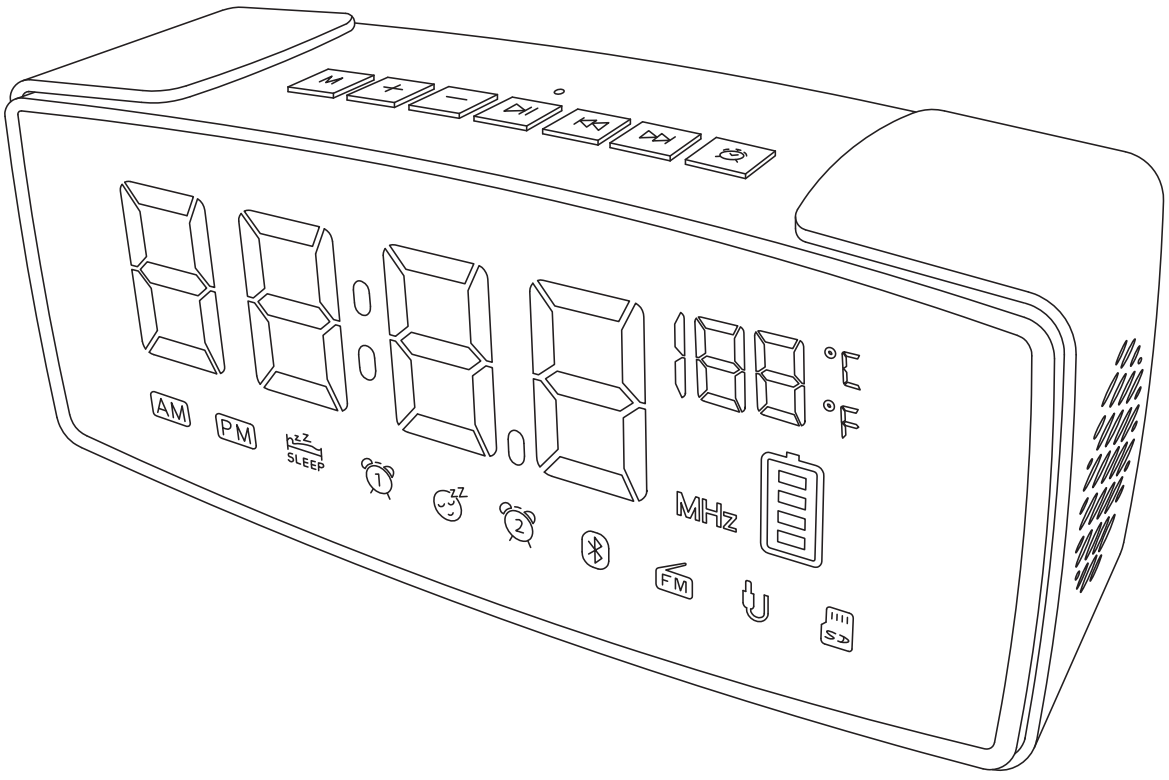
SMARTRO

SMARTRO EM9921-P2 Alarm Clock w/Speaker User Manual



SMARTRO EM9921-P2

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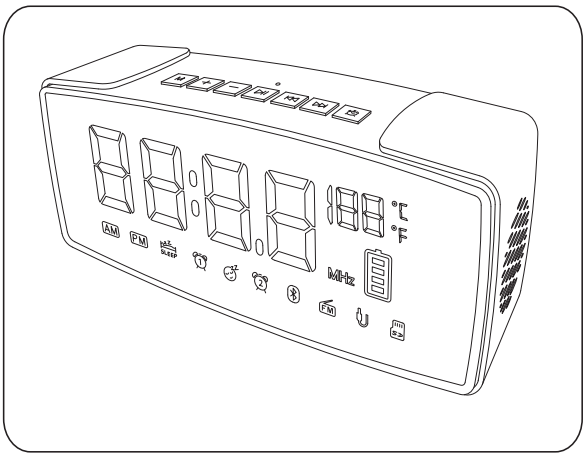
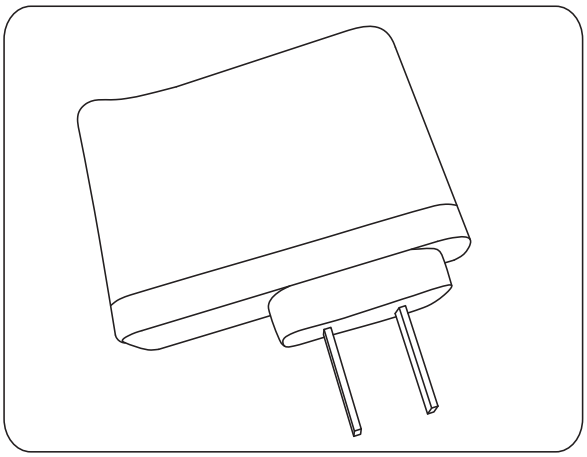
1. Unpacking Inspection

Take out the product from packaging and check whether the accessories are complete, and then remove the mirror screen protector. The package contains the accessories shown below:

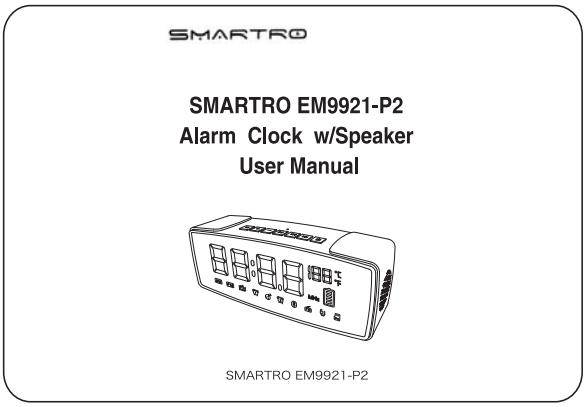
a. Alarm Clock



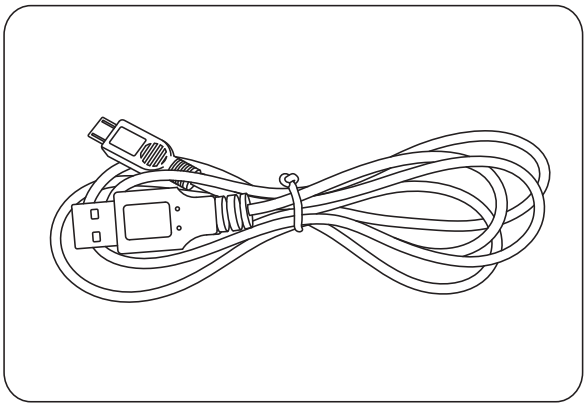
b. AC Adapter



c. User Manual



d. USB Charging Cable



2. Reminder

Please read and follow the instructions and warnings carefully before using it! Well keep it for further using.

3. Attention

☆Please follow the instructions for installation and operation.

☆Please use the original or manufacturer specified attachments or accessories.

☆Do not disassemble the product, so as not to cause trouble or safety hazards.

☆Do not place any items on top of the product or knock on the product.

☆Do not place the product in the place near water source or place this product in the damp place.

☆Please terminate use immediately upon damage which is caused as a result of improper use and send it to repair by professional maintenance personnel.

☆Do not place the product in direct sunlight or high temperature places (radiator, electric heater, stove, etc.).
☆Keep the product away from strong electromagnetic waves, strong static electricity, or moisture and condensation.
☆This product is only suitable for safe use in the area below 2000 meters above sea level.
☆This product is only suitable for the safe use under non-tropical climate conditions.
☆Use by children below 10 years old should be supervised by an adult.
☆Charge the internal battery at least once every three months if the product remains unused for a long time.

4. Functions

☆Dual alarm clock, optional alarm ringtone, 8-minutes snooze function.
☆Play musics stored on cell phones, tablet pads via Bluetooth wireless transmission.

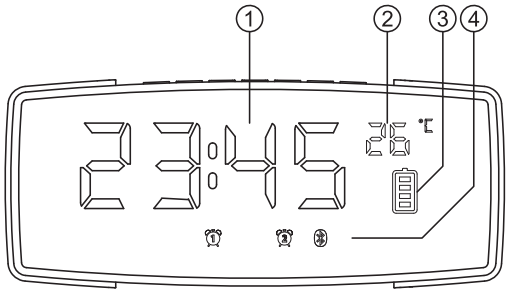
☆Play musics stored on micro TF memory card.
☆Stereo FM radio.
☆Large capacity 2,600mAh built-in battery and ultra-long standby time of 80h.
☆Extra-Large LED time display,12/24 HR timing format optional.
☆Adjustable brightness of LED screen.
☆Bluetooth hands-free call function.
☆Ambient temperature display, temperature units can choose degrees Celsius/Fahrenheit.
☆Audio input and play via 3.5mm stereo audio cable.
☆To be used as a computer speaker by connecting to a computer via a MICRO USB cable.

5. Specification Parameter

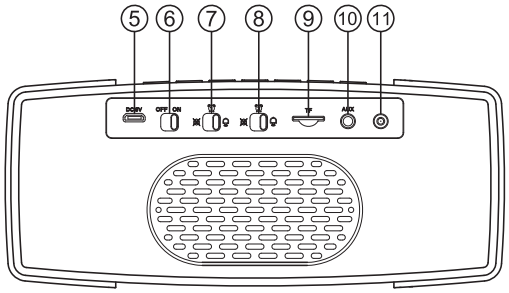
Model	EM9921-P2	Bluetooth Version	BT4.2
Speaker Unit	4Ω3W 1.5Inch x 2	Bluetooth Transmission Distance	⩽10m (Open Area)
Frequency Range	70Hz~20KHz	FM Frequency Range	87.5~108MHz
Signal-Noise Ratio(SNR)	＞70dB	Distortion Degree	＜1%
Maximum Power	6.6W	Power Supply	Built-in Lithium Battery 2600mAh
Stand-by Power	⩽0.6W	Display	LED
Support Agreement	A2DP/AVRCP/ HFP/HSP	Color	Black
Applicable Products	It is suitable for all models of mobile phones such as Apple, Samsung, HTC and others, all models of tablet such as iPad, Laptop and desktop computer.		
	The computers without Bluetooth need to work with Bluetooth adapter,MICRO USB or audio cable.		

6. Function Keys

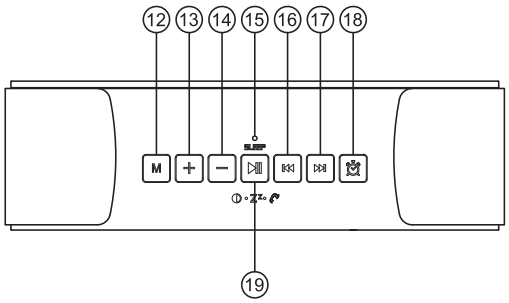
Front view



Back view



Top view



① Time
② Ambient temperature
③ Battery indicator
④ Function display bar
⑤ Charging interface/Micro USB interface
⑥ Power switch
⑦ Alarm 1 switch
⑧ Alarm 2 switch
⑨ TF-card slot
⑩ AUX input jack
⑪ Temperature sense
⑫ Mode selection
⑬ Volume +
⑭ Volume -
⑮ Microphone
⑯ Previous
⑰ Next
⑱ Alarm setting
⑲ Pause/Play/Snooze

7. Setting Operation

7.1 Power on/off

Push the power switch ⑥ to the position of ON, as shown in Figure (1). The screen is full display 1 second and the product detects the ambient temperature then enters the clock mode. In clock mode, press the Pause/Play button ⏯ to adjust the brightness of LED screen. There are four brightness levels that you can choose. If there is no operation within 5 minutes, it will enter the power saving mode automatically.

This product has two modes as clock mode and music play mode which can be switched by long press or short press M button.

7.2 Play mode selection

Short press the mode selection **M** button as shown in Figure (2) under the clock mode to enter the music play mode. Under the music play mode, it will show one play mode prompt below time location. Short press **M** button again, it will switch to other play modes. There are four music play modes including Bluetooth, FM radio, TF card and AUXplay mode.Press and hold **M** button 2

sec to exit the play mode and return to the clock mode.

Figure (1)

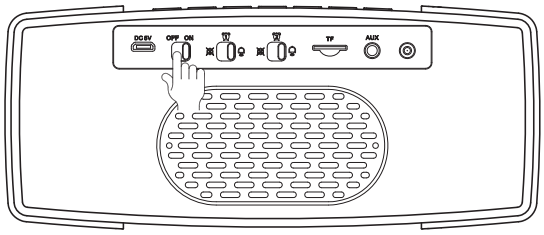
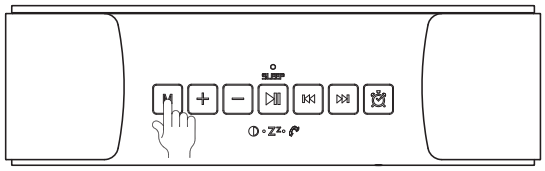


Figure (2)



7.3 Clock and temperature settings

In play mode, press **M** button 2 sec to exit the play mode and return to the clock mode.

In clock mode, hold M button as shown in Figure (2) for 2 sec, the 24/12Hr will blink. Press the key **+** or **−** to select the timing format you want, then short press **M** button again to switch to the hour, minute and temperature (Celsius or Fahrenheit) setting in turn. When the item begins to blink, press **+** or **−** to adjust it. Hold **+** or **−** for rapid adjustment when setting the hour and minute. After all the items are set, press **M** button to confirm the setting and exit the set mode. If there is no valid operation within 30 seconds, it will automatically return to normal time mode from the set mode.(Caution: With the thermistor as its temperature-sensing element, the product is only for use in limited areas.)

7.4 Alarm setting

7.4.1 Alarm time setting

Figure (3)

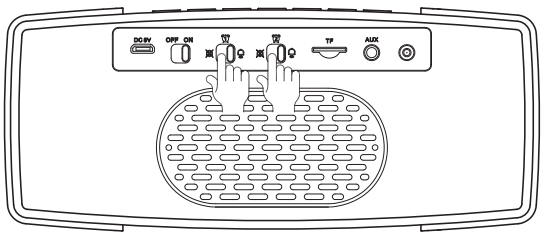
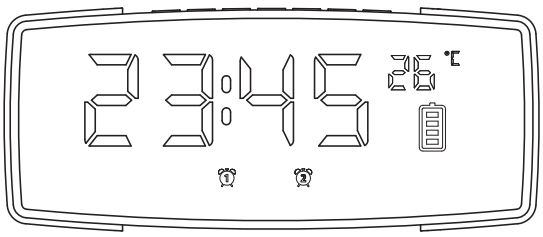


Figure (4)



- Dual alarm times can be set.
- Turn the alarm clock switch on the back of the product to the position to start the alarm clock, as shown in Figure (3), and the corresponding alarm clock symbol will be lit, as shown in Figure (4). Conversely, turn to the position to shut down the alarm clock, and the corresponding alarm clock symbol goes out.
- Press and hold button on the top of the clock for 2 sec to enter the alarm setting, the alarm 1 will be blinking, then press + or − button to adjust the hour.
  After hours setting, short press the button to set minutes. Short press the button again to to switch to the alarm 2 setting. Alarm menu is as follows:

Alarm1 hour—Alarm1 minute—Alarm2 hour—Alarm2 minute—Alarm tone (S1-S7)—Volume of alarm tone (L1-L15)

The alarm tones S1-S5 are five built-in tones, S6 is FM radio, and S7 is TF card music play. After all the items are set, press button to confirm the setting and exit the set mode.

- If there is no valid operation within 30 seconds, it will automatically return to normal time mode from the set mode.
- If you choose S6, the last radio station you've heard before is alarm tone. If you choose S7, it will automatically play the song as an alarm tone in TF Card. If it is not installed TF card, it will be automatically with the S1 for the alarm tone.

7.4.2 Snooze function

The alarm ringtone is increased slowly to the set maximum volume.

- When the alarm is ringing, press the key button to enable the snooze function as shown in Figure(5), and the symbol is blinking, as shown in Figure (6).
  The alarm tone will ring again after 8 minutes.

Figure (5)

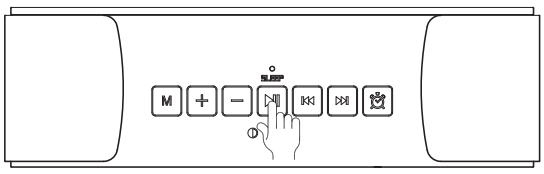
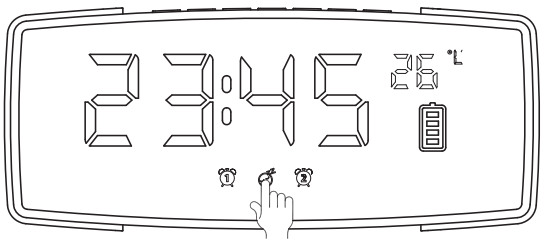


Figure (6)



7.4.3 Alarm bell release

- Manually release: Press any key except ⏯ button to stop alarm tone. In addition to this, if FM radio is selected as an alarm tone, the button ⏮ or ⏭ will cause a change to different radio station. If the music stored on the TF card is selected, the button ⏮ or ⏭ will cause a change to another song.
- Automatically shut off: The alarm will be off automatically after 30 minutes if you do not deactivate it.
- After the alarm shutting off, the alarm tone will ring again when it comes to the set time every day as long as the alarm clock switch is still in the 🔔 position.

7.5 Music play

7.5.1 Bluetooth mode

- Under the starting up condition, short press M to select the Bluetooth play mode to start Bluetooth pairing, and the symbol will blink. Turn the phone's Bluetooth on and search for Bluetooth devices. When SMARTRO is discovered, click it to establish wireless pairing connection. When the symbol is always lighting, the pairing is completed.

Figure (7)

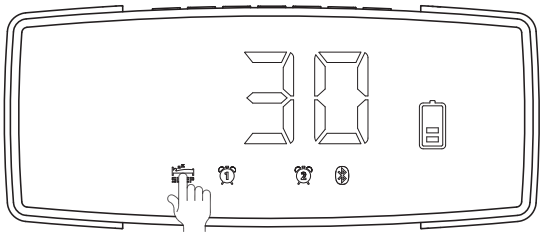
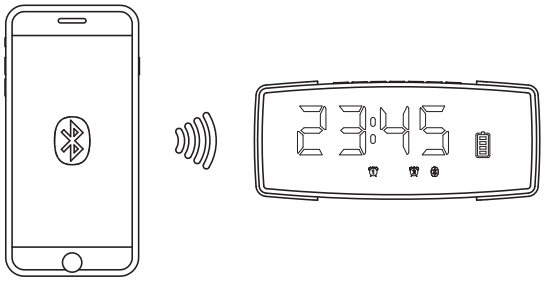


Figure (8)



After Bluetooth pairing, the music or movie played on the cellphone will be transmitted to the product through the Bluetooth connection.

- When playing music through Bluetooth connection, press ⏯ to pause or continue the play,press ⏮ to return to the previous track,

press ⏭ to jump to the next track. Press + to increase the volume, and press − to decrease the volume.

- Under play mode, press and hold ⏯ button for 2 sec to activate the sleep mode setting. When SLEEP symbol is blinking, press ⏯ button to select the play time before sleep, 30-45-60-75-90-OFF-15-30... in a loop. No operation in 5 seconds to exit the set mode, SLEEP symbol is blinking in the operation of sleep function as shown in Figure (7).
- If a call comes in when the phone is connected to the product, press ⏯ button to answer the call and directly speak via the microphone at the top of the product, press ⏯ again to hang up.
- Press **M** to switch to other play modes or hold **M** to turn off play modes so as to cut off the Bluetooth connection. This product can only be connected to one mobile phone at a time. If you want to switch to another Bluetooth device for play, you must firstly disconnect the connected device and re-establish a new pairing.

7.5.2 FM radio mode

- Under the starting up condition, short press M to select the FM radio mode. The symbol FM will be lit and the clock will switch to radio frequency display as shown in Figure (9).

Figure (9)

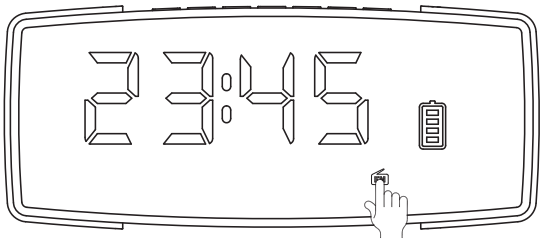
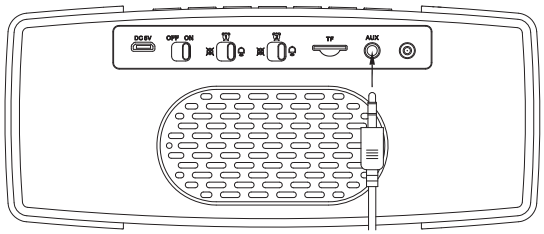


Figure (10)



- Automatic search: Press ⏯ button, the radio will start searching from 87.5MHz. The searched radio stations will be saved automatically. Then, the search will continue till 108MHz, and the system will return to and play the first saved radio station. The displayed P01, P02, P03...are radio station numbers.
- Change radio station: Press ⏭ to switch to the next radio station, and press ⏮ to return to the previous one.
- If the radio signal is weak and noisy, an audio line can be inserted into the AUX jack on the

back as an external antenna to improve the signal quality, as shown in Figure (10).

- Other operations are the same as those under the Bluetooth mode.

7.5.3 AUX input mode

Under the starting up condition, short press M to select the external AUX input mode, and the symbol will blink, as shown in Figure (11). Insert the plug of a 3.5mm audio cable into the audio input port AUX on the back of the product, as shown in Figure (10), and connect the other end to the audio output port of the audio player so as to play the music stored in the external audio device. (Note: Audio cable not included)

- Under this mode, the buttons ⏭ , ⏮ and ⏯ at the top are not functional. Other operations are the same as those under the Bluetooth mode.

Figure (11)

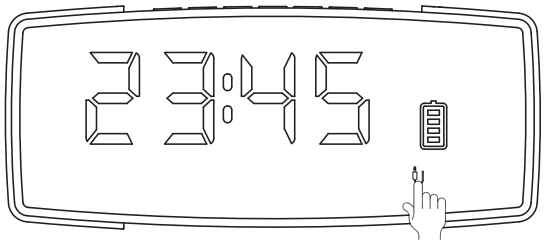
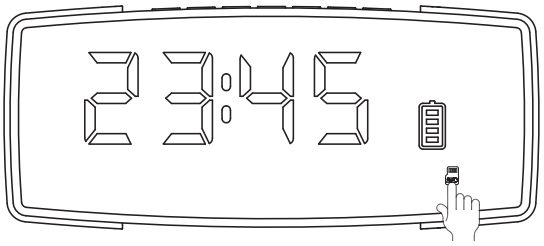


Figure (12)



7.5.4 Micro TF card mode

- This product can play WAV, MP3 format music files in TF card.
- Under the starting up condition, short press M to select the TF card play mode, as shown in Figure(12). Before using this, users must firstly copy music files to the TF card, then push TF card into card slot as shown in Figure (13).The card will be inserted in the slot until a“tick” (Dismantling the TF card is to press the TF card and hear "tick" sound then it can be pulled out).

When the symbol is lit, it indicates that the TF card play mode has been enabled. The product will read the music files stored on the TF card to play music in order.

Other functional operations are the same as the Bluetooth mode.

Figure (13)

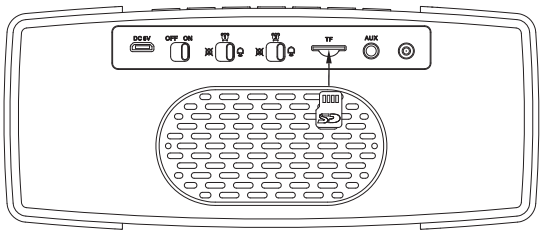
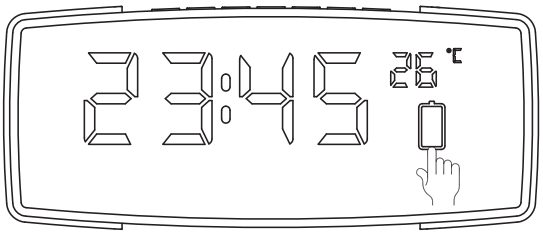


Figure (14)



7.6 USB Mode

USB sound box function: Loudspeaker function via a USB data cable: Turn the product on and connect a computer via a MICRO USB data cable. The connection succeeds upon a sound "ding-dong".

USB copy: Firstly, install the TF card into the card slot of the product. Secondly, turn the product on and connect to the computer via a MICRO USB data cable. And then you can copy musics from your computer to the TF card.

If the MICRO USB data cable and computer connect successfully, USB symbol will flash in the screen of this product.

(NOTE: This product isn't equipped with a data cable.)

7.7 Battery Indicator

- Display — Full quantity of electricity.
- Display — Remaining 3/4 quantity of electricity.
- Display — Remaining 1/2 quantity of electricity.
- Display — Remaining 1/4 quantity of electricity. Please recharge the product as soon as possible.
- Display the flickering — Electricity is exhausted quickly.

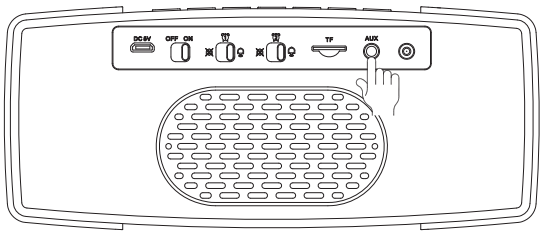
In this state, it will not be able to play music or normal display. At the same time, it will send a warning sound to remind that you need to recharge it in time. If there is no condition to be charged for the time being, it is recommended to push the power switch to OFF then recharge it. This can properly shorten the time for recharging fill the electricity. If you recharge it after automatic shutdown, charging state will be shown. Charging for a while, the time display will be shown 0:00.

- The short line in the symbol will be circulated when the product is charged. When the power is fully charged, the symbol will blink.

7.8 Exception Handling

In the use of the product, if the product functions appear an exception, for example time does not go, some button has no function, please use a toothpick or other small stick from the AUX Jack hole to press the hidden reset button, as shown in Figure (15).

Figure (15)



8. Troubleshooting

Fault	Handling	
Unable to connect to a Bluetooth device	Check whether the product is connected to another device	Recharge it when the battery is less than 20%
Unable to recharge	Check the charging cable and the charger	Turn off the product before recharging when it is over-discharged
No sound playing	Increase the volume	Check the volume of the players such as phone
No radio station received	Check whether to search audio stations automatically	Plug in AUX cable as the external antenna
Unable to play the music stored on the inserted TF card	Check the format of the songs in the card	Re-insert the TF card

FCC Statement:
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 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 not expressly approved by the party responsible
for compliance could void the user's authority to operate the equipment.