4.Sliding the power switch of the transmitter control panel to "ON" position, as show in Fig.7, the battery status indicator gives a flash to indicate a normal operation. If there is no flash, it indicates either power supply is not available or battery is installed wrongly. If the indicator keeps lighting , it indicates that battery is weak , a replacement is necessary.

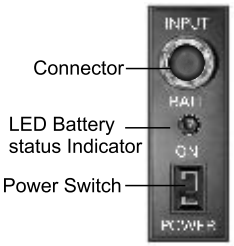
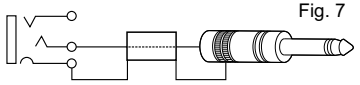


Fig. 7

5.The pin arrangement of the transmitter's connector jack is shown in Fig.6. A unique feature of the M-303 is its seperate high / low impedance and bias with the same jack for ECM input. You could properly match the high impedance input signals such as electric guitar, or low impedance input signals such as dynamic microphone, then choose the proper input connecting cable and plug correctly, as shown in Fig. 7, 8, and 9 .

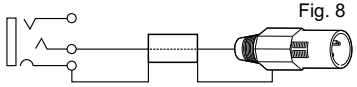
Belt-Pack Transmitter

Fig. 7



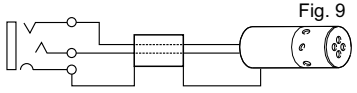
■ High Impedance Input for Electric Guitar

Fig. 8

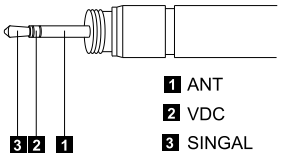


■ LOW IMPEDANCE INPUT FOR DYNAMIC MICROPHONE

Fig. 9



■ With Bias Input for ECM



Threaded Mini Plug(STEREO)

Fig. 6

6.After switching on , the RF signal indicator LED(s) of matching receiver will light up , indicating the microphone signal transmission is in normal operation.

7 . Switch off the power when the microphone is not in use , meanwhile remove the battery out of microphone if it is not in use for an extended period.

Caution: The audio cable serves as antenna for this VHF system. Please stretch the cable to its maximum to get the most efficient transmission power.

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CHIAYO

R-1010/R-2010

M-1000 / Q-1000

WIRELESS MICROPHONE SYSTEM

Operating Manual

TÜV CERT
DIN EN ISO 9001
Certificate NO:09 100 89126
通過 ISO 9001品質認證

GENERAL

OUTLINE

R-1000 / R-2000 is a VHF high-band non-diversity system with quartz controlled fixedfrequency design. The receiver must be combined with Chiayo's Q- and M-series of wireless microphone.

COMPOSITION

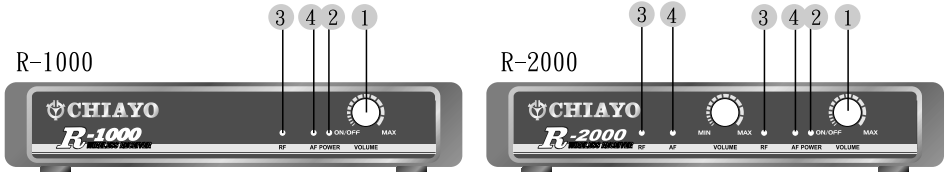
1. MAIN FRAME:R-1000 / R-2000
2. ACCESSORIES:1)AC adapter 2)antenna X 1(R-1000) /antenna X 2(R-2000)
   3)Output cable / PHONE 4)Operating manual

SYSTEM COMBINATION

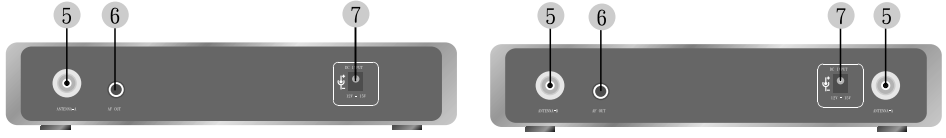
1. MATCHING WIRELESS MICROPHONE:Q- and M- series such as Q-1000 & M-1000

CONTROLS AND FUNCTIONS

FRONT PANEL



REAR PANEL



CONTROLS AND FUNCTIONS

1.POWER SWITCH AND VOLUME CONTROL
Turn the knob clockwise until it clicks to switch on the power. Further turning will increase the volume.

2.POWER ON INDICATOR
When power is switched on，the power on LED will light up.

3.RF SIGNAL INDICATOR
Indicates RF signal received. As soon as signal is emitted from the microphone， the LED of the indicator will light up.

4.AF SIGNAL INDICATOR
Indicates the audio signal. When sound is applied to microphone，LED will light up.

5.ANTENNA INPUT JACK
For direct mounting of antenna or antenna extension cable.

6.UNBALANCED AUDIO OUTPUT JACK

7.DC POWER SUPPLY INPUT SOCKET
A 12-15V external DC power supply or an AC adapter could be connected to this socket while the negative is grounded.

Belt-Pack Transmitter(M-1000)

1.The Belt-Pack transmitter is shown in Fig.1.

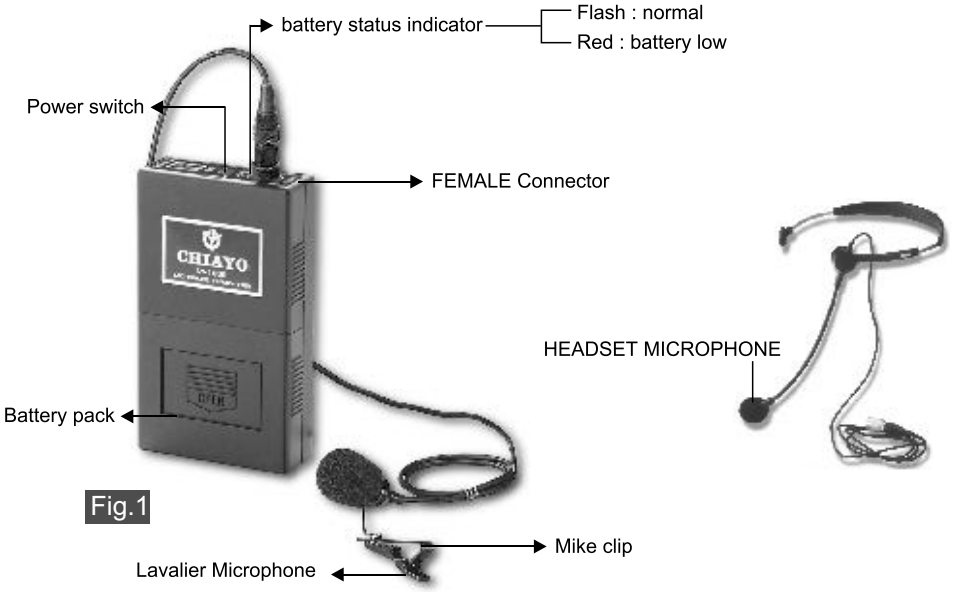


Fig.1

2.To access the battery ,pull out the battery cover as in Fig.2.

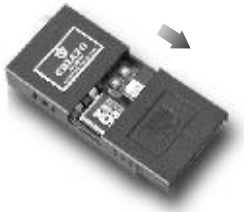


Fig.2

3.Insert a 9V battery with correct polarity into the battery compartment and put back the compartment cover, as show in Fig.3.4.

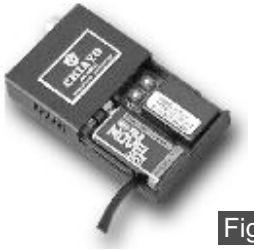


Fig.3

Fig.4

HAND-HELD Microphone (Q-1000)

1.The microphone is shown in Fig 1.

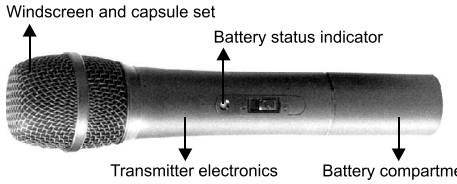


Fig. 1.

Wireless Microphone

2.To access to the battery compartment,loosen the battery pack in counter clockwise direction , as shown in Fig. 2.

Fig. 2.

3. Insert one piece of 9V battery with correct polarity, as shown in Fig. 3. Before inserting the battery , make sure that the power switch is switched off.

Fig. 3

4. After putting the battery cover back to the housing, slides the switch to "ON" position as shown in Fig. 4.

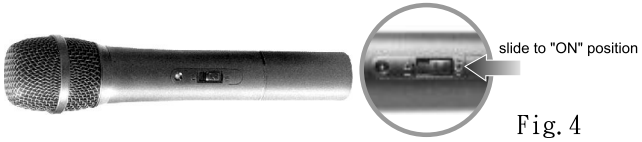


Fig. 4

5.As soon as the switch is on,the battery-status indicator will give a flash,indicating a normal operation. If there is no flash , it indicates either power supply is not available or battery is installed wrongly.

6.After switching on,the RF signal indicator LED(s) of matching receiver will light up , indicating the microphone signal transmission is in normal operation.

7.Switch off the power switch when the microphone is not in use,meanwhile,remove the battery out of microphone if it is not in use for an extended period.

INSTALLATION OF THE RECEIVER

USED AS A STAND ALONE SYSTEM

1.Install an antenna perpendicularly to the antenna input jack ⑤ at the rear panel of the receiver，as shown in Fig. 1.

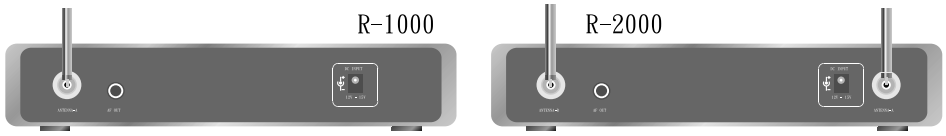


Fig. 1.

CONNECT

1.Connect the AF output of the receiver from unbalanced output jack ⑥ to input jack of the mixer by an output cable attached with "PHONE" plug，as shown in Fig. 2.

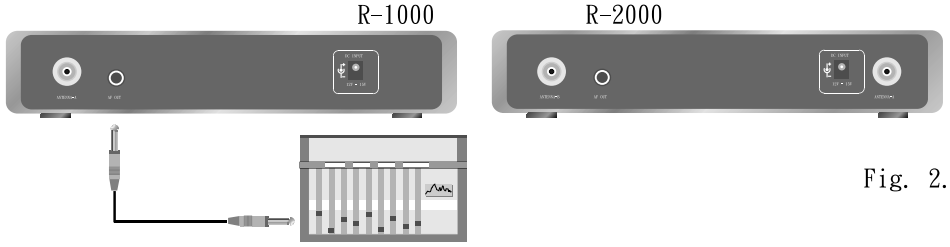


Fig. 2.

2.Connect a power adapter to the DC power supply input socket ⑦ then plug the adapter to an appropriate AC outlet with caution to the correct voltage under both AC outlet and adapter marked. as shown in Fig. 3.

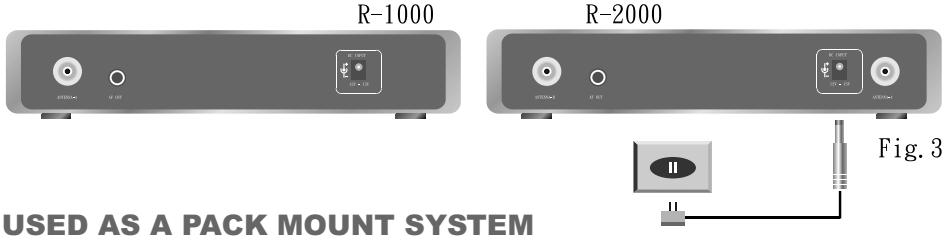


Fig. 3

USED AS A PACK MOUNT SYSTEM

1.Mount the two connected R-1000 or R-2000 into an optional MP-60 panel，as shown in Fig. 4.

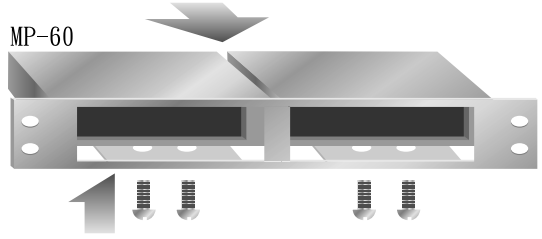


Fig. 4

OPERATION INSTRUCTIONS OF OVERALL SYSTEM

SYSTEM COMBINATION

The overall system is a combination of a receiver and a wireless microphone. The combination for R-1000 or R-2000 could be selected as the following.

BASIC COMBINATION SYSTEM

R-1000 / R-2000 matches Q-1000，M-1000

USED AS MULTI-CHANNEL SYSTEM

When two or more wireless microphone are used，carriers must be different from the others in order to avoid mutual interference.

INSTALLATION OF THE SYSTEM

To make sure that the system performs correctly，please place the receiver at least 1 meter above the ground and at least 1 meter away from concrete walls or metal surfaces to prevent any reflection. The microphone should also be at least 1 meter away from the receiving antenna，as shown in Fig. 5.

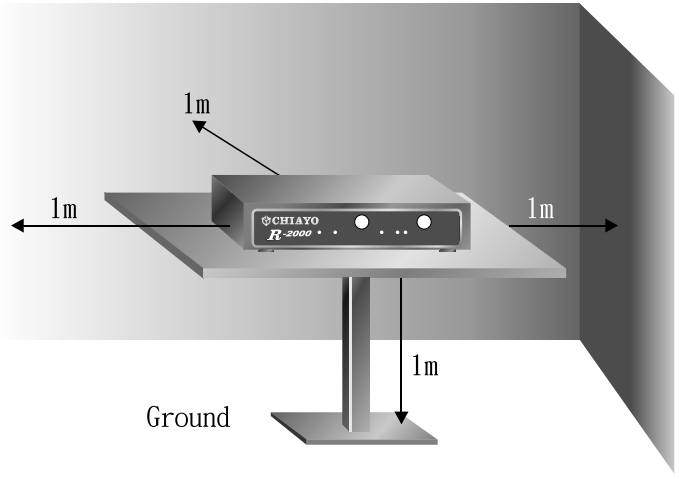


Fig. 5.

OPERATION OF THE OVERALL SYSTEM

1. Turn volume control of the receiver as well as the mixer or the equipment to be used to the minimum，then switch on the receiver. The pilot LED 2 of the receiver will light up，and the AF signal indicator 4 will give a flash.

2. When a transmitter is switched on，RF signal indicator LED 3 of the receiver will light up indicating that the system is in normal operation. When indicator LED 3 of the receiver does not light up，indicating that the system does not match，both of the transmitter and the receiver should be checked whether they are in normal operation or not.

3. When a matching transmitter is switched on at distance within 15 meters away from a receiver，RF signal indicator LED 3 of the receiver does not light up，indicating that the system is matched but is in abnormal operation.

4. When sound is applied to the microphone while the system is switched on and is in normal operation，AF signal indicator 4 will light up accordingly，indicating that audio output of the system is in normal operation.

5. AF output level can be adjusted by volume adjustor 1 to match the maximum input level of the equipment to be used.

6. Audio output level must be adjusted to match a proper input level of the mixer or the equipment to be used. If output of the receiver is adjusted too high and volume control of the mixer is turned too low, it will cause the mixer output to be distorted. Conversely，the mixer output will not be distorted，but a poor S/N ratio will be caused.

7. After proper adjusting the output volume of the system，adjust volume control of the mixer or the equipment to be used to get a desired sound level output of the microphone.

8. Power supply voltage can vary from 12-15V DC。

CAUTION

1.Since use of an antenna extremely influences efficiency of the wireless microphone system, proper selection and set-up are necessary. The shorter the better is the most important rule to keep distance between the microphone and the receiiving antenna.

2.In case of multi-channel operation, proper selection of non-interference channels is of utmost importance.

3.Remove batteries out of the microphone if the unit is not to be used for a long period.

4.Tuned circuits and variable resistors & capacitors inside the transmitter and the receiver have been precisely adjusted, please do not make any adjustment. Otherwise, normal operation will be interrupted.