

RADDY

RF750PLUS

Mini Multi-band Radio/

Bluetooth / TF Card / APP Intelligent Remote Control / SOS Alarm

User Manual



Sustainable innovation and satisfying users' needs have always been our company's principle in new product R&D.

RF750PLUS is a digital tuning mini multi-band/multi-functional radio produced by us with all efforts.

Please read this manual carefully before use.

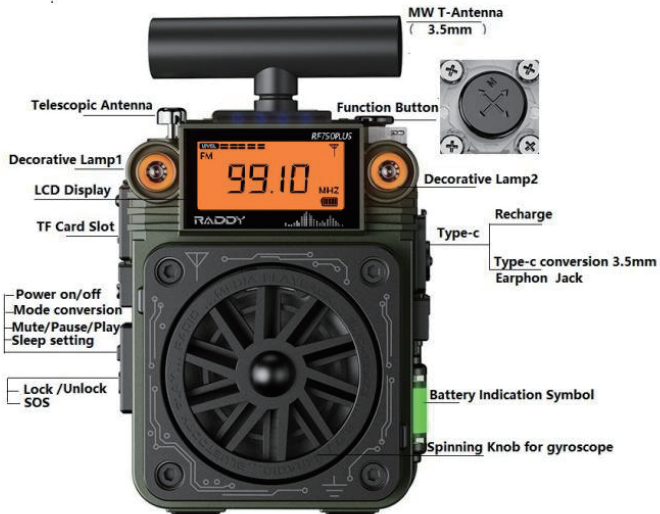
Thank you for buying our product and please keep this manual properly.

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1: Outside view and functions

1-1: Functions on the front



1-2: Functions on the back



1-3: Buttons on the top



1: Time mode: Long press it to set the light.

If the radio is connected APP, you can double click it to exit APP connection quickly.

2: Radio mode: Lightly press it to enter recall memory station (see provision 8.1-8.4).

Double click it to enter Fully automatic search for storage stations.

On Recall memory station mode,after select the deleting station number,long

Press the button 2 second for deleting the memory station.

Not on recall memory station state,Long press it to enter select EQ mode,Lightly press it to elect EQ.

3: TF card mode: Lightly press it to select play modes (see provision 8.6).


M

	<p>Long press it to enter select EQ mode,Lightly press it to elect EQ.</p> <p>4: Bluetooth mode: Long press it to enter select EQ mode,Lightly press it to elect EQ. Double click it to disconnect Bluetooth.</p>
▲	<p>1: Clock display status: At the position of “▲”, push it forward. When the symbol of alarm clock appears, at the position of “▲”, push it forward again to set the alarm clock/auto power on (see provision 10).</p> <p>2: Working mode: At the position of “▲”, push it forward to reduce the volume progressively.</p>
▼	<p>1: Clock display status: At the position of “▼”, push it backward to set the time (see provision 9).</p> <p>2: Working mode: At the position of “▼”, push it backward to increase the volume progressively.</p>
◀	<p>1: Set/adjust the time: At the position of “◀”, push it to the right to adjust the time.</p> <p>2: Radio mode: At the position of “◀”, push it to the right to increase the frequency progressively.</p> <p>At the position of “◀”, push it to the right for 2 seconds to search a channel automatically.</p> <p>In the mode of taking a channel, at the position of “◀”, push it to the right to select a channel.</p> <p>3: TF card mode: at the position of “◀”, push it to the right to select the next song.</p> <p>At the position of “◀”, push it to the right and hold it for fast forward play.</p> <p>4: Bluetooth mode: at the position of “◀”, push it to the right to select the next song.</p>
▶	<p>1: Set/adjust the time: At the position of “▶”, push it to the left to adjust the time.</p> <p>2: Receiving mode: At the position of “▶”, push it to the left to reduce the frequency progressively.</p> <p>At the position of “▶”, push it to the left for 2 seconds to search a channel automatically.</p> <p>In the mode of taking a channel, at the position of “▶”, push it to the left to select a channel.</p> <p>3: TF card mode: at the position of “▶”, push it to the left to select the previous song.</p> <p>At the position of “▶”, push it to the left and hold it for fast backward play.</p> <p>4: Bluetooth mode: at the position of “▶”, push it to the left to select the previous song.</p>



2: Power ON/OFF

This product uses lithium batteries. Please charge it first before the first use.




The radio is locked in factory by default. Please unlock it first before the first use.


Lightly press “

In the time display status, double click “SOS” to unlock the radio.

Lightly press “” within 10 seconds of unlocking to turn on the radio.
Long press “” to turn off the radio.

3: Set the time of auto power off

In the time display status, long press “” to show the sleep power off symbol “”.
Lightly press “” to select the time of sleep auto power off from 90, 80, 70, 60, 50, 40, 30, 20 and 10 minutes.

The radio is turned on after two seconds of selecting the time of sleep auto power off.
After the radio is turned on, the symbol “” appears on LCD.
The radio will be turned off automatically at the adjusted time of power off.



4: Replacement of battery





Push up in direction of arrow to open the battery cover and replace the BL5C lithium battery



Align the positive and negative contact points of batteries with the three contact points of battery jar and push up. Pay attention to the positive and negative anodes. Close the battery cover.

5: Adjust the volume

When the radio is turned on, push “” backward to increase the volume (level 32 is the max volume) and push “” forward to reduce the volume (level 0 is the min volume).

5.1 Enable/disable the mute function

In the Radio receiving mode, lightly press “” to enable the mute function.
The symbol “” appears on LCD.

Lightly press “” again to disable the mute function. The symbol “” disappears.

5.2 Enable the pause/play function

In the TF card/Bluetooth mode, lightly press “⏻” to enable the pause function. The symbol “⏻” appears on LCD.

Lightly press “⏻” again to disable the pause function. The symbol “⏻” disappears and the play symbol “▶” appears.

6: TYPE-C USB: charge

Charge: We recommend to charge the radio with DC5V/1A-DC3A charger to prevent damage to the lithium batteries or the radio.

If the lithium batteries are not in use for a long time, please charge them every month.

The symbol “🔋” flashes after inserting the USB cable, which means it’s charging.

“🔋” means the radio is charged fully. The time of charging fully is 4-5 hours.

Note: The level light on the right means battery level:

The red light is on when battery level is $\leq 30\%$

The orange light is on when battery level is $>30\%$ and $\leq 80\%$

The orange and green light are on when battery level is $>80\%$












The level light flashes when charging.

The level light stops flashing when the radio is charged fully.

7: Symbols on LCD

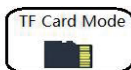
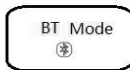


	Signal intensity in the receiving mode
	Electric screen in the Bluetooth/TF card mode
FM	Frequency modulation
AM	Amplitude modulation/clock display mode: Morning of 12-hour system
SW	Short wave reception

WB	Weather band reception of North American countries
PRESET	Search, store/taking channels automatically
	All buttons are locked
	Shuttle lock
100:00 ⁵	FM mode: frequency display/Bluetooth mode: bt/TF mode: play time
	Sleep symbol
	Flashing means searching the Bluetooth device; stopping flashing means the Bluetooth device connected
	APP connection status
	TF card play mode
	Play
	Radio Receiving: mute Bluetooth/TF card: pause
	Scheduled power on/scheduled alarm clock
bU2	Scheduled alarm clock
PO11	Scheduled power on
	USB electricity
	Charge/battery level
MHZ	Unit
KHZ	Unit
PM	Afternoon of 12-hour system
b r E	Flashing mode of decorative lights on the left and right of LCD
AU E O	The light will be off automatically after 5 seconds
OFF	The light is off
ON	The light is always on

8: Receiving mode

This product supports the following working modes:





When the radio is turned on, double click “” to switch between the above modes.

8.1: Listen to the radio

This product supports the following four receiving wave ranges:

Country/region	FM	AM	SW	WB
China/Europe/Korea/Taiwan	1: 87.5-108.0MHZ	522-1710KHZ (9KHZ)	4.75-21.85MHZ	/
North American countries/Canada/Latin America/South America	2: 87.0-108.0MHZ	520-1710KHZ (10KHZ)	4.75-21.85MHZ	162.40-162.55MHZ
Japan	3: 76.0-108.0MHZ	522-1710KHZ (9KHZ)	4.75-21.85MHZ	/
Russia	4: 64.0-108.0MHZ	522-1710KHZ (9KHZ)	4.75-21.85MHZ	/

How to select a receiving wave range:

In the time display status, push “” to the right and hold it for 2 seconds to show a number from 87.5/87/64/76 on LCD, and push “” to the left or right to select. The number you select finally will be the default one.

If you select 87, the radio will receive the ranges in item 2.

When the radio is turned on, double click “” to switch between the bands.

Note: Unless otherwise specified, the second frequency will be the default one.

8.2: Use of antenna

8.2.1: When receiving FM/SW/WB, you pull out the rod antenna and change the antenna length to find

the best receiving position.

*Reminder: In case of channel chaos due to strong interference, please shorten the antenna.

8.2.2: You must insert the standard AM magnetic antenna to receive AM.

You can rotate the AM antenna 360° to find the best receiving effect.

Random option: T-type antenna.



Open the dustproof plug and insert the standard 3.5mm T-type antenna

8.3 Listen to FM

8.3.1 Methods of searching channels:

searching channels manually

search channels automatically

searching channels with shuttle


searching and storing channels automatically

8.3.1.1: Searching channels manually: push “

8.3.1.2: Searching channels automatically: push “

8.3.1.3: Lightly press “LOCK/SOS” to unlock and rotate the shuttle to select a channel.


Note: Select a channel with shuttle in FM mode. The min step value is 0.05MHz.


8.3.1.4: Searching and storing channels automatically: in receiving mode, double click “

In the process of searching channels automatically, the address of storing a channel “CH**” (numbers mean the address of storing a channel) appears on LCD after finding a channel. After a round of search is finished, search will stop automatically and the first frequency stored will be played.

*Reminder: Up to 99 channels can be stored, and 297 channels can be stored in total.


8.3.2: Taking a channel


After searching and storing channels automatically according to provision 8.3.1.4, lightly press “


Lightly press “

9

8.3.3:Deleting memory stations

lightly Press the “

long press the “

Press “

Note: You cannot delete existing stations when they are not in recall station mode.

The deleted preset station number is in the vacant state, and the vacant preset station number is skipped when the station is fetched.

8.4: Select an EQ

In the Radio receiving mode, and not on recall memory station state

Long press “

“E0.....E6” appears on LCD. Lightly press “

E0: Turn off the EQ


E1: NORMAL, E2: POP, E3: ROCK


E4: JAZZ, E5: CLASSIC, E6: COUNTRY


Notice:after elect the E0 of the EQ,the running lights at the top are turned off.


8.5 Bluetooth mode

Bluetooth name: “RF750 PLUS”


When the radio is working, double click “


The Bluetooth symbol “

After clicking on the phone to connect successfully, the Bluetooth symbol “

Double click “

You can use the mobile phone or this product to control the volume or select the previous song or the next song.

On the radio, push “

push “

push “

10

push “⏮” forward to reduce the volume

Lightly press “LOCK SOS” to unlock the top and rotate the top to select a song quickly.

Play/pause: Lightly press “⏮” to show the pause symbol “⏸” on LCD.

Lightly press “⏮” again to resume play. The play symbol “▶” appears on LCD.

EQ selection: In Bluetooth mode, long press “⏮” to enter select EQ mode,

Lightly press “⏮” to select from six EQ: E1.....E6.

E1: NORMAL, E2: POP, E3: ROCK

E4: JAZZ, E5: CLASSIC, E6: COUNTRY

8.6: TF card play



Open the TF card cover on the left side of the machine



Insert TF card

Install the TF card correctly and close the dustproof cover.


Insert the TF card and give priority to the songs in TF card.


Take out the TF card: By lightly pressing the TF card, it will come out automatically.

(Double click “⏮” to switch to other modes. Or in another mode, double click to switch to the TF card mode)


On the radio, push “⏮” to the right to select the next song, push “⏮” to the right and hold it for fast forward


push “⏮” to the left to select the previous song, push “⏮” to the left and hold it for fast backward


push “


push “

Lightly press “LOCK SOS” to unlock the top and rotate the top to select a song quickly.

Play/pause: Lightly press “

Lightly press “


EQ selection: In TF card mode, long press “

Lightly press “

E1: NORMAL, E2: POP, E3: ROCK

E4: JAZZ, E5: CLASSIC, E6: COUNTRY

Selection of play mode

In TF card mode, lightly press “

RA: repeat all; RO: repeat one

RF: repeat file; RR: random

TF card supports up to 256G

TF card supports mp3/WMA/WAV /APE/FLAC

TF card support up 65535 files

Reminder:



In case of sound vibration for reason of song source when playing the music in TF card, please adjust the volume.



When the radio is working in receiving and Bluetooth mode, if the music in TF card cannot be played, “Err” appears. If there is something wrong with song source or the TF card is broken, please replace it with a normal one.



9: Set the running time


Lightly press “


11

Push "" backward and hold it to enable the "hour" to flash. Push "" to the left or right to adjust the hour.

Push "" backward to enable the "minute" to flash. Push "" to the left or right to adjust the minute.

Push "" backward and push "" to the left or right to select the time system: 12HR/24HR.


Push "" backward again to confirm the final time.




You can also correct the time in APP mode. Lightly press " Time Service "





 to correct current time quickly.


Reminder: "12Hr" time system on LCD: "AM" means morning and "PM" means afternoon.

10: Set the scheduled power on/scheduled alarm clock

Lightly press "" or "LOCK SOS" to enable the time display.



Push "" forward to show the symbol of alarm clock on LCD. Push "" forward again and hold it to enable the hour and the symbol of alarm clock to flash. Push "" to the left or right to select the hour.

Push "" forward to enable the symbol of alarm clock and the minute to flash on LCD. Push "" to the left or right to select the minute. Push "" forward and push "" to the left or right to select.

After selecting scheduled power on "Pon" or scheduled alarm clock "BU2", push "" forward again to confirm.

Differences between selecting scheduled power on "Pon" and scheduled alarm clock "BU2":


10.1: Select scheduled power on "Pon"

Push "" forward to show the time of auto power off on LCD. Push "" to the left or right to select the time of power off: 10, 20, 30, 40, 50, 60, 70, 80, 90 and FULL (the radio will not be turned off after being turned on).



Note: The time of power off is calculated in minutes.

Push "" forward to confirm the final selection.



Note: After selecting the mode of auto power on, if the radio is working in Bluetooth mode before power off, you should click on Bluetooth device to play after auto power on. After selecting the time of auto power off after auto power on, the radio will be turned off at the selected time.

The symbol of auto sleep power off "" appears on LCD.



10.2: Select scheduled alarm clock "BU2"

Push " forward and then push it to the left or right to select a ringtone: "P1" and "P2". After selecting, push " forward to confirm.

"BU2" scheduled alarm clock: At the preset time of alarm clock, the alarm clock will ring louder and louder for 3 minutes every 5 minutes.

By pressing " and ", the alarm clock will enter the nap state.


10.3: Disable the alarm clock function



Push " forward to disable the alarm clock. The alarm clock symbol " disappears.

11: Set the light

LCD backlight/two decorative lights on the left and right of LCD/key base light/two key lights on the left/level light on the right

The time of turning on the above lights can be selected as follows:



Lightly press " or "LOCK SOS" to enable the time display.

In the time display state, long press " for 2 seconds to start the light setting. Push " to the left or right to select the light mode. The following options can be seen on LCD. The final selection will be the default one.


Options on LCD	Time
ON	The light is always on
AUTO	All lights will be off automatically after 5 seconds
brE	Flash
OFF	The light is off


Note: In the time display state and any light mode, the screen will be off in 10 seconds and enter the power saving mode.


12: Lock/unlock


This product has two lock switches: 1: top lock ", 2: key & top lock ".

12.1 Enable the top lock: lightly press "LOCK/SOS" to lock the top knob.


The top knob lock " appears on LCD, now the knob is locked.


Lightly press "LOCK/SOS" to disable the top knob lock. The top knob lock " disappears.

* **Note:** After LCD is turned on, the top knob will be locked automatically after 5 seconds in case of no operation and will be used normally after lightly pressing "LOCK/SOS" to enable the top knob lock .

12.2 Enable the key and top lock "": double click "LOCK/SOS" to show "" on LCD.

Now SOS key can be used normally, while other keys are locked.

Double click "LOCK/SOS" again, and "" disappears.

The top knob lock "" disappears, now the top knob can be used normally.

13: Enable/disable the SOS alarm function

Power of emergency function: max output of SOS alarm: >3W; power of flashlight: 1W.

Enable the SOS alarm: Long press "LOCK/SOS" for 2 seconds to enable the SOS alarm.

Disable the SOS alarm: Lightly press "LOCK/SOS" to cancel the SOS alarm.

***Note:** This function can be used even if the radio is locked.

14: Connect the earphone with Type-c to 3.5mm USB cable

Type-c to 3.5mm USB cable can be used to connect the radio to the earphone.



Open the type-c cover



Use type-c to turn
the 3.5mm cable



Plug in the 3.5mm
headphones

15. Key technical parameters

Receiving range	FM: 87.0-108MHz AM: 520-1710KHz SW: 4.75-21.85MHz
	WB: 162.40-162.55MHz
Receiving sensitivity	FM \leq 18dB AM \leq 86dB SW \leq 30dB WB \leq 18dB
Quiescent current	\leq 50 μ A
Max current	\leq 800mA
Speaker	4 Ω 3W
Signal to noise ratio	FM \geq 45dB AM \geq 35dB SW \geq 36dB
Number of channels stored in receiving mode	297
Bluetooth version	VER 5.2
Bluetooth receiving distance	\leq 10m
Min working voltage	3.4V
External input voltage	DC5.0V
Lithium battery	3.7V
Play format of TF card	MP3/WMA/WAV /APE/FLAC
Max capacity of TF card	256G
Dimension	56x75x44mm
Weight	226g (including batteries)

16. Matters needing attention

Please comply with the following safety tips to use this product, ensuring safe and reliable use.

- ◆ Read and know all safety instructions and use information.
- ◆ When the battery symbol "☐" appears or the frame of the symbol "☐" flashes, it means low battery level. Please charge the battery timely to ensure normal use.
- ◆ Please use the charging device with input voltage of DC5V/1A-DC3A to charge the battery, or the battery or the device will be probably damaged.
- ◆ If the radio is not in use for a long time, please charge it once a month.
- ◆ Keep the product away from rainwater and damp. Do not drop or splash any liquid onto the product.
- ◆ Keep the product away from high-temperature heat source. Do not bake or blow the product at high temperature.
- ◆ Avoid direct sunlight for a long time.

17. Regarding APP connection

17.1: Illustration of Mobile APP Download Instructions:

Step 1: Power on the radio

Step 2: Install the APP software

Step 3: Successful installation on the mobile home screen

Step 4: Click to enter APP mode, then select "RF750 PLUS-BLE" and click to connect.



Exiting APP Connection Operation: In clock display mode, double-click [] continuously. The LCD will display "BLE OFF," indicating that the APP connection has been terminated.

17.2: APP Installation

If the Radio-c APP has already been downloaded, there is no need to download it again. You can directly click to connect to the RF750 PLUS-BLE name.

A: For Android and HarmonyOS phones, please scan the following QR code to install the APP.
Android and HarmonyOS phones support installation via the phone's browser to scan the QR code. For detailed instructions, please refer to [specific instructions17.2.1].

B: For Apple devices, please visit the "App Store" and search for "Radio-CT" to download.

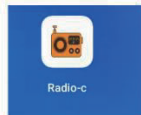
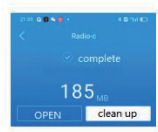
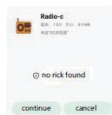
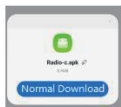


For Android and HarmonyOS phones, please scan this QR code to install the APP.



Apple Devices: You can search for “Radio-CT” in the App Store to download and install. Alternatively, you can scan the QR code above to access the App Store for downloading.

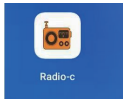
17.2.1: After enabling the browser to scan the installation QR code for RF750 PLUS, follow the prompts: click “Download,” then click “Continue Installation.” Once the installation is complete, click “Open Application.” The APP icon will appear on the mobile home screen.



17.3: Entering APP Mode for Use:

Click the APP icon on the mobile home screen to access it. Tap the symbol in the bottom right corner of the APP interface,

select “Allow,” then click the symbol again. Choose RF750 PLUS-BLE to establish a successful connection.



Android/HarmonyOS Mobile



Apple Mobile Download Desktop icon













Download Desktop icon





17.4: FM Working Mode Key Function Introduction in the APP







symbol	Key function descriptions
Demodulation WFM	FM Demodulation: WFM, AM/SW Demodulation: AM WB Demodulation: NFM
Bandwidth 200	Bandwidth: 200KHz
SNR	Signal to Noise Ratio
RSSI	Receive Sensitivity
VOL **	Sound level Indicator
Band FM	FM Working receive mode[Tap to switch radio bands]
	View Device Version
	Battery Indicator
	Radio frequency display,working mode display
	Edit the frequency name: long press this position, input the present frequency name according to the language tips. Such as FM99.1MHZ is the radio station in Longgang of Shenzhen City, you can store it manually.
Preset **	Recall / Memory station number
	Music playback mode switch key switch to TF card/Bluetooth playback mode
	Enable and unmute mute
MHZ, KHZ	Unit
MEMO	Recall station: Tap to enter the Recall mode, Press [↔] to select the recall station Tap the MEMO button again to exit the recall station mode.
	Manual storage station:Find the target frequency, long press [MEMO] button, "Preset"symbol is blink, press [↔] Select the storage address number. Press and hold [MEMO] to confirm the storage.

	<p>Digital key press frequency: press [ENTER] key first, press the effective target frequency on the digital keyboard, press [ENTER] key to confirm that you can directly press the required playback frequency.</p> <p>Access key: On the numeric keypad, directly click the address number of the outgoing storage station, press [ENTER] key to confirm. If "Present--" is displayed, it is empty.</p>
<p>METE</p>	<p>Short-wave receiving mode Fast select to meter wave: 4.75MHz/5.60MHz/7.35MHz/9.90MHz/12.1MHz/ 13.87MHz/15.8MHz/17.9MHz/19.1MHz/21.85MHz</p>
<p>SCAN</p>	<p>Long press to enter the automatic search storage station</p>
<p>ENTER</p>	<p>Enter, confirm key</p>
<p>BAND</p>	<p>Tap to switch radio bands</p>
<p>↔</p>	<p>Frequency increment, decrement, deposit station, take station address number selection</p>
<p> 12:00</p>	<p>Tap to enable the alarm function. Tap again to disable the alarm function. Hold down to select: Buzzer/Startup on mode. Click on any mode to enter the alarm time setting (select the alarm time when the radio arrives at power on: beep.....) , select turn on is arrive at the start time radio turn on)</p>
<p>VOL + -</p>	<p>VOL+: Volume increases VOL-: Volume decreases</p>
<p></p>	<p>Tap to power on, and tap again to power off.</p>
<p>LOCK</p>	<p>Press and hold [LOCK] to LOCK the radio. Press and hold [Lock] again to unlock the radio.</p>
<p></p>	<p>The mobile APP connects to the entry button of the RF750PLUS radio. Press and hold for 2 seconds to exit the APP connection</p>

 Time Service	Device calibration time button (you can correct the time displayed on the radio with one click, consistent with the mobile phone)
	Set the automatic shutdown time: : 10-20-30-40-50-60-70-80-90 (minute) OFF:Indicates to cancel the automatic shutdown time
REC	In radio mode, tap to perform internal recording in radio mode. Before recording, please insert TF card in the radio, tap to enter recording mode, tap again to exit recording (after recording can be played on TF card)
EQ	Select EQ Sound: E0: Analog channel EQ E1: NORMAL E2: POP, E3: ROCK E4: JAZZ E5: CLÄSSIC, E6: COUNTRY
SOS	long press emits alarm sound. light press cancels the alarm sound











17.5: BT Working Mode Key Function Introduction In the APP



symbol	Key function descriptions
Pls open& connect Bluetooth	Wait for the Bluetooth connection prompt
Bluetooth connected	Bluetooth connection succeeded
EQ	E1 : NORMAL E2: POP, E3: ROCK E4: JAZZ E5: CLASSIC, E6: COUNTRY
 Normal	Directly click on the symbol to select EQ
VOL + -	VOL+: Volume increases VOL-: Volume decreases
 MUSIC	Music playback mode switch key switch to TF card/Bluetooth playback mode
BAND	Tap to switch radio bands
	select PREV,NEXT Song
	Play & Pause

17.6: TF Card Working Mode Key Function Introduction in the APP



symbol	Key function descriptions
EQ	E1: NORMAL E2: POP, E3: ROCK E4: JAZZ E5: CLASSIC, E6: COUNTRY
	Directly click on the symbol to select EQ
VOL + -	VOL+: Volume increases VOL-: Volume decreases
	Music playback mode switch key switch to TF card/Bluetooth playback mode
BAND	Tap to switch radio bands
	select PREV,NEXT Song
	In the TF card playing mode, in the number keyboard, directly click the song serial number, press [ENTER] key to confirm.
MODE	select playback mode:  repeat all,  repeat one,  repeat file,  random
	Directly click on the symbol to select playback mode
	Play & Pause