

User Manual

2ch True Diversity wireless Microphone

RIVER ACOUSTICS

DM-1000

WIRELESS MICROPHONE

Professional Audio

Thankfulness on purchasing our products. Please read this user guide carefully before using, just to ensure the microphone could be performed optimally

REPAIR DIY

Malfunction	Reason & Disposal
Press power switch the lamp is not lighting	Check if the cable is plugged correctly and the power is on . Also check the fuse.
Signal lamp flashes but no voice output	Check if the volume is turned on to the minimum or the plug is inserted correctly
Receiving range getting closing and signal getting instability;	Check if the antenna has moved out, or the receiver is in a wrong position (on the ground or at the corner), or near the magnetic field (keep away it)
Sound become Different	Check if the battery has run out (please change), or there's the same frequency round, (or there're 2 sets of same products working at the same time and same place Please keep at least 100meters)

Accessories:

*Receiver-----1pcs
*transmitter-----2pcs
*audio cable-----1pcs
*battery-----4pcs
*receiving antenna-----4pcs
*power adaptor-----1pcs
*operating manual-----1pcs

TECHNICAL PARAMETERS

1)FUNCTIONS

Frequency Stability: $<\pm 10\text{ppm}$
Operating range: $>105\text{dB}$
T.H.D.Distortion: $<0.5\%$
Frequency response:40Hz-18KHz
Tone output: Banlanced output: 0---600mV
Unbalanced output :0--300mV

2)RECEIVER

Frequency range: A694.5-702.7MHz & B748.3-757.7MHz
Power adapter supply voltage:AC110V/230V 50Hz/60Hz
(Please handle the products according to the marks on the receiver and adapter)
Operating voltage:DC-12V,800-2000mA
Use Up Power: 5W
S/N Ratio: $>105\text{dB}$
T.H.D Distortion: $<0.5\%$
Output sensitivity:540mV
Amplitude modulation for RX singal:-102dBm

3)TRANSMITTER

Frequency range: A694.5-702.7MHz & B748.3-757.7MHz
Sensitivity:-48db $\pm$ 2db (at 1KHz)(0dB=1VPa)
Output impedance:(600 $\pm$ 15%)ohms(at1KHz)
frequency response:60HZ-16.5KHZ
Transmitter Power:8dBm
High Wave: $<$ Main Wave 40dB
Power Supply:3V(2 X AA 1.5V Alkaline batteries or high-capacity AA 1.2V 1800mA rechargeable batteries)
Standing Time:8Hours

Thanks for your trust and support to our company.The new e revolutionary series wireless microphone can give you a free feeling and great successful feeling .In order to maximzze the model's function. please read the operation maual first.

FEATURES

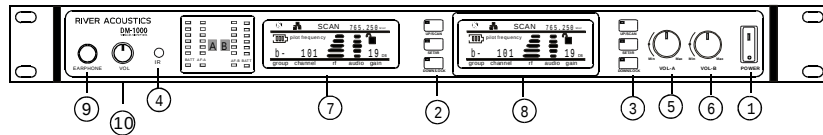
The e revolutionary series wireless conference microphone is designed by our company with many years experience,ifferent from the traditional wireless conference microphone design feature,and performance, it is one which has UHF / PLL/TONE-LOCK three high-end technology professional wireless conference microphone system. The system by use UHF frequency band with PLL combined technology make the frequency adjustable.Specially adopt tone locked pilot system for avoiding the same frequency interference Let receiver output interference signal. The system is adopted by CPU control , Digital LCD display,With simple operation and perfect display combine .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

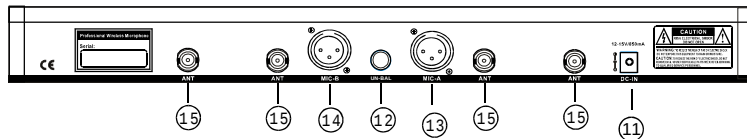
- *.Use UHF500-980MHz PLL combined technology Power plus usable adjustable transmitter power to avoid interruption
- *.CPU control with LCD display makes operation easy and performance outstanding
- *.Use multi-channel high band and intermediate hand to select and filter frequency for better anti-interrupting
- *.With audio compressing-expanding technology,the machine can decrease noises and increase the dynamic range
- *.Having backsound restrain function can avoid backsound scream
- *.The receiver adopt multi-level high frequency enlargtment.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
- *.100 meters in best condition,60 meters in normal condition

RECEIVER

1-front panel



2-back panel



1-power switch :turn on the switch,the lamp is on.

2/3-setting key:SCAN/UP,IR/SET,LOCK/DOWN

short press SCAN/UP key,it is for scan function operation

scan out the free frequency

IR/SET,short press this key,it is for IR switch,put the mic IR window close to the receiver IR window and press IR/SET key,if the transmitter frequency is same as receiver ,that means IR finished .

Long press IR/SET key,it is for frequency setting ,long press to the frequency flashing,then press UP or DOWN key to choose frequency.

4-IR sending window

5/6-CHA/CHB volume control

7/8-CHA/CHB LCD display

9-earphone /audio input

10-earphone volume control

11-DC IN:DC12V,1200mA

12-6.3mm mixed unbalanced output

13/14-XLR unbalanced independent output

15-antenna

RECEIVER INSTALL NOTICE :

Keep the receiver more than 1 meters from the ground and the wall ; remove the antenna and keep it perpendicular to get the perfect performance .

MACHINE NOTE ITEM

- 1.Avoid to put the receiver in the dead corner to keep the best receiving condition when using it
- 2.As the water may damage the machine,so keep the machine away from water or burnt by the sun and rain.
- 3.Try not to keep the machine close to the magnetic field and big biscuits
- 4.Don't dismantle the machine by yourself,for there may be the high voltage inside which can hurt you.
- 5.Make sure to put the power switch to the OFF when change the battery.
- 6.Please remove the battery when you are not going to use for a period of time to avoid any damage to the machine.
- 7.Please turn off the AC power when you are not going to use the receiver for a long time.
- 8.If the machine falls down or something goes inside,stop using it and contact with the local distributor immediately.
- 9.The machine includes something changable,please don't dismantle to change it yourself or you will lose the right of repair.

Sweep this machine

Before repairing and sweeping the machine.Make sure turn off the AC power You can use the soft cloth to sweep ,If you want to sweep the stubborn smutch,you can use the cloth with midium flushing liquor, and then wide the water away .Don't use volatile gasoline and other chemical drugs or will damage the machine.

OPERATING OF THE RECEIVER

1. Follow the frequency and install four antennas as the picture indicating for a 90 angle with Receiver body (note the frequency paper)
2. Insert the receiver power socket with the power adapter output (power adapter see attached of box)
3. *mixed output: plug the 6.3mm audio cable to MIXED-UNBAL on the receiver back side and connect mixer or amplifier MIX IN or AUX IN
*balance output: plug the XLR audio cable (provided by yourself) in BAL A/B/C/D, and connect the mixer or amplifier MIC IN or AUX IN
4. Press receiver switch, the LCD display is on, it means the machine is on. Open the transmitter and the RF is full level, and now the MUTE is disappear on LCD of receiver. Speak to the microphone, AF level is rising up. Press switch for transmitter, microphone lamp is off but LCD is still on without lamp, it means on MUTE position. Press again to turn on the transmitter, the microphone is on. If the microphone lamp is flashing, it means low battery.
5. SET setting: there are A/B/C/D channels, press SET 2 times to be SEND and then -----, it means IR searching, when the IR setting is OK, the transmitter LCD background lamp is on. Now the transmitter and receiver frequency is same.
6. User can adjust for a better location, follow each person's sound, avoiding over-strong vol

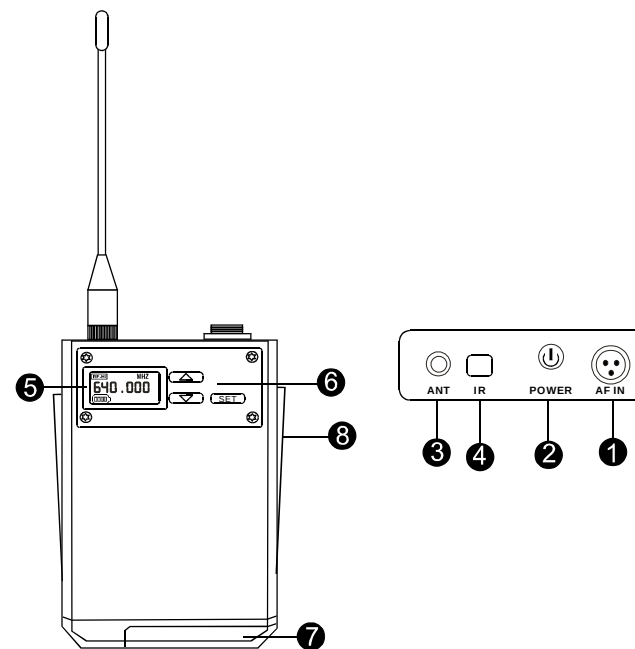
OPERATING OF TRANSMITTER

1. Open the battery cover and install 2 AA batteries. Make sure that the batteries are installed with the right polarity.
2. Press power switch, power lamp lighting express transmitter normal work
3. Press the switch for 2 second to press power on for conference microphone
4. Channel setting: can not use the same frequency at the same time and same place. Channel frequency set follow below: put the IR window for conference direct to IR A/B on receiver position, press SET key on CHA for 2 times, then to be SEND position, and then to be ----- position, it means on IR searching, then the LCD lamp is on, it means IR setting is OK, now the conference frequency and receiver frequency is same.

attention :

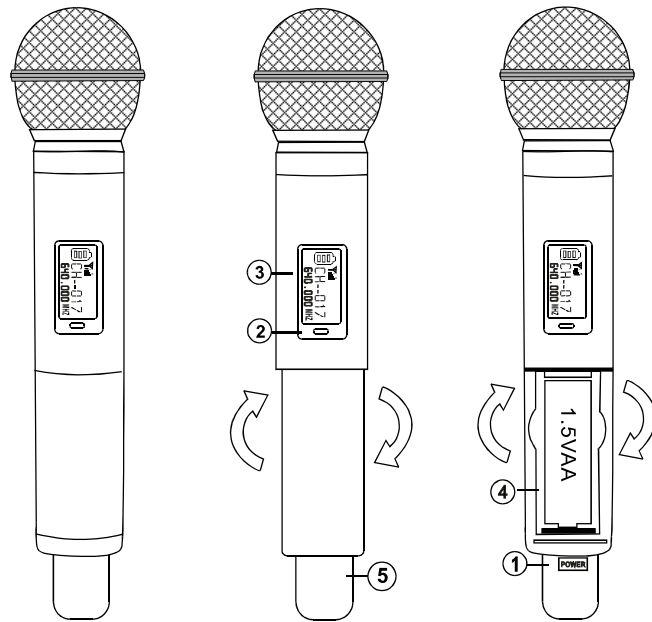
Turn on the power switch on conference, if microphone lamp is flashing, it means it is no battery, you should change new battery.

TRANSMITTER-Bodypack



- 1-single channel 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*AA 1.5V
- 8-metal clip cover

TRANSMITTER-Handheld



1-mic head

2-LCD display:frequency,battery life

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

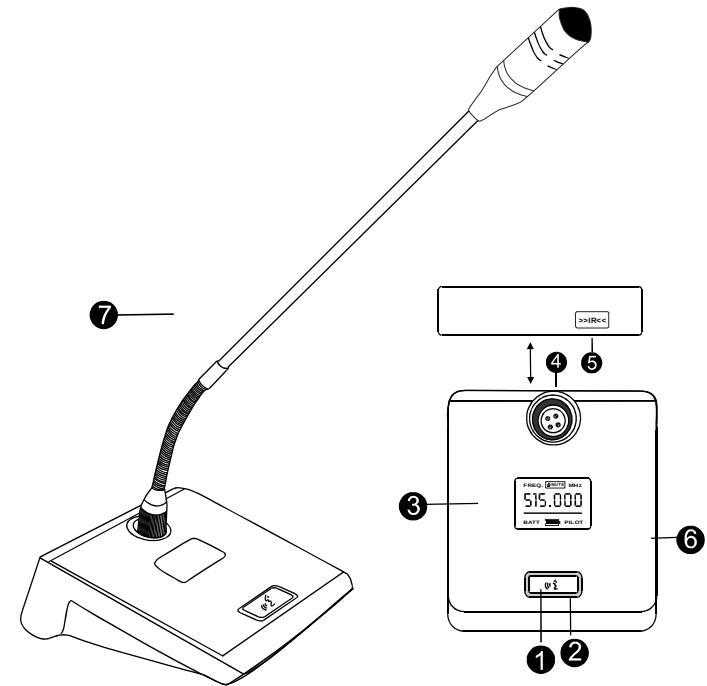
4-batter case:2*AA1.5V ,please take the battery out

if you dont use for long time

5-IR receiving window:put<2meters to receiver IR sending window

when IR automatic frequency

TRANSMITTER-Conference



1-power switch:ON/OFF,long press for on/off,short press for mute

2-power light

3-LCD display:frequency,battery life

4-4 pins XLR audio input for microphone

5-IR receiving window:put <2 meters to the receiver IR sending window when IR automatic frequency

6-battery cover:alkaline AA1.5V battery*2pcs,please take the batteries out if nouse for long time

7-microphone pole