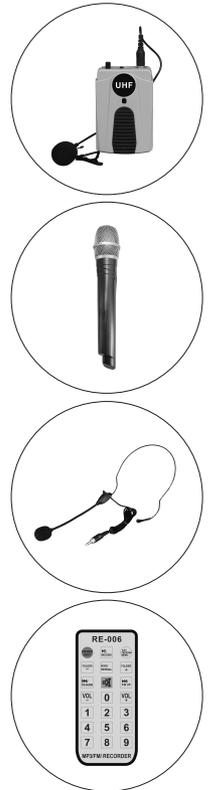


## SERVICE INFORMATION

If the shipping carton is found to be damaged, notify the delivery company immediately. Save the damaged carton as evidence for the delivery company to inspect. It is responsibility of the consignee to file a claim with the delivery company for any damaged that occurs during shipping. In the case that the shipping carton is in good condition but the unit is damaged or defective. Call your sales agent for any service.

# UHF Portable Wireless PA System

- With USB/Micro SD play MP3 and record function
- With cellphone and tablet PC charging function
- With Bluetooth function



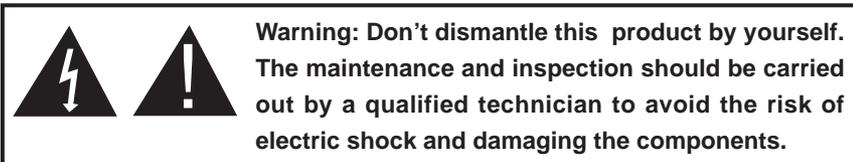
*ENGLISH MANUAL*

## THANK YOU AND WARNING

### THANK YOU

We thank you very much for your purchase this amplifier system. Before start to use it, please read the manual book thoroughly and carefully. Please keep this Instruction Manual Book in a safe place after reading for your future reference.

### WARNING



#### Warning:

- \* Please don't put this machine in the rain, moisture and dusty place to avoid the fire or lightning struck.
- \* In order to avoid creepage and get electric shock before use the DC power, please check the adaptor, make sure it's in the good condition.
- \* Please don't dismantle this product. The maintenance and inspection should be carried out by a qualified technician to avoid the risk of electric shock and damaging the components.
- \* Be sure to switch off the system main power after use, otherwise the battery will be over discharged and it can damage the rechargeable battery and shorten the battery life dramatically.
- \* After use the wireless transmitter, please take the battery out of it to avoid battery leaking to damage the transmitter.
- \* Please only take out the USB/MICRO SD card in OFF situation to protect the USB/MICRO SD's damage.

### FCC Information

Transmitters: Certified to FCC Part 74 Certified by FCC approved labs.

**Note:** This equipment has been tested and found to comply with 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 interferences in a residential installation. This equipment generates uses and can radiate radio channel 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 not cause harmful interference to radio or television reception, which can be determined by turning the equipment off an on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ①. Increase the separation between the equipment and receiver that you might use together. The farther, the better.
- ②. Try to connect the equipment into an outlet on a circuit that is different from the receiver used.
- ③. Extend the antenna or rotate the antenna to get the best result.
- ④. Consult certified or experienced technician to help.

#### Notes:

An FCC ministerial license may be required to operate this equipment in certain areas. Consult your national authority for possible requirements. Refer to the FCC 47 C.F.R. § 74.832 for details.

This radio equipment is intended for use in musical professional entertainment and similar applications.

## MALFUNCTIONS AND TROUBLE SHOOTING OF THE AMPLIFIER

Problems	Solutions
No Power	<ol style="list-style-type: none"> <li>1. The Power source button of the amplifier is not turned on. Turn on the amplifier</li> <li>2. DC 12V rechargeable battery built-in are not enough. Please use the AC/DC adaptor to charge it.</li> </ol>
Screaming sound occurs	<ol style="list-style-type: none"> <li>1. Adjust the volume of the amplifier and the transmitter less</li> <li>2. Adjust the volume of the Treble and Echo less</li> <li>3. Adjust the distance between the amplifier and the transmitter or the direction of the amplifier. Please don't turn the wireless transmitter directly toward the speaker of the amplifier in short distance.</li> </ol>
Noise or abrupt stop sound	<ol style="list-style-type: none"> <li>1. Not enough power in the amplifier or the transmitter. Charge or replace the battery.</li> <li>2. Broken transmitter or connecting cable. Replace a new one.</li> <li>3. External same frequency interference signals influence. Change the frequency or move the amplifier to another place can be used without interference by the external signals.</li> </ol>
No voice heard	<ol style="list-style-type: none"> <li>1. The power switch of the amplifier and the transmitter maybe not turn on. Turn ON them.</li> <li>2. The cable of the transmitter was broken. Replace a new one.</li> <li>3. The Volume control knob of the amplifier and the transmitter are not turned on and adjusted. Turn On and adjust them.</li> </ol>

	<b>CAUTION</b> RISK OF ELECTRIC SHOULD DO NOT OPEN	
<p><b>CAUTION:</b> Warning: Don't dismantle this product. The maintenance and inspection should be carried out by a qualified technician to avoid the risk of electric shock and damaging the components.</p>		

\*17\*

## Basic Features of the Amplifier system

- \* With wired/wireless microphone, independent controls for Bass and Treble.
- \* With USB/ Micro SD card play & record function. The unit can read the MP3 and WMA format files and record radios, wired/wireless microphone and AUX input in MP3 format. Record time depends on the capacity of the USB/MICRO SD card which 1 GB can be recorded 1000 minutes around. More GB then more time.
- \* With charging LED indicator and full charged protection function When charging, the LED is in red, when full charged, it is dim.
- \* With DC12V/2.5AH rechargeable battery. (DC 12V/2200mAh lithium battery optional)
- \* Built with a USB port to charge cellphone or other devices.
- \* With peak of music power 90W.
- \* With AUX input jack
- \* With MIC priority function
- \* With ECHO
- \* With LCD display function.
- \* When MP3 is playing, with A to B repeat play function
- \* With MP3 remote control
- \* With 5" full range speaker
- \* With bluetooth 3.0 version which can connect with the mobile phone to play MP3 & WMA format files.
- \* With DC power supply jack.
- \* With FM radio.

## The usage of the amplifier system

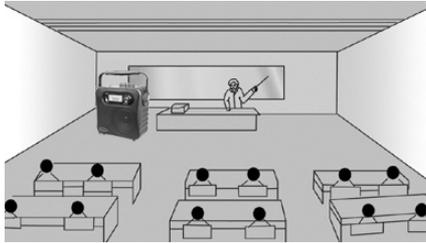
This unique designed amplifier speaker system with microphone is perfect for the following applications.

- \* Used as lecturing amplifier indoor or outdoor. (Especially for dancing and gym teachers).
- \* A perfect address delivery system for in and out door meeting, tourism and churches.

\*2\*

\* It is a good amplifier for interpretation, class teaching and commercial vendor demonstrations.

With this amplifier system, you can make your voice clear and heard from far!



Classroom teaching

Tour



## Technical specifications

Power	DC 12V $\approx$ 2.5AH built-in rechargeable battery (DC 12V/2200mAh lithium battery optional) External: DC 12V $\approx$ 2A, DC 15V $\approx$ 1.5A
Peak of music power	90W max
Speaker	16CM, 10W/4*
Frequency Range	UHF 500-900 MHz
Channels	Single channel/Dual channels
Wireless effective range	about 80 Metres ( 228.5 Feet) max
Weight	3.0 kgs
Dimension	260 X 140 X 250MM (10.23" x 5.52" x 9.84")

We reserve the right of changing the technology and specifications without notice in advance.

## How to use a wired microphone

1. The system has one wired MIC input with the function of priority.
2. Put the wired MIC plug into the jacks and adjust the volume control to your need.
3. When turn on the priority switch to use the wired microphone, adjust the volume button to 1/2 position of the music source to have the better sound result from the microphone and the music source.

## How to use the digital echo

1. Adjust the ECHO volume control to your need sound result.
2. This ECHO sound adjustment is only effective to the wired microphones and the wireless microphones.

## How to use the AUX input

You may put the MD and CD etc audio input connector into this jack to play the music. It's volume knob can control the music volume for your satisfactory.

## How to use the Treble control volume

You may turn the Treble knob to its best position to adjust its treble volume to your satisfactory.

## How to use the Bass control volume

You may turn the Bass knob to its best position to adjust its bass volume to your satisfactory.

## How to use the multiply volume

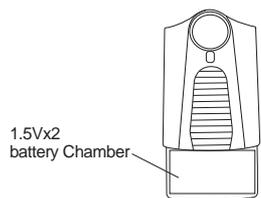
In order to multiply volume, a or two wireless microphones with several wireless amplifiers of the same frequency can be applied to receive simultaneously in circumstances of large hall or stadium for hundreds or thousands of persons.

Don't put the microphone directly towards the horn of the main receiver in near distance, or it will occur screaming feedback.



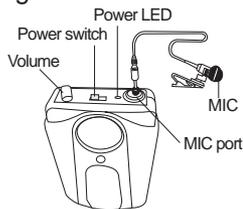
## How to use the lavalier microphone

1. Open the battery compartment by sliding up the cover.
2. Put the battery into the compartment with correct polarity, and close the cover.
3. Plug the Lavalier microphone part to the jack.
4. Switch on the power of the transmitter and when the LED shows, it is ready to work.
5. Be careful to adjust the main control of the transmitter, start from least volume and slowly turn it to a appropriate level to hear your voice clearly and with feed back. The system is ready to use.
6. After use, you have to take the battery out of the transmitter to avoid battery leaking to damage the transmitter.



1.5Vx2  
battery Chamber

Lavalier wireless transmitter



Lavalier wireless MIC



Belt pack style

\* 15 \*

You can get the better sound effect from the nearer distance between the microphone and your mouth.



Front hang up style



## Standard match

### Single channel

1. One main receiver unit.
2. One lavalier microphone with transmitter
3. One headset microphone
4. One handheld microphone(optional)
5. Two 1.5V AA Batteries
6. One remote controller
7. User's manual
8. One AC/DC adaptor
9. One hanging rope

### Dual channels

1. One main receiver unit.
2. One lavalier microphone with transmitter
3. One headset microphone
4. One handheld microphone
5. Four 1.5V AA Batteries
6. One remote controller
7. User's manual
8. One AC/DC adaptor
9. One hanging rope

### Color options



BLACK



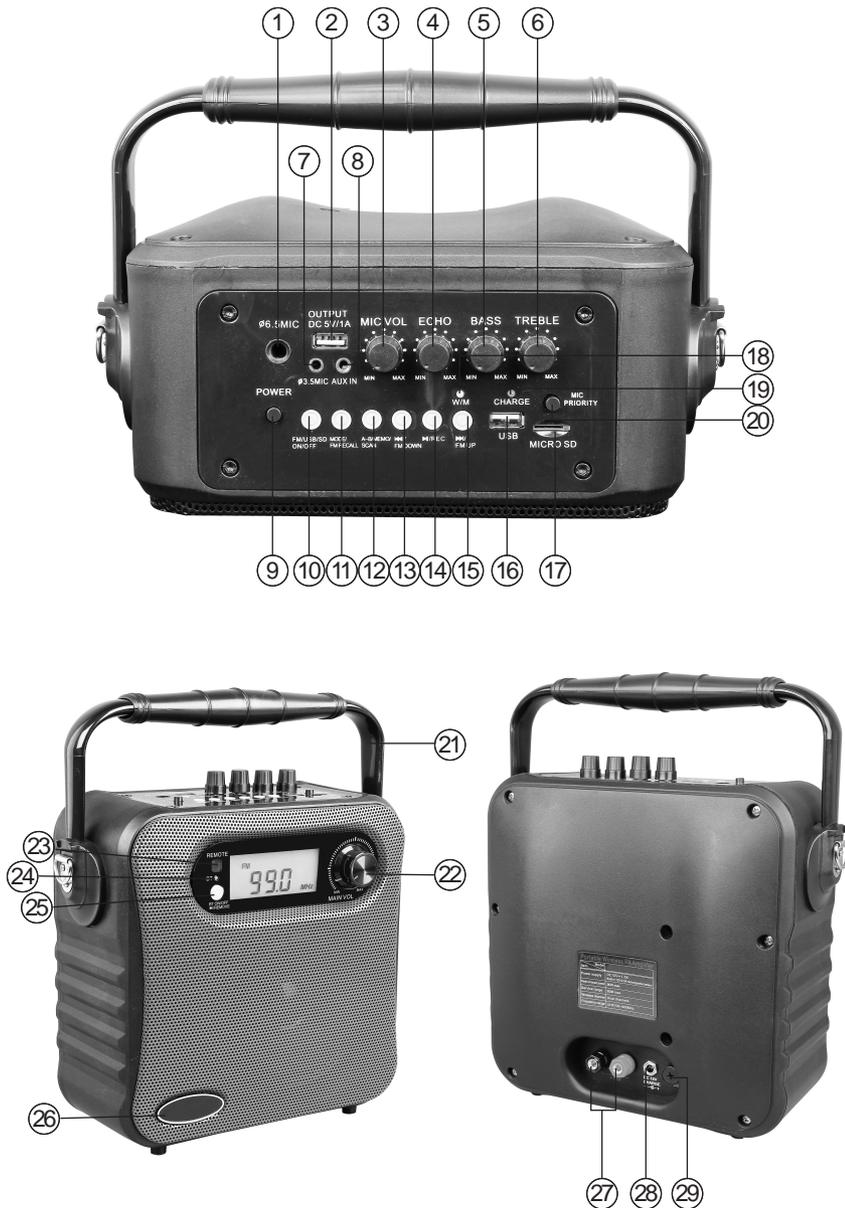
GREY



WHITE

\* 4 \*

## The system descriptions



\*5\*

bluetooth equipment Bluetooth 3.0 and sometimes you should enter the password "0000", then successfully match with it, BT LED slow flicker and also there is tone to alert you match successfully.

- b. Play/pause mobile's songs: After matched successfully, you can use the mobile phone medium player to play the songs. Shortly press POWER ON/OFF/REMOVE/PLAY/PAUSE to switch circularly between play and pause.
- c. Release the match: In match successfully mode, press and hold POWER ON/OFF/REMOVE/PLAY/PAUSE about 3 seconds to release the match ( you can use your mobile phone to release the match directly). If successfully release the match, BT LED quickly flicker and also there is tone to alert you that you release successfully.

## How to use wireless handheld microphone

1. Open the battery cover.
2. Put the battery into the compartment and make sure you have a right polarity before you use it.
3. Turn the switch to **ON** and you can use the microphone now.
4. Please take the battery out if you are not going to use it for a period of time.

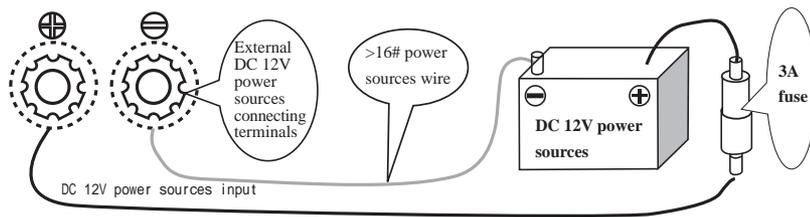
### Caution:

If the LED is on, it shows the battery is good to use. If the LED flash up, it shows that the battery is low, you have to change the battery before you can use the system. If the LED does not flash and not on, it shows the battery is dead or polarities are wrong.



\*14\*

## HOW TO CONNECT THE DC ⊕ ⊖ POLARITY



1. Use the cable size less than 16# to connect the two terminals of the ⊕ ⊖ polarities of the main receiver amplifier.
2. The external DC power voltage should be DC12V+20%/-10%, the minimum power supply current can not less than 2.5A, or the components of the main receiver are easy broken or the main receiver can not be Turn ON.
3. The RED terminal of the connecting wire is ⊕ and the BLACK is the ⊖ polarity.
4. In order to prevent the short circuit when connecting to the external DC power supply, please install a 3A fuse in the output terminal of the external DC power supply.
5. Connect the external DC power supply in the correct polarity then turn ON the main receiver machine and its power source's LED indicator light up that means the main receiver amplifier works normally. Turn OFF it after use.
6. As the connecting terminal is the single conductor, it just can accept the external power input, but can not supply power to the external devices.

## How to use the Bluetooth

- a. Unit match with mobile phone: Turn on the main power switch, the bluetooth is off situation as default. Press and hold POWER ON/OFF/REMOVE/PLAY/PAUSE 3 seconds to turn on the bluetooth, the bluetooth indicator LED quick flicker. The mobile phone search the

1. **\*6.5mm MIC:** A 6.5mm diameter jack for a wired microphone input.
2. **OUTPUT/DC 5V/1A:** A USB port to output 5V 1A to charge a cellphone or other devices.
3. **MIC VOL:** This is a Volume control knob for the wired & wireless microphone.
4. **ECHO:** ECHO sound effect control knob.
5. **BASS:** BASS sound effect control knob.
6. **TREBLE:** TREBLE sound effect control knob.
7. **\*3.5mm MIC:** A port to plug an Mono microphone to play with.
8. **AUX IN(MP3)** An auxiliary input from any 3.5mm output like a computer or ipad.
9. **POWER ON/ OFF BUTTON:** This is the main power button that turns on the system.
10. **FM/USB/MICRO SD ON/OFF BUTTON:** Press this button the first time as the initialization with power to this machine to enter the Standby mode and default ON to auto play the USB card as priority. If there is no USB card inserted, it will auto scan to the Micro SD card to play it. Press this button again to switch from the **FM/USB/MICRO SD** functions. Display FM in the LCD screen when FM is working. Display the USB and MP3 or WMA in the LCD screen when the USB card is working. Display the SD and the MP3 or WMA when the Micro SD card is working. Press and hold this button more than 2 seconds, it will turn off LCD display and enter the standby mode.
11. **MODE/FM RECALL:**
  - a) In MP3 mode, press this button the first time, the LCD display "↻" and "ONE". Press the second time, the LCD display "↻" and "FOLDER" is flashing. Press the third time, the LCD display "↻" and "ALL". Press the fourth time to delete the MODE.
  - b) In FM mode, press this button to recall the last memorized radio station.
12. **A-B/FM SCAN/MEMO**
  - a) In MP3 play mode, the first time to press this button to set the beginning

point, "A-B" in the LCD screen is flashing quickly. The second time to press this button to set the ending point and then it will enter auto repeat play situation. "A-B" in the LCD screen is not flashing. In repeat mode, press this button to stop the repeat function and enter normal play function.

- b) In FM mode, press and hold this button more than 2 seconds to auto scan and memorize the radio stations. Full memory of it is total 30 radio stations. It can auto skip the empty space.

Manually memorize the radio stations: Press this button the number is flashing, when the number is flashing, press MODE/FM RECALL button to select the number what you want within 5 seconds press **A-B/FM SCAN/MEMO** button to memorize the number. Without any press this **A-B/FM SCAN/MEMO** button within 5 seconds, it will auto exit this function. When the numbers are memorized, the LCD screen displays the stable numbers.

### 13. <<</FM DOWN

- a) In MP3 mode, press <<</ FM DOWN button to last song. Press and hold this button more than 2 seconds to be fast backward.
- b) In FM mode, press <<</ FM DOWN button to decrease FM frequency -0.1MHz, Press and hold this button more than 2 seconds to auto scan FM. When scan the FM and call the correct radio frequency, it will auto stop and stay to play this FM radio.

### 14. >||/REC button:

- a) In MP3 mode, in Standby situation, first time to press this >||/REC button to play the MP3, the LCD screen always shows the present song and the past time each 5 seconds. In MP3 play mode, press >||/REC to pause the MP3 play, the LCD screen shows "||". In play mode, press this button can switch the function from PLAY to PAUSE or from PAUSE to PLAY. Press and hold this button more than 2 seconds to enter MIC/AUX recording function. It will auto select the target disk (USB or MICRO SD card). At this moment, the USB or SD is flashing in 1Hz (the target disk is flashing). During the recording, Press >||/REC again

## System works on DC power

The system can be powered in many ways:

1. DC 12V  $\approx$  2.5AH built-in rechargeable battery. (Or DC 12V/2200mAh lithium battery.)
  - a) When the system is powered by AC/DC adaptor, the unit is either in Working status or Charging status, both status will enable the charging process, but when you set the main switch, the battery will be charged up sooner than in Working status.
  - b) In the process of charging, the charging LED light is on, the light will turn off when the charging is completed. Charge time is 4-6 hours.
  - c) After the 2.5AH rechargeable battery or 2.2AH lithium battery is full charged and the main machine is operation in common situation but the battery can't last long enough in common situation and fast run down the power, that means the battery is ageing, a new battery should be replaced the old one.
  - d) The main PA Amplifier is designed with charge auto protection circuit, discharge protection circuit and overcharge protection circuit.
  - e) Any incorrect operation for the charging will lead to the risks of accidents happen.
2. You may use the car cigarette light power connector to connect the car and the main receiving machine or use an external 12V DC power connector to connect the main receiving machine.
  3. AC/DC adaptor.

## How to install the fuse



1. Use the cross head driver anticlockwise to take out the tube.
2. Put the fuse into the tube.
3. Use the cross head driver clockwise to install the tube back to the machine. Now the battery is connected from the system. The fuse should be take out when not in use for a long time.

decrease one folder at the present situation.

#### 5 . **MODE/FM RECALL:**

a) In MP3 mode, press this button the first time, the LCD display "↻" and "ONE". Press the second time, the LCD display "↻" and "FOLDER" is flashing. Press the third time, the LCD display "↻" and "ALL". Press the fourth time to delete the MODE.

b) In FM mode, Press this button to recall the last stored radio station.

6 . **10+/FOLDER+:** In MP3 play mode, press this button to increase 10 songs for play. When the present folder is less than 10 songs, it will jump to the last song. Press and hold this button more than 2 seconds, increase one folder at the present situation.

#### 7 . **⏮/ FM DOWN**

a) In MP3 mode, press **⏮/ FM DOWN** button to last song. Press and hold this button more than 2 seconds to be fast backward.

b) In FM mode, press **⏮/ FM DOWN** button to decrease FM frequency -0.1MHz, Press and hold this button more than 2 seconds to auto scan FM. When scan the FM and call the correct radio frequency, it will auto stop and stay to play this FM radio.

8 . **MUTE:** In play mode , press **⏸** to enter or clear the mute mode.

#### 9 . **⏭/FM UP**

a) In MP3 mode, press **⏭/FM UP** button to next song. Press and hold this button more than 2 seconds to be fast forward.

b) In FM mode, press **⏭/FM UP** button to add FM frequency +0.1MHz, Press and hold this button more than 2 seconds to auto scan FM. When scan the FM and call the correct radio frequency, it will auto stop and stay to play this FM radio.

10 . **VOL-:** In play mode, press this key to decrease the volume level.

11 . **VOL+:** In play mode, press this key to increase the volume level.

12 . **Number key:** You can select the track you want directly by using this number key.

to stop therecording. The data is recorded in the last song of the present disk.

b) In FM mode, Press and hold **⏭/REC** button more than 2 seconds to enter FM recording function. It will auto select the target disk(USB or MICRO SD card). At this moment, the USB or SD is flashing in 1Hz (the target disk is flashing). During the recording, Press **⏭/REC** again to stop the recording. The data is recorded in the last song of the present disk.

#### 15. **⏭/FM UP**

a) In MP3 mode, press **⏭/FM UP** button to next song. Press and hold this button more than 2 seconds to be fast forward.

b) In FM mode, press **⏭/FM UP** button to add FM frequency +0.1MHz, Press and hold this button more than 2 seconds to auto scan FM. When scan the FM and call the correct radio frequency, it will auto stop and stay to play this FM radio.

16. **USB port:** This is a USB port for inserting the USB card.

17. **MICRO SD:** This is a MICRO SD port for inserting the MICRO SD card.

18. **W/M LED:** This is a wireless microphone LED indicator combined wireless microphone 1 and wireless microphone 2. When the wireless microphone 1 turn on, the LED is light in green. When the wireless microphone 2 turn on , the LED is light in orange. When the wireless microphone turn off, the LED is dim.

19. **CHARGE LED:** When a DC 12V battery is being charged, this LED is in red. When it is full, it is off.

20. **MIC PRIORITY:** This is the priority switch button for the microphones.

21. **Main unit handle:** This is the main unit handle.

22. **MAIN VOLUME:** This is a main volume control for MP3/FM/Bluetooth/ MIC.

23. **REMOTE:** This is a remote sensor for the remote controller of the MP3 and FM.

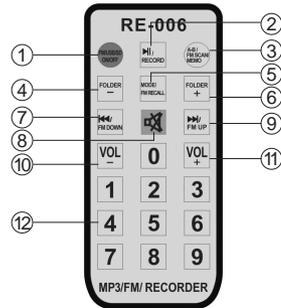
24. **BT LED:** This is bluetooth LED indicator.

25. **BT ON/OFF/⏭/REMOVE:** This is the bluetooth ON/OFF/PLAY/PAUSE/ REMOVE button.

26. **Brand name**

- 27. **DC 12V input:** This is for the DC 12/2A charging input.
- 28. **DC15V/1.5A INPUT JACK:** This is for the DC 15V/1.5A charging input jack.
- 29. **Fuse:** This is the fuse for outage.

## How to use the RE-006 remote controller



The features that you control from the system can be used on the remote control. You can control the recording and MP3 system by this remote control, the wireless microphone system is not controllable through this remote.

**1 . FM/USB/SD ON/OFF BUTTON:** Press this button the first time as the initialization with power to this machine to enter the Standby mode and default ON to auto play the USB card as priority. If there is no USB card inserted, it will auto scan to the SD card to play it. Press this button again to switch from the FM/USB/SD/ON/OFF functions. Display FM in the LCD screen when FM is working. Display the USB and MP3 or WMA in the LCD screen when the USB card is working. Display the SD and the MP3 or WMA when the SD card is working. Press and hold this button more than 2 seconds to close the display and enter the standby situation.

### 2 . ▷|| REC Button

a) In MP3mode, in Standby situation, first time to press this ▷||/REC button to play the MP3, the LCD screen always shows the present song and the past time each 5 seconds. In MP3 play mode, press ▷||/REC to

\*9\*

pause the MP3 play, the LCD screen shows " || ". In play mode, press this button can switch the function from PLAY to PAUSE or from PAUSE to PLAY. Press and hold this button more than 2 seconds to enter MIC/AUX recording function. It will auto select the target disk (USB or SD card). At this moment, the USB or SD is flashing in 1Hz (the target disk is flashing). During the recording, Press ▷||/REC again to stop the recording. The data is recorded in the last song of the present disk.

b) In FM mode, Press and hold ▷||/REC button more than 2 seconds to enter FM recording function. It will auto select the target disk(USB or SD card). At this moment, the USB or SD is flashing in 1Hz (the target disk is flashing). During the recording, Press ▷||/REC again to stop the recording. The data is recorded in the last song of the present disk.

### 3 . A-B/FM SCAN/MEMO

a) In MP3 play mode, the first time to press this button to set the beginning point, "A-B" in the LCD screen is flashing quickly. The second time to press this button to set the ending point and then it will enter auto repeat play situation. "A-B" in the LCD screen is not flashing. In repeat mode, press this button to stop the repeat function and enter normal play function.

b) In FM mode, press and hold this button more than 2 seconds to auto scan and memorize the radio stations. Full memory of it is total 30 radio stations. It can auto skip the empty space.

Manually memorize the radio stations: Press this button the number is flashing, when the number is flashing, press MODE/FM RECALL button to select the number what you want within 5 seconds press **A-B/FM SCAN/MEMO** button to memorize the number. Without any press this **A-B/FM SCAN/MEMO** button within 5 seconds, it will auto exit this function. When the numbers are memorized, the LCD screen displays the stable numbers.

**4 . 10-/FOLDER- :** In MP3 play mode, press this button to decrease 10 songs for play. When the present folder is less than 10 songs, it will jump to the last song. Press and hold this button more than 2 seconds,

\*10\*