

# Martin Ranger U-6800R

Wireless Microphone

With Plug-in USB Recharging Lithium Battery

**USER MANUAL**

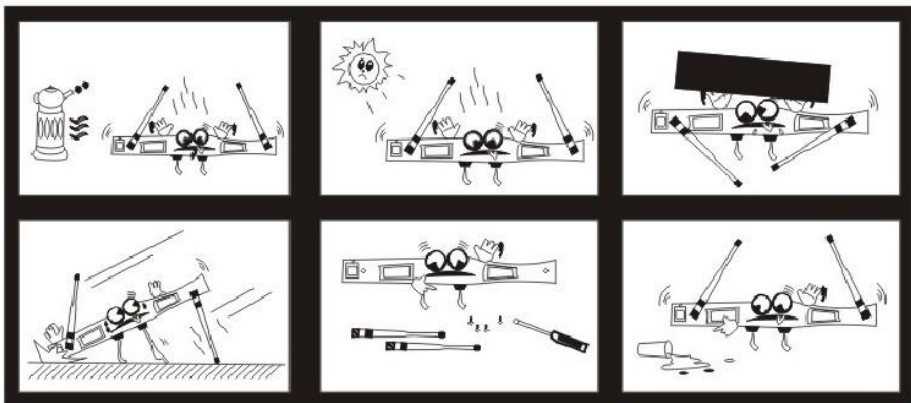
[www.martinroland.com](http://www.martinroland.com)

U. S. A.

# U H F

For warranty service must returned in **original box**.

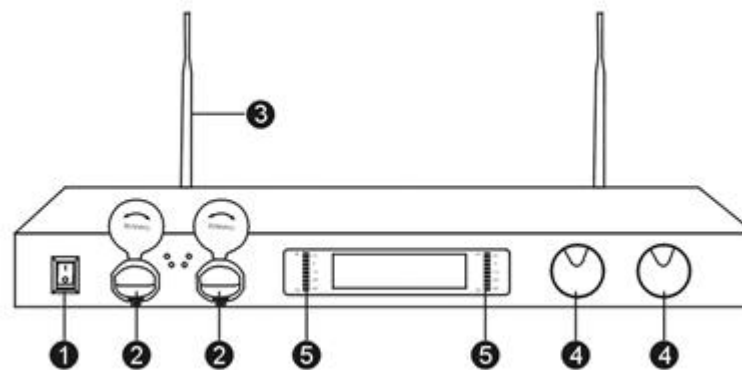
## Important Notice:



In order to better display wireless microphone system performance, please read the manual carefully before use.

- Don't use the system in above environment
- Non-professionals person could not dismantle the system at will.
- Vents should not be covered such as newspapers, tablecloths, curtains and so on items to obstruct ventilation.
- Equipment should not be placed on the naked flame sources, such as lighted candles.
- Don't throw waste batteries, please put in the designated recycling bins
- System can only work within  $-10^{\circ}\text{C}$ - $55^{\circ}\text{C}$ .
- Equipment should not be subjected to water or water splash, the equipment should not be placed on the liquid items such as vase decoration.
- Equipment with hazard "S" marked on the terminal is dangerous charged warned that outside of these terminals connected wires need to be installed by a personnel or use the thread guide leads or cord.

## Characteristics and control functions of receiver

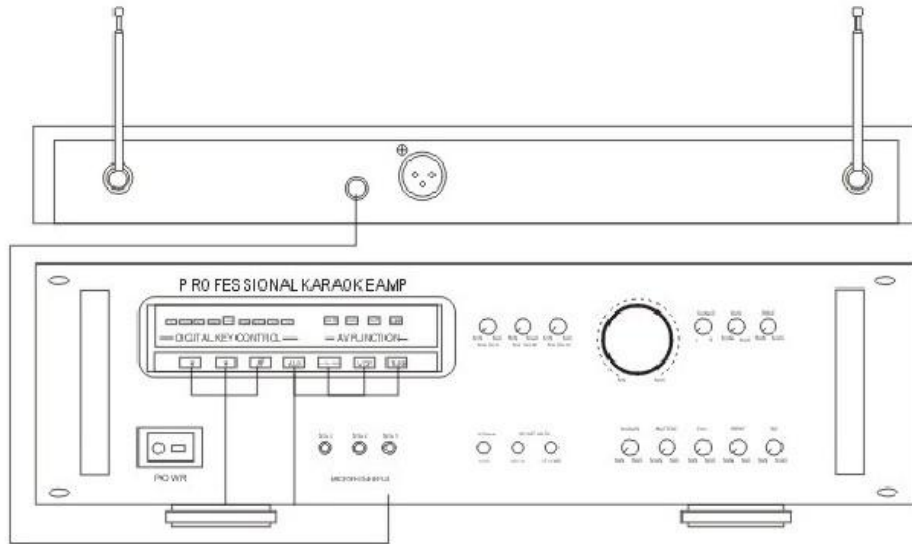


- 1, Power switch: Power supply on and off. (ON: Power on, the microphone work; OFF: turn off the power; CHARGE: charging state.)
- 2, Recharging interface of USB
- 3, Antenna: Receiving signals from the transmitting microphone. Because customer use the microphone transmitter in different location, it will cause the receiver antenna 1 and antenna 2 receives the signal intensity changes, then function with automatic selection information of the receiver will automatically switch to the reception signal strength channel connected to the receiving system to ensure the best working condition, effectively overcome the reception "blind spot" problem.
- 4, Volume: Output volume control knob, clockwise volume increase, counterclockwise volume reduced.
- 5, RF indicated light: When the receiver to receive the signal from wireless transmitter, the light bright.

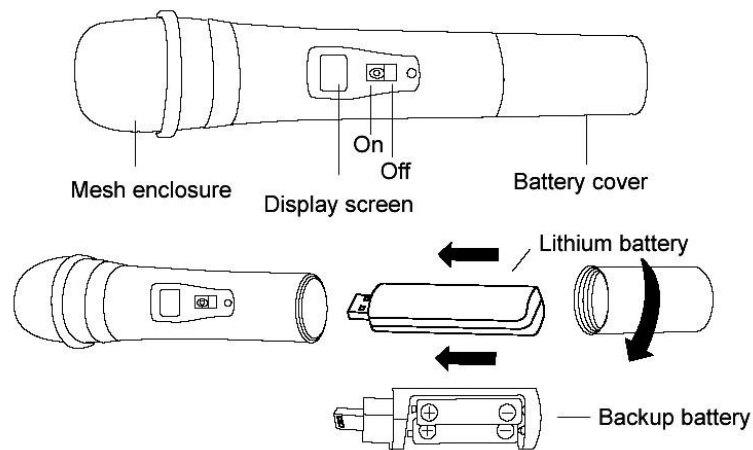
## Characteristics and control functions of back panel of receiver

- 1, Refer to below picture, connect with external devices: receiver MIC port connect with Karaoke power amplifier MIC, MIC A as the left sound channel, MIC B is right channel, MDING is mixed output.
- 2, Power supply: 220V/110V, turn on the power switch of receiver, adjust volume.

- Adjust A, B two channel knob to right position, adjust the appropriate volume for MIC/A or MIC/B, let you in high enjoy to sing and listen.
- Pull up the power cord when long time not in use.
- Receiver should be putted in the top position and pull-out the antennas for best operation.

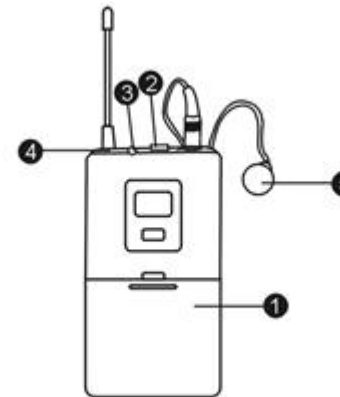


### Handheld microphone operation



- Turn on the power switch in receiver.
- Push the power switch in microphone to PWR position, check the power capacity of batteries.
- Check the multifunction display of receiver, to make sure the radio signals was receiving.
- Push the power switch in microphone to "ON" (open) position, push the MUTE switch to "OFF" position.
- The MUTE switch should be pushed to "ON" (muting on) when the microphone is not in use during singing or speech.
- Power switch must be pushed to "OFF" (close) position to save power when the microphone is not in use in the end of singing or speech.

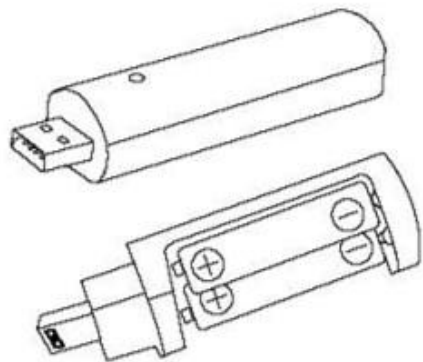
### Features and control functions for Belt-pack transmitter



### Belt-pack transmitter

- Battery cover: Push forward to open the battery cover
- Turn on power switch "ON", reverse is "OFF"
- Power light
- Input socket: Insert and tighten in a clockwise.
- Collar microphone: it can be caught in the collar, tie, or other instrument to use.

## Recharging Instruction



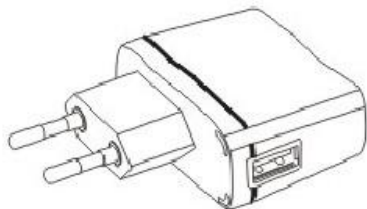
C5 rechargeable battery: (500Mah) 4-7 hours continuous working for microphone

C8 rechargeable battery: (800Mah) 7-10 hours continuous working for microphone

Backup battery case: 2\*1.5V AA batteries

1, A. Rechargeable battery can be directly plugged into the USB port on the receiver<sup>®</sup>, plug in the power switch to CHARGE, the battery charging indicator light when the power on; the indicator light goes out when the battery is full charged.

B. The rechargeable battery can be plugged into the recharging socket (as below picture) to connect power. The battery charging indicator light when the power on; the indicator light goes out when the battery is full charged.



C. Rechargeable battery can be charging in computer or mobile socket. The battery charging indicator light when the power on, the indicator light goes out when the battery is full charged.

2. Pull out the battery when the battery is full charged. Do not plug the battery in charging for long time to avoid to affect battery life. Notice: If you don't pull out the battery, it will automatically generate electricity when the external power supply stopped.

## Specification

Frequency stability: 0.005%

Frequency response: 50Hz-20KHz

S/N ratio: >100dB

T.H.D.: <0.5%

Working range: >40m

Working temperature: -10°C-50°C

Power supply: AC110-240V, 50/60Hz

(The performance of the battery may limit the scope of work)

Frequency range:

CH21	902.2MHz	CH22	905.8MHz	CH23	907.2MHz	CH24	909.8MHz
CH25	916.1MHz	CH26	920.9MHz	CH27	919.0MHz	CH28	924.2MHz
CH29	911.3MHz	CH30	914.5MHz	CH31	925.7MHz	CH32	929.8MHz

## The trick of getting best sound effect

- Transmitter face to receiver antenna, no barrier in the middle.
- Receiver and antenna must be far away from large metal equipment.
- To avoid the rotation of receiver near computer or other RF equipment.
- To avoid the rotation of receiver under audio equipment, unless antenna is placed over a long distance.
- Use the correct receiver antenna.

## TROUBLESHOOTING

Some common problems and their solutions are identified in the table below. if you are unable to solve a problem, contact your dealer.

Problem	Solution
No sound; RF light(S) not glowing.	<ul style="list-style-type: none"> <li>• Make sure the transmitter and receiver POWER switches are on.</li> <li>• Check battery.</li> <li>• Check battery.</li> <li>• Check receiver squelch setting.</li> <li>• Check receiver antenna connection(s).</li> <li>• Make sure antennas are in line of sight of transmitter.</li> </ul>
No sound; RF and Audio Level meter lights glowing	<ul style="list-style-type: none"> <li>• Turn up receiver audio VOLUME control.</li> <li>• Check for proper connection between receiver and karaoke unit.</li> <li>• Talk into microphone and observe receiver audio level lights. if they glow, the problem is elsewhere in the sound system.</li> </ul>
Received signal is noisy or contains extraneous sounds with transmitter on.	<ul style="list-style-type: none"> <li>• Check battery.</li> <li>• Remove local source of therefore interference, Regulate SQ.</li> <li>• If using a guitar or other instrument, check connections.</li> <li>• Two transmitters may be operating on the same frequency. Locate and turn one off.</li> <li>• Signal may be too weak. Reposition antennas. If possible, move them closer to transmitter.</li> </ul>
Noise from receiver with transmitter off.	<ul style="list-style-type: none"> <li>• Adjust receiver squelch control.</li> <li>• Remove local sources of RF interference.</li> <li>• Reposition receiver or antennas.</li> </ul>
Momentary loss of sound as transmitter is moved around performing area.	<ul style="list-style-type: none"> <li>• Reposition receiver and perform another "walkthrough" test and observe the RF indicators. if audio dropouts persist, mark these "dead spots" in performing area and avoid them during performance.</li> </ul>

Don't open and repair it when some serious breakdown happens, please contact with the seller or our company, we will help you whole heartedly thank you!