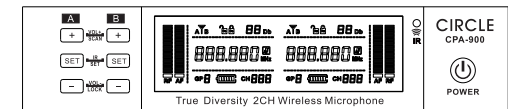


User Manual



CPA 900

TRUE DIVERSITY
WIRELESS MICROPHONE KIT



www.circleproaudio.com



Thank you for purchasing our product. Please read this user guide carefully before using the microphone for seamless experience.

Troubleshooting

Issue	Solution
Power switch lamp is not working	Check if the power cable is plugged correctly and is switched on. Also check the fuse.
Signal lamp flashes but no voice output	Check if the volume is turned on to the maximum and the plug is inserted correctly
Unstable signal or signal range is very less	Check if the antenna is inserted properly. Also make sure that the receiver is kept properly aligned with the transmitter and is not near any magnetic field
Sounds different or disturbance in audio	Check if the battery is low and please change it, please scan the environment before syncing the microphone to avoid RF disturbance

Thank you for your trust and support to our company. The new revolutionary series wireless microphone can give you a free feeling. In order to maximize the model's function please read the operation manual first.

FEATURES

The revolutionary series wireless conference microphone is designed by our company with many years experience, different from the traditional wireless conference microphone design feature, and performance. It has UHF / PLL/TONE-LOCK three high-end technology professional wireless microphone system. The system use UHF frequency band with PLL combined technology making the frequency adjustable. Special adaptive tone locked pilot system for avoiding the same frequency interference. The system is operated by CPU control, Digital LCD display, with simple operation and perfect display combination. Excellent signal directional pick-up and limb makes the system have high quality sound, make the output audio have high S/N ratio and high-fidelity sound quality.

POINTS

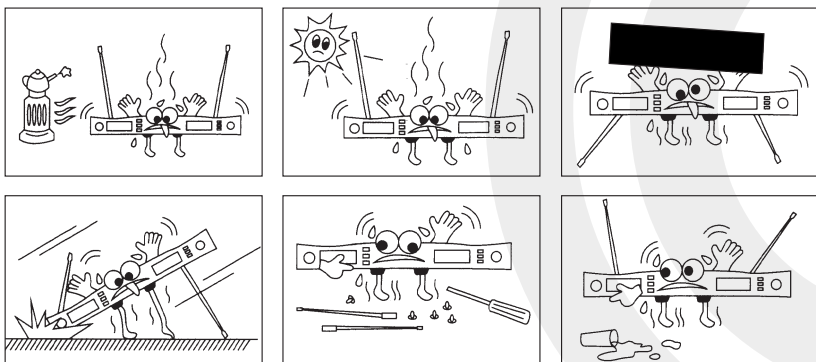
- *. Uses UHF 470-786MHz PLL combined technology Power plus usable adjustable transmitter power to avoid interruption
- *. CPU control with LCD display makes operation easy and outstanding performance
- *. With switch for anti-interference and anti-equalizing, recommended for small venues & conference use.
- *. The receiver adapts multi-level high frequency enlargement. So it has high sensitivity.
- *. Multi-level noise supervisory circuit. Special tone key locked identity functions make the machine have a strong anti-jamming Characteristics
- *. Perfect performance using the best chips and limbs
- *. UHF True Diversity, distance :80 to 100 meters

CAUTION



Do not open the case without professional supervision.

- *Please read the manual before using the unit
- *Keep the manual for further use
- *Additional device: only use the additional device suggested by the manufacturer to avoid any problem.
- *Keep the machine away from water
- *Place the machine in well-ventilated place, 5 cm away from other devices.
- *Place the unit away from extremely hot and humid environment.
- *Please use the adaptor by the manufacturer.
- *When the unit is idle, kindly remove the batteries to avoid leakage and damage to the device



Warning: Take precautions against electric shock or fire. It must be placed at a dry and clean environment.
DO NOT OPEN THE MACHINE WITHOUT SUPERVISION.

SPECIFICATION

RECEIVER

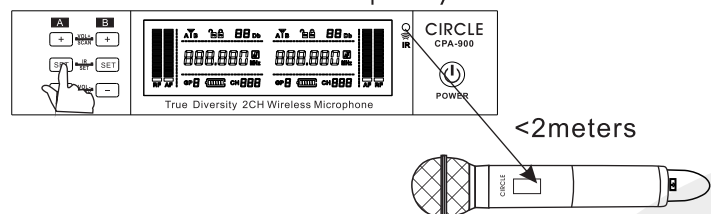
- * Operating frequency: 470-786MHz
- * Channels: 2*100channels
- * Bandwidth: 50MHz
- * Channel space: 250KHz
- * ACR/IR SYNC and scan technology
- * Battery display on LCD
- * S/N ratio: >105dB
- * T.H.D distortion: <0.5%
- * Frequency response: 20Hz-18KHz
- * UHF True Diversity, distance :80 to 100 meters

TRANSMITTER(handheld/bodypack)

- * Channels: 200channels
- * Bandwidth: 50MHz
- * Channel space: 250KHz
- * Frequency stability: ~0.005%
- * FM Max frequency adjusting: ~45KHz
- * RF output: HIGH 10mW / LOW 5mW
- * Power supply: 2*AA batteries

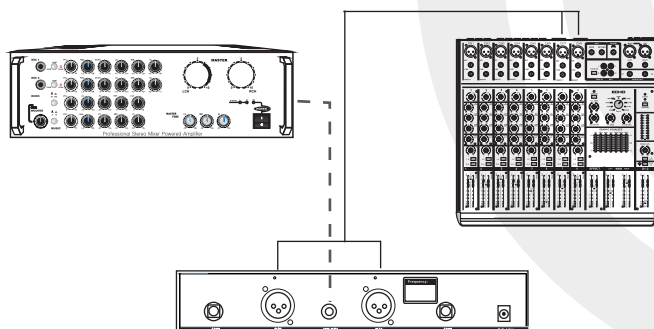
IR frequency setting

Press SET key ,now put the IR sending window in front of the receiver directly to the IR receiving window of transmitter within a range of 2 meters to SYNC to the same frequency.



Connecting instruction

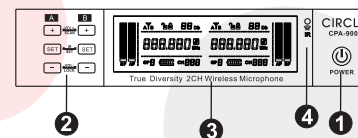
- 1-Install antenna at 90 degree angle with the receiver
- 2-Insert the receiver with the power adaptor to the power supply
- 1)Connect with Amplifier: Use 6.35mm audio cable to connect with the receiver's output connector.
- 2)Connect with Mixer: Use XLR audio cable to connect with the receiver's XLR independent output connector



Connect with amplifier or mixer for normal use.

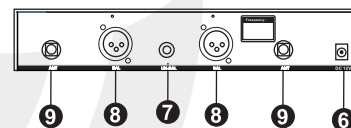
Receiver function

Front panel



- 1 - Power Switch
- 2 - Setting Key: SCAN/UP, IR/SET, LOCK/DOWN
Short Press SCAN/UP key is for scan function operation
IR/SET, Short Press this key for IR switch, put the mic's IR window close to the receiver's IR window and press IR/SET key.
Long press IR/SET key for frequency setting, long press till frequency flashes, then press UP or DOWN key to choose the frequency.
Press+ for volume setting, then press -/+ to adjust volume control
- 3 - LCD display for CH A/B: Frequency, AF, RF, Channel and Frequency, Battery
- 4 - IR Sending Window

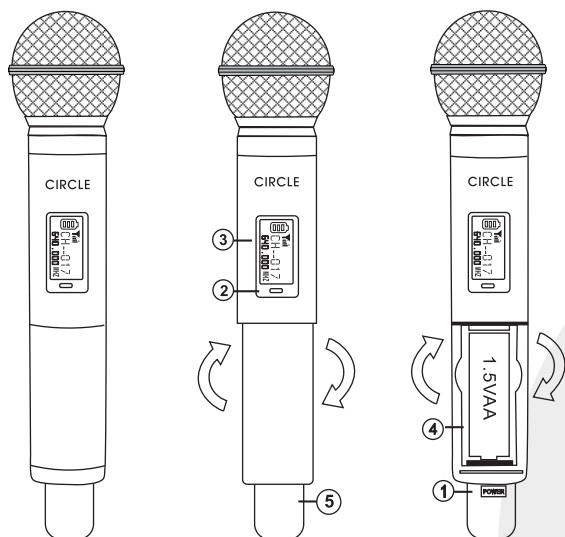
Back panel



- 6 - DC IN : 12V,500mA(please use the adapter supplied in the box)
- 7 - Unbalanced MIX OUT: 6.35mm audio output for channel A/B
- 8 - Balanced MIX OUT: XLR audio out put for channel A/B
- 9 - Antenna : channel A/B

Transmitter function

HANDHELD TRANSMITTER

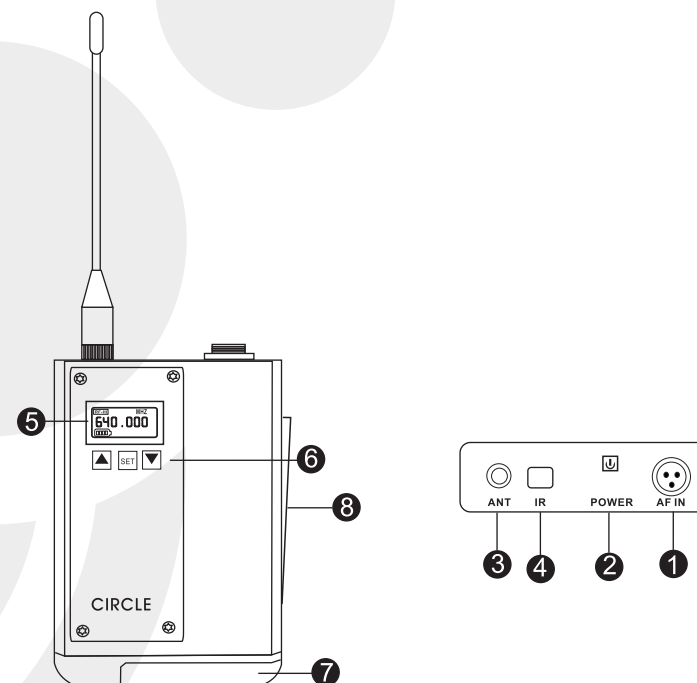


- 1-Microphone head
- 2-LCD display:frequency,battery life,RF power
- 3-power switch,5times press for RF power selection:
high power: , low power: 
low power,can be 200meters for outdoor ,battery life:5-7hours
high power,can be 300meters for outdoor,battery life:2-4hours
factory setting for low power is enough for regular use for 60-200meters,
if you want longer distance,you need to adjust to high power byself,
distance:100-300meters
- 4-batter case:2*AA 1.5V,please take the battery out if you don't use for ong time
- 5-IR receiving window:put<2meters to receiver IR sending window
when IR antomatic frequency

Operating instruction

- 1.Switch it on ,once the LCD is on it will display the frequency and battery life.
- 2.If you want to change to a different frequency , change the receiver frequency then put the transmitter IR window direct to the receiver's IR window.
Press SET key on receiver, now the new frequency will be sent to the transmitter,
press the UP/DOWN key to change the frequency.

BODYPACK TRANSMITTER



- 1-single channels XLR mic input
- 2-power switch:on/off
- 3-antenna
- 4-IR receiving window
- 5-LCD display
- 6-SETTING key:to select frequency&RF power:high/low
long press SET key to lock function,and then long press for unlock
- 7-battery case:2*AA1.5V
- 8-metal clip cover