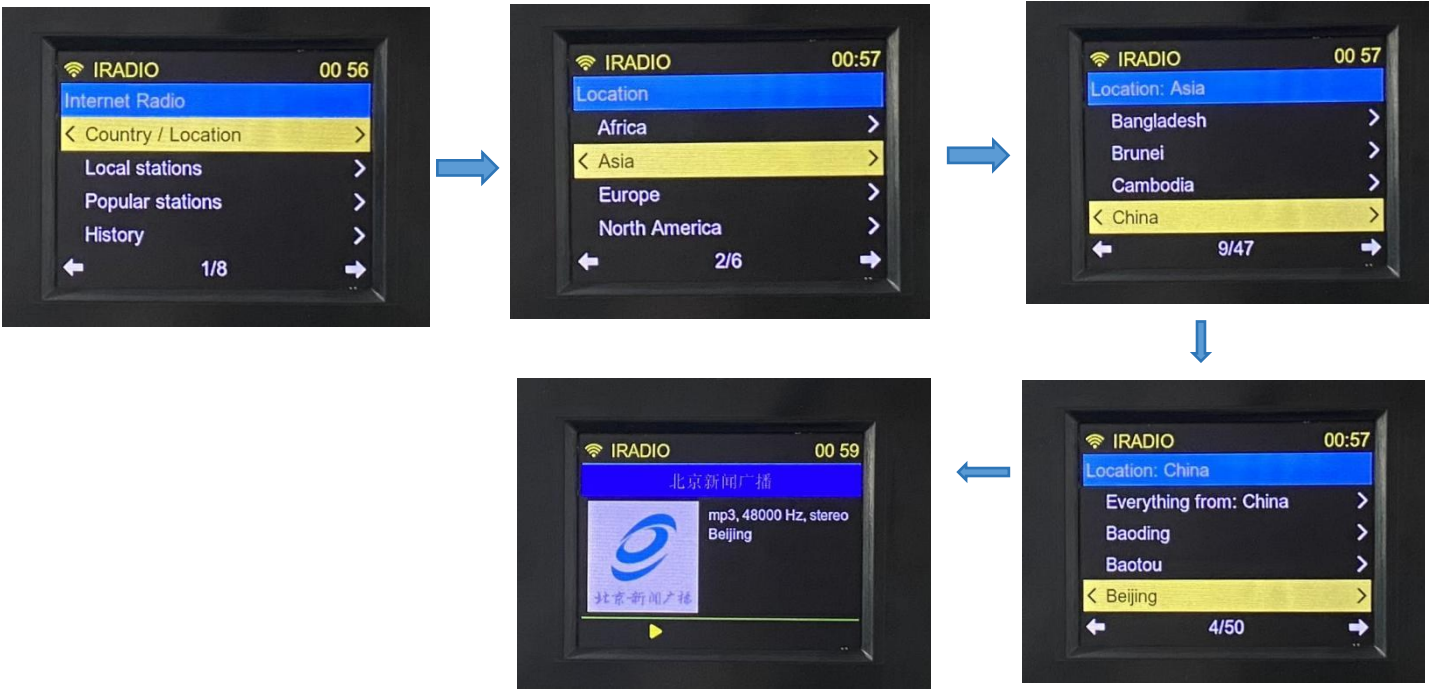
5.1.2: Network radio reception:

Select“Internet Radio” and light press [ENTER] to enter it. The following lists are provided. Rotate [] to select them and press [ENTER] to enter it.

Country/Location 1/8	Local stations 2/8	Popular stations 3/8
History 4/8	Search 5/8	By language 6/8
By genre 7/8	My favorite 8/8	

Example: Steps to play “Beijing News Radio” radio station are shown as follows:

Select Country/Location and press [ENTER] to ENTER the region list. Find Asia and then press [ENTER] to enter the country list. Find China and then press [ENTER] to enter the city list. Find Beijing (Beijing) and press [ENTER] to ENTER the radio station list. Find “Beijing News Radio” radio station and press [ENTER] to play it. Specific operations are shown as follows:



5.1.3: Steps to search for radio stations in Internet radio (Search)

Example: Steps to play “Apple FM” radio station are shown as follows:

Select Search and press [ENTER] to ENTER the search interface. Press light press [◀]&[▶] to move up, down, left and tight and enter the name of the radio station. [ENTER] it and input the name and keywords of the radio station. Long press [ENTER] to search for it. Radio station found will be displayed in the list of radio station. Then, select “Apple FM” radio station and press [Enter] to play it. The specific steps are shown in the following figure:





5.1.4. When the radio station fails to play, “play fail” will be displayed. When the network is disconnected, “Connect to network” will be displayed:



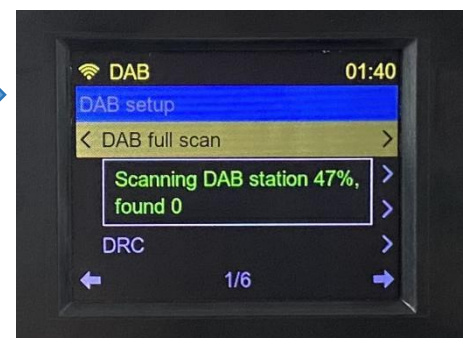
5.1.5. Station storage/station fetch:

Station fetch: light press “[PRESET]” to enter the list of station storage. If the radio station is not stored, “empty” will be displayed.

Station storage: Rotate [TUN] to select radio station. Then, **short press [ENTER] to store the station**. Long press [PRESET] to display the PRESET STORE. Rotate [TUN] to select the station number and light press [ENTER] to confirm it. “PRESET **SAVED” will be displayed and 30 radio stations can be stored.

5.2: Enter DAB for signal reception:

Select “” and light press [ENTER] and a hint will pop up to ask whether you will enter DAB automatic station search. Press [ENTER] to confirm it and the station search interface will be displayed. After radio station is found, the list of radio stations will be displayed. Rotate [TUN] to select radio stations. Press [ENTER] to enter the playback interface according to the following steps:





5.2.1: DAB station storage

On DAB playback screen, long press [PRESET] to enter the storage station list. Rotate [TUN] to select the storage station number. Press [ENTER] and “PRESET **SAVED” will be displayed:



5.3: Enter FM for signal playback:

Selection “” and press [ENTER] to enter it:

FM radio frequency receiving range: 87.50-108.00MHZ (step value: 0.05MHZ)

5.3.1. Manual control: in the FM mode, rotate [TUN] and it will increase and decrease according to the minimum step value of “0.05MHZ”.

* In tune or play mode... when LCD displays“☆”, it means that the frequency has been saved to the playlist.

5.3.2: Automatic search and storage of radio station: in FM mode, long press [SCAN] for 2 seconds to enter automatic scan and search station. The display will display: scan FM radio station, such as: “Scanning FM station, frequency: 87.5 MHZ, found **” and the station will be automatically deposited to the radio station.

It will be searched from the lowest frequency point of the current receiving band to the highest frequency point and will stop scanning and search automatically.

* Tips: FM can store up to 30 stations. The number of the radio station stored depends on the strength of local signals.

5.3.3: Manual storage of radio stations: Select your favorite radio station and long press [PRESET]. The screen will display “FM PRESET STORE”. Rotate [] to select the station stored. Press [ENTER] for confirmation.

5.3.4: Station fetch operation:

Radio stations are stored according to steps of 4.3.2 and 4.3.3.

Light press [PRESET] [] and LCD will display the “preset list”. Rotate [] clockwise and counterclockwise to adjust the station and select the radio station upward and downward till your favorite station is selected. Then light press [ENTER] to play the current radio station stored.

5.4: Bluetooth broadcasting

Select “  ” and press [ENTER] to enter it:

Bluetooth connection code of this radio: HRD-806. After the Bluetooth is connected, turn on the Bluetooth device to listen to music.

Light press [] & [] to select the previous song and the next song.

Short press [ENTER] to switch between pause and play.

Long press [ENTER] to disconnect BT connection.

5.5: USB play:

Select  and press [Enter] to enter it.

Insert USB flash disk correctly to display playback time/song number/total number of songs.

It can support 256G to the maximum and songs of MP3, WMA, WAV, APE, FLAC formats can be played.

Short press [] & [] to select the previous song and the next song.

Long press [] & [] for fast forward and fast backward operations.

Short press [ENTER] to switch between pause and play.

If the USB flash disk is not inserted, “No Device” will be displayed.

5.6: TF card broadcasting:

Select  and press [Enter] to enter TF card play mode.

Insert TF card according to the TF card patter .

LCD display: playback time/song number/total number of songs

Short press []&[] to select the previous song and the next song.

Long press []&[] for fast forward and fast backward operations.

Short press [ENTER] to switch between pause and play.

It can support 256G to the maximum and songs of MP3, WMA, WAV, APE, FLAC formats can be played.

If the USB flash disk is not inserted, “No Device” will be displayed.

5.7: Alarm clock setting:

Select  and press [Enter] to enter alarm clock setting mode.

5.7.1: Alarm clock setting:

After entering the interface to set the alarm clock, the alarm clock will be closed by default and off will be displayed. Then, select Alarm 1 to enter the setting interface and save the setting after it is well set. When the alarm clock is opened, the alarm clock icon will be displayed in the lower right corner as shown in the following figure:



Enable : Off	Press [Enter] to set alarm clock time. Rotate [] to select Off / Daily / Once /Weekdays / Weekends. After it is selected, press [ENTER] for confirmation.
Time: 00:00	Set the time of alarm clock. Rotate [] to select the hour of alarm clock.

	Press [] and the minute flashes. Rotate [] to select minutes of the alarm clock. Press [ENTER] for confirmation.
Mode : DAB	Set sound of the alarm clock. Rotate [] to select DAB/FM/BUZZ. Press [ENTER] for confirmation.
Preset last listened	When FM is selected as the alarm clock, you can choose last listened (the radio station last listened /list of the radio stations stored(or one of the radio station in the list of radio stations) Rotate [] for selection. Press [ENTER] for confirmation.
Volume:10	Set the sound of alarm clock. Rotate [] for selection. Press [ENTER] for confirmation.
Saved	After it is selected, rotate [] to SAVED taskbar. Press [ENTER] for confirmation.

When the startup alarm rings, the alarm clock icon will flash.

5.7.2 Sleepiness setting:

Short press [POWER] to turn off the alarm clock. Light press any button other than [POWER] to enter the sleepiness state. The sleepiness time is 9minutes, after that, the alarm will ring again.

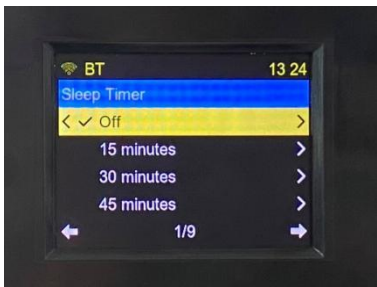
5.7.3: Close “Alarm” alarm clock:

Return to the alarm clock setting. “off” selected indicates that the alarm clock is not started. Rotate [] to SAVED taskbar ad press [ENTER] for confirmation.

5.8: Setting of sleeping time:

Select  Press [Enter] to set sleeping time (automatic shutdown time).





Off	Close
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15minutes	Rotate [] for selection. Press [ENTER] for confirmation.
30minutes	Rotate [] for selection. Press [ENTER] for confirmation.
45minutes	Rotate [] for selection. Press [ENTER] for confirmation.
60minutes	Rotate [] for selection. Press [ENTER] for confirmation.
90minutes	Rotate [] for selection. Press [ENTER] for confirmation.
120minutes	Rotate [] for selection. Press [ENTER] for confirmation.
150minutes	Rotate [] for selection. Press [ENTER] for confirmation.
180minutes	Rotate [] for selection. Press [ENTER] for confirmation.

After setting, LCD will display“” the countdown between shutdown.

※: It will be automatically off within the automatic sleep shutdown time set. Then, “” will disappear on the LCD.

5.9: Introduction to operations of setting contents:

Select  and press [Enter] to enter system setting as shown below:



Rotate [] to show the following contents and press [ENTER] for confirmation.

Network	Date &Time	Language
DAB setup(DAB)	FM setup	Resume play options
Dimmer	EQ	Buffer time:[*seconds]
Information	Software update	Reset to default

5.9.1: The Internet can be connected and time can be updated according to the above operations in 4.1.1.

5.9.2: Date & Time:



Rotate [TUN] to show the following contents and press [ENTER] to set them.

Set Date and Time	Note: Manually set the time. This operation can be performed when NTP is set to “DO not use network”.
NTP:[Use network time]	Use network time Do not use network
Time zone	GTM:±12
Set time formal	12/24 hour
Set date formal	DD/MM/YYYY MM/DD/YYYY
Set time from DAB:[on]	On/off
Set time from FM:[on]	On/off

5.9.3. Language setting:

Rotate [TUN] to enter the following setting and press [ENTER] for selection.

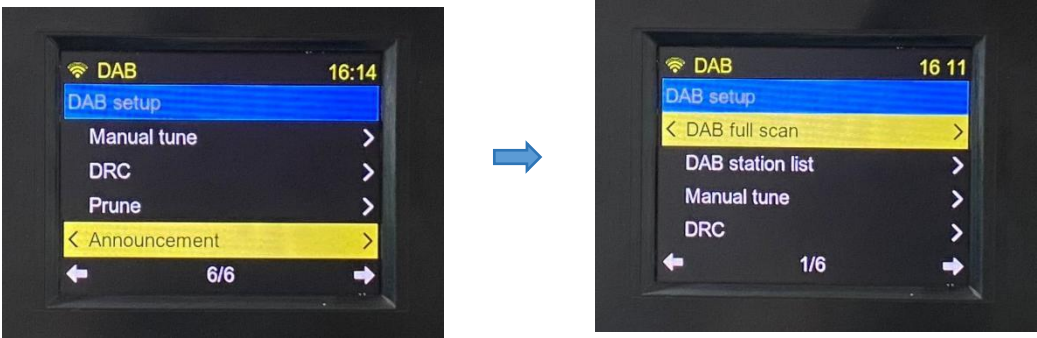


Eight languages can be selected. After they are selected, you can press [ENTER] for confirmation.

English	Deutsch	Ltaliano	Francais
Nederlands	Espanol	Polski	Cestina

5.9.4: DAB setup

Note: The full menu can only be displayed in DAB playback mode and the general menu only displays DAB full scan and DAB station list.



Rotate [TUN] to show the following setting contents. Press [ENTER] for confirmation.

DAB full scan	Automatic station search
DAB station list	List of DAB radio stations
Manual tune	5A 174.928MHZ-13F 239.200MHZ
DRC	Dynamic control range. DRC off/DRC low/DRC high
Prune	YES / NO
Announcement	Off/On/No TA/Only TA

5.9.5: FM setup

Note: The full menu is only displayed in FM playback mode and the general menu only displays FM full scan and FM station list.

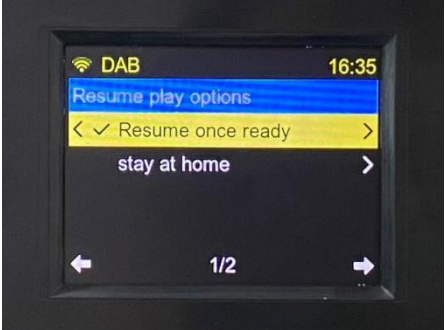


Rotate [TUN] to show the following setting contents. Press [ENTER] for confirmation.

FM full scan	Automatic station search
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FM station list	Radio stations stored
Scan setting	All station / strong station only

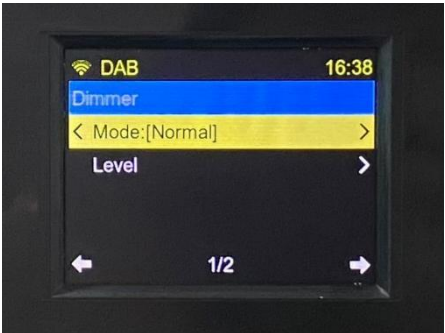
5.9.6. Resume play options



Rotate [TUN] to show the following setting contents. Press [ENTER] for confirmation.

Resume once ready	Resume once ready
Stay at home	Turn on the machine to go back to the main screen

5.9.7: Dimmer backlight setting



Rotate [TUN] to show the following setting contents. Press [ENTER] for confirmation.

Model:[Dim]	Normal / Dim
Level	Bright:[60%] / Dim:[20%]

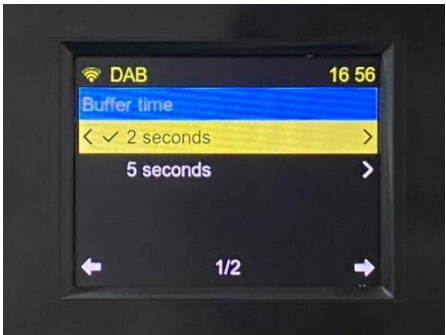
5.9.8:EQ sound design setting



Rotate [TUN] to show the following setting contents. Press [ENTER] for confirmation.

Flat	Flat
Classical	Classical
Rock	Rock
Pop	Pop
Jazz	Jazz
Dance	Dance
Manual	Manual adjustment Light press [ENTER] for selection Bass Treble After it is selected, you can rotate [TUN] to select numbers±14. Press [ENTER] to confirm numbers selected.

5.9.9. Buffer time: [2 seconds] cache time

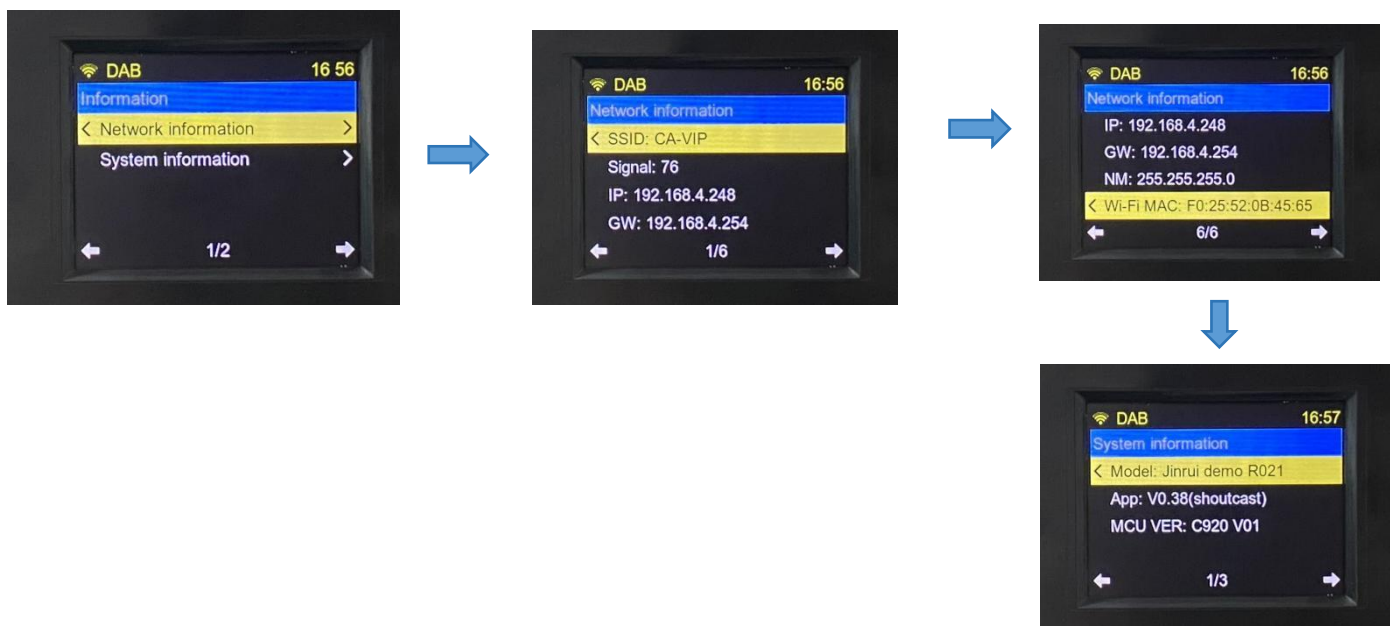


Rotate [TUN] to show the following setting contents. Press [ENTER] for confirmation.

2 seconds	Two minutes
5 seconds	Five minutes

5.9.10. Network information and system information

Rotate [↺^{TUN}↻] to show the following setting contents. Press [ENTER] for confirmation.



5.9.11: Software update

Press [◀]&[▶] for selection. Press [ENTER] for confirmation.



5.9.12: Reset to default

Press [◀]&[▶] for selection. Press [ENTER] for confirmation.



6: Mute (Mute setting):

In power-on playback mode, light press [MUTE] to turn mute on and the screen will display “”.

Light press [MUTE] again to remove mute setting and resume normal playback.

7: Pause/Play:

In music playing mode [SD, Bluetooth, USB], light press [] to pause the broadcasting and the screen will display “PAUSE”.

Light press [] again to resume play.

8: Antenna usage:

When receiving FM radio, you can pull out the antenna and change the antenna length to find the optimum reception position.

*Hint: If there is strong radio station interference, which leads to the appearance of many stations, you can shorten the rod antenna.

9. Main technical parameters:

Receiving range	FM: 87.5-108MHZ DAB: 174.928MHZ-239.200MHZ
Receiving sensitivity	FM ≤ 15 dB DAB ≤ -48 dB
Static current	$\leq 200\mu\text{A}$
Maximum current	$\leq 890\text{MA}$
Loudspeaker	4 寸, 4 Ω , 8W
Signal-to-noise ratio	40 dB
Radio station storage capacity	90 (30 radio modes, 30 FM modes, 30 DAB modes)
Bluetooth version	VER 5.0
Bluetooth receiving distance	≤ 10 meters
DC	DC6V (1.5V $\times$ 4 AA battery)
AC	220V-240V,50hZ / 110V,60hZ
TF/USB card playback format	Support MP3, WMA, WAV, APE, FLAC formats
Maximum capacity of TF card	256G
Product size	218x128x73mm
Net product weight	826g

10. Matters needing attention:

Before using the product, you should ensure that you can follow basic safety tips as follows so as to ensure safe and reliable use of the products:

- ◆ Read and understand all safety guidelines and usage information.
- ◆ When “□” of the dry battery appears or the outer frame of “□” flashes, it means insufficient electric quantity. Please change the battery so as to ensure normal usage.
- ◆ If the machine is not used for a long time, please unplug AC power supply and remove the dry battery.
- ◆ Do not expose this product to rain, moisture, dripping or splashing of any liquid.
- ◆ Do not expose this product to high temperature heat source and do not roast or blow bake it at high temperature.
- ◆ Do not place the product in direct sunlight for a long time.
- ◆ Do not let the product fall or be hit or put heavy pressure on it.

FCC 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:

- 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.

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 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.