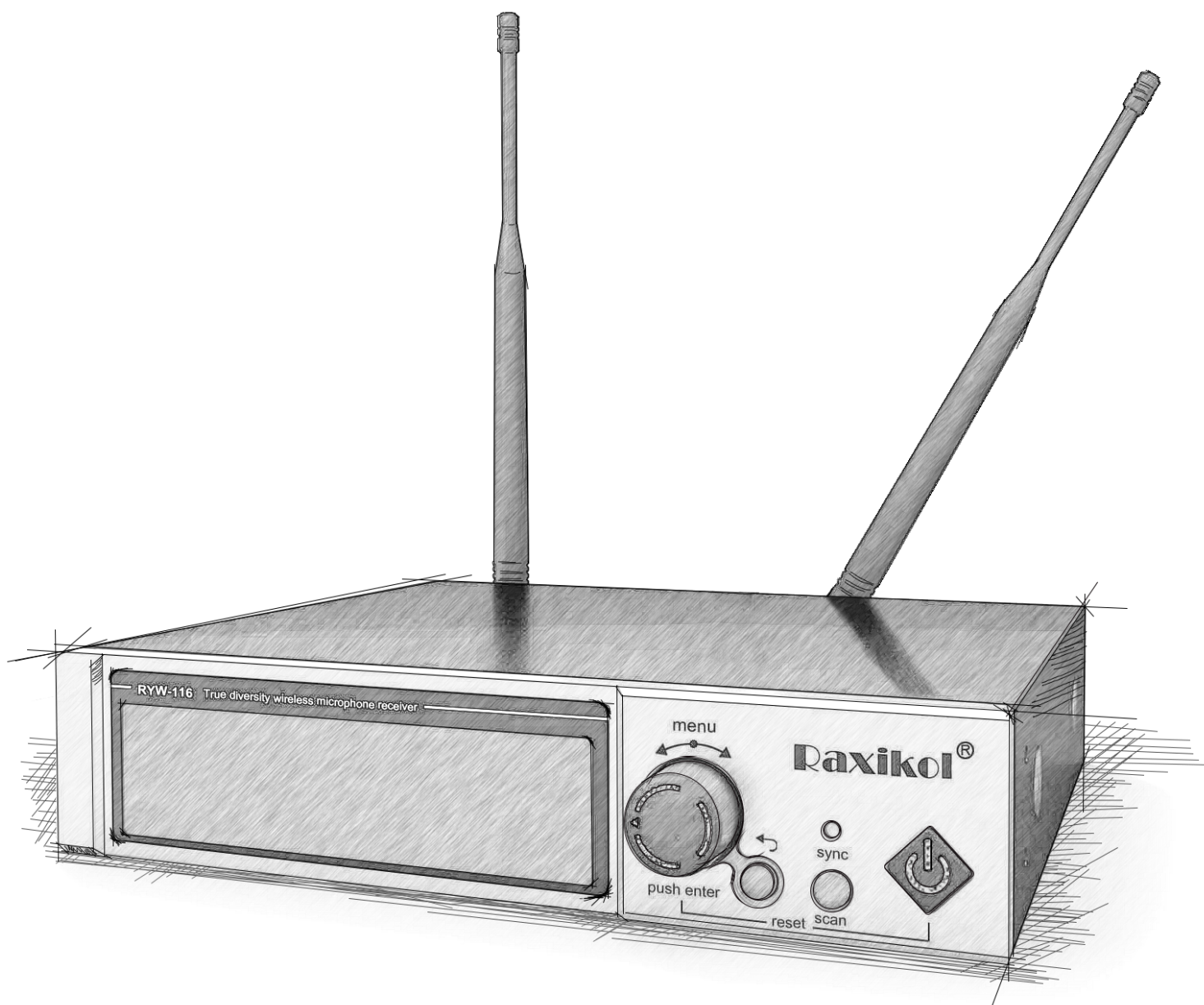


Operation Manual



RYW-116

<http://www.raxikol.com>

Raxikol®

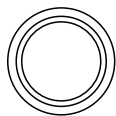


Receiver-Front Panel,Rear Panel



IR

IR Window



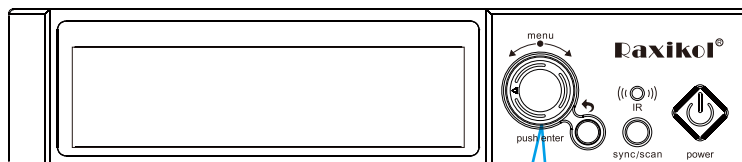
sync/scan

(Short Press) SYNC, (Long Press) SCAN



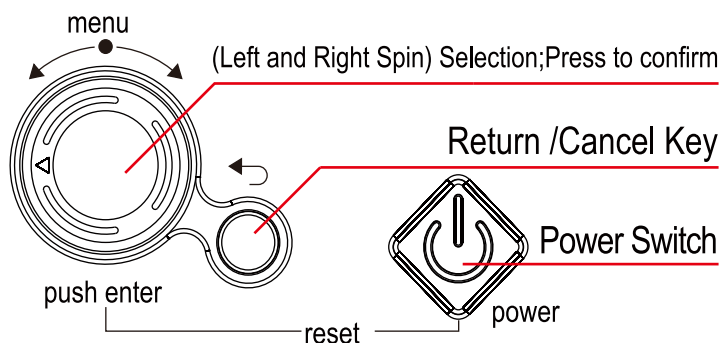
Scan/IR synchronization

Press and hold the key "SYNC/SCAN" to scan the optimum frequency. After scanning, then press short on the key "SYNC/SCAN" to finish the infrared synchronous operation.



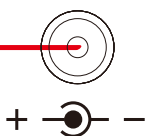
Factory Reset

With the power off, press and hold the "menu", then press the key "power" to turn on. The LCD display "reset", the factory setting successful recovery. Release all buttons.

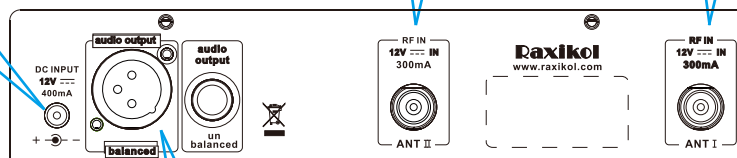
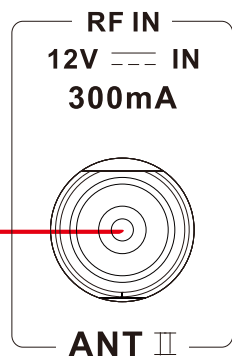


DC Power Matching Jack

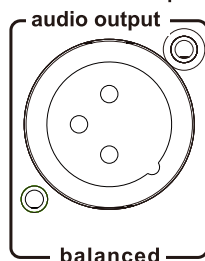
DC INPUT
12V ---
400mA



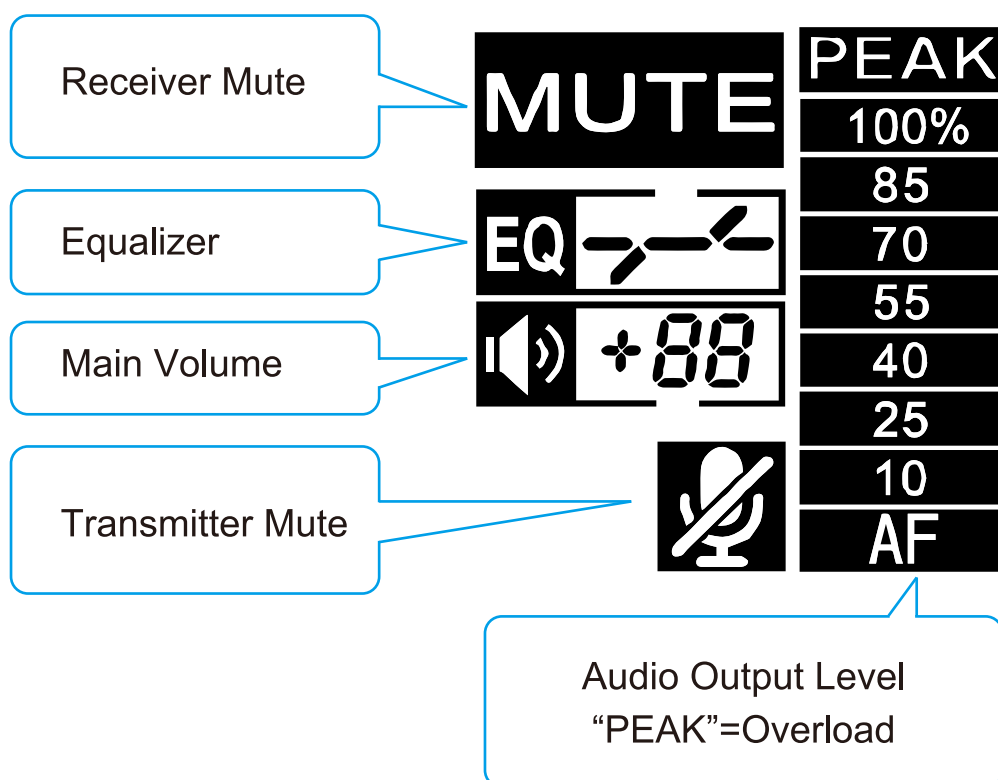
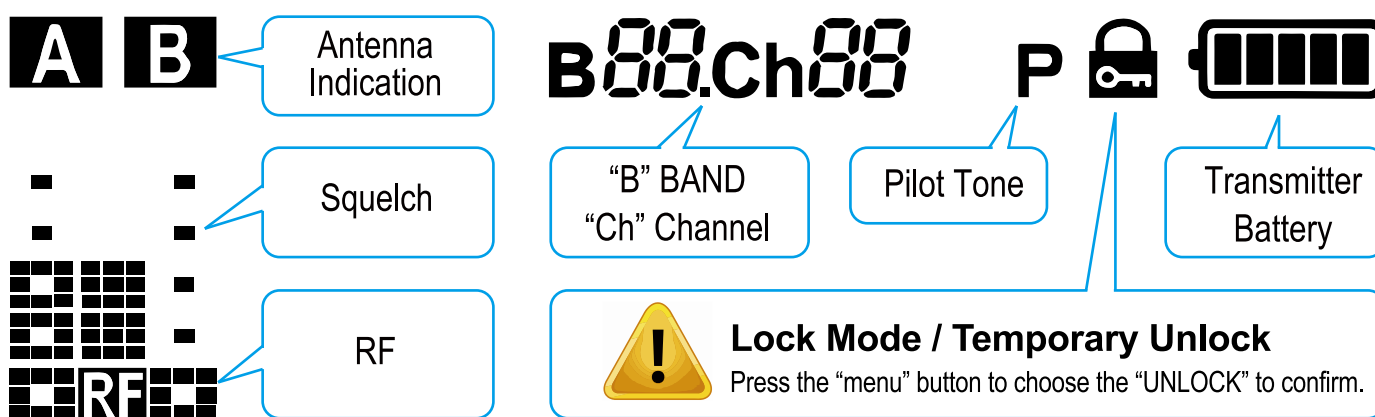
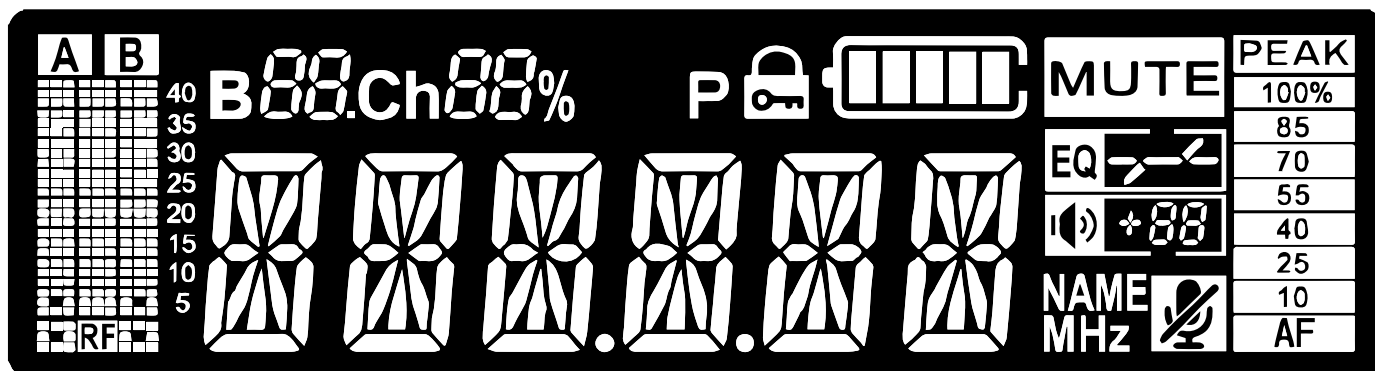
Antenna Jack



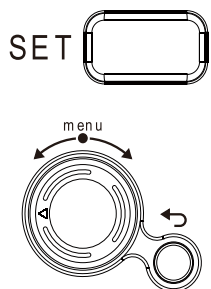
XLR(Balanced Output Socket)



Function for LCD of the Receiver



Operation of Receiver



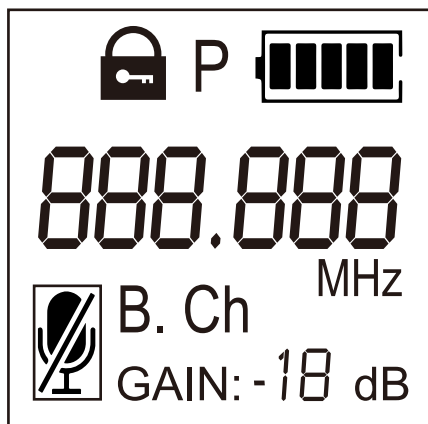
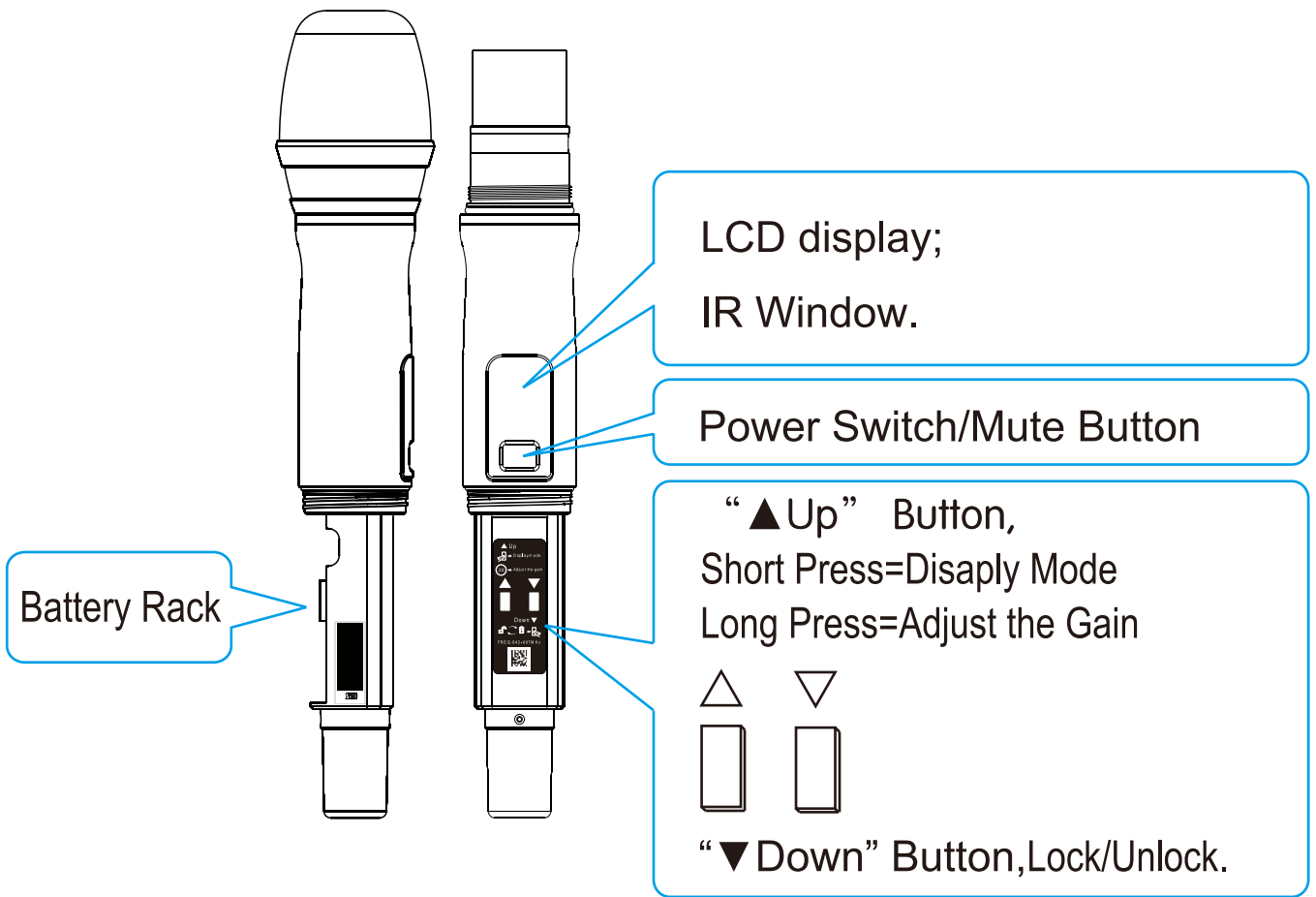
“SET” Key → Enter “menu” Key → Selection
Press the “ menu ” button = OK/save
Press the “↵” button = cancel/return

- CHAN ● Channel Adjustment. The channel “U” is predetermined frequency.
- SCAN ● Scan Optimum Channel
- PILOT ● Pilot Tone
- LOCK ● Autolock Function
- EQ ● Equalizer Adjustment (Flat, Low Cut, Low Cut/High Boost, High Boost)
- AF OUT ● Main Volume Adjustment
- NAME ● Enters a freely selectable name
- SQELCH ● Squelch Adjustment (-100dbm, -90dbm, -80dbm)



Please scan the QR codes (Receiver/Package) to get the latest electronic version of the manual.

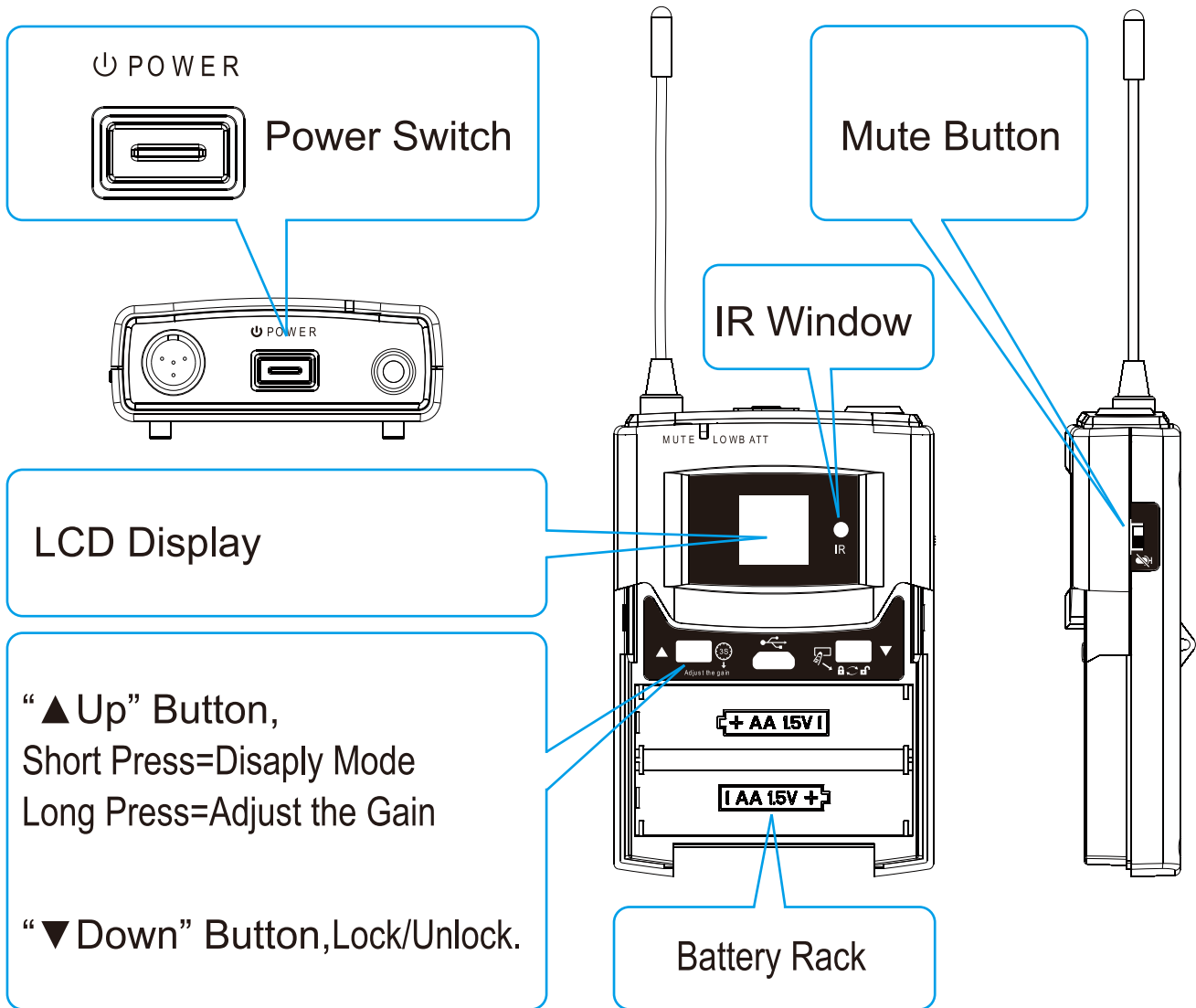
Handheld Transmitter



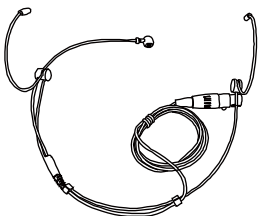
- Lock Mode
- Pilot Tone
- Battery Status
- Mute
- B. Ch
- Band. Channel
- GAIN: Gain

LCD function for handheld and bodypack transmitters

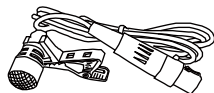
Bodypack Transmitter



Accessories list



Headset Mic(Option)



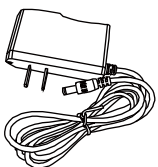
Lavalier Mic



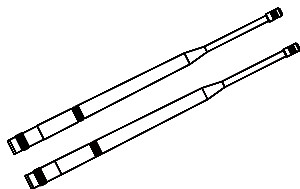
Guitar Cable



Signal Cable



Power Adapter



BNC Antenna



AA Battery



Instruction for security and warranty

1. Please read this operating manual carefully before installation and use, and keep this manual for later reference.
2. Cleaning: please turn off the power supply before you clean the units, and wipe with the dry and soft cloth.
3. Do not use any unmatched accessories without the permission of the factory.
4. Do not put the equipment on the environment of wet or high temperature to avoid risk to happening.
5. Power Supply: USA/Japan: AC 110V-120V 60Hz ; Europe: AC 220V-240V 50Hz
6. When it is lighting, please pull off the power the power plug to protect the equipment.
7. If the equipment will not be used for a long time, please turn off the power or even pull off the power plug, and take off the batteries in the transmitter.
8. Please contact the dealer directly when you have any needs for maintenance or after service for the equipment, and do not disassemble the equipment by yourself.



Warranty Policy

All the equipment will have 12 months for free maintenance except the man-made damage, such as:

1. Fell and broken by man-made reason.
2. Damaged by disoperation.
3. Disassemble the equipment by yourself and damaged or lost components.

For equipment over the warranty policy, we also offer maintenance service with reasonable cost.



Tips for Improving System Performance

- Assure that there are no obstacles between the transmitter and receiver.
Do not put the receiver close to the metal surface or any other digital equipment (such as CD, PC etc).
- The receiver should be 1 M above the ground, and keep away from the walls.
For better ventilation, keep more than 20cm for the surrounding distance.
The ventilation holes should not be covered.
- Cellular phone and bidirectional radio will interfere, please keep away from these equipment and other potential interference.
- Do not put the equipment on the sunshine, or in the wet environment.
Do not disassemble the equipment by yourself.
Do not put the any fire source such as candle on the receiver.
- Please put used batteries to the appointed recycle box.
The working temperature for the equipment is $-5^{\circ}\text{C} \sim +50^{\circ}\text{C}$.



Technical Data

Receiver

Frequency Range _____ 641~698MHz

Switching Bandwidth _____ 57MHz

Sensitivity _____ -106dBm

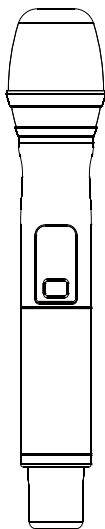
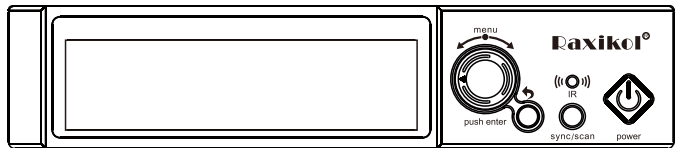
Dynamic Range _____ ≥ 112 dB(A)

THD _____ $< 1\%$ (Without Cartridge)

Receiver Principle _____ true diversity

Audio Output Level _____ (Jack)+6dBV max;(XLR)+12dBV max

Frequency Response _____ Flat 60Hz~15KHz(-3dB);Low Cut/High Bosst(-3dB at 180Hz/+6dB at 10KHz)



Handheld Transmitter

Frequency Range _____ 641~698MHz

Switching Bandwidth _____ 57MHz

Peak Deviation _____ 48KHz

Spurious Emissions _____ ≥ 60 dBc

Frequency Response _____ 50Hz~15KHz

THD _____ $< 1\%$ (Without Cartridge)

Power Supply _____ 2*AA Alkaline/Rechargeable Battery

Battery Life _____ $\approx 6\sim 8$ H(Alkaline); Current ≥ 150 mA(3V) \geq

Bodypack Transmitter

Frequency Range _____ 641~698MHz

Switching Bandwidth _____ 57MHz

Peak Deviation _____ 48KHz

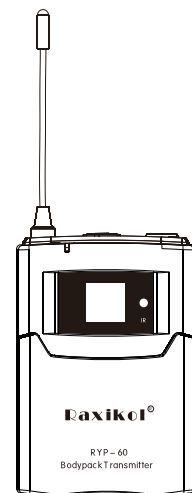
Spurious Emissions _____ ≥ 60 dBc

Frequency Response _____ 50Hz~15KHz

THD _____ $< 1\%$ (Without Cartridge)

Power Supply _____ 2*AA Alkaline/Rechargeable Battery

Battery Life _____ $\approx 6\sim 8$ H(Alkaline); Current ≥ 150 mA(3V)





Dimensions

Model	Name	Product Description	Size	Cover
RYW-116	Single Channel Receiver	≈1025g (Without Rubber Antenna)	44mm×210mm×172mm Height×Width×Depth	Stainless Steel
RYH-32	Handheld Transmitter	≈322g (Wihout Bettery)	250mm×51mm Length×OD	Aluminium Fabrication
RYH-53	Handheld Transmitter	≈320g (Wihout Bettery)	260mm×51mm Length×OD	Aluminium Fabrication
RYP-60	Beltpack Transmitter	≈87g (Wihout Bettery)	91mm×64mm×23mm Height×Width×Depth	ABS
RYP-86	Beltpack Transmitter	≈81g (Wihout Bettery)	71mm×64mm×23mm Height×Width×Depth	ABS