

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 receiving 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.

CALIFONE® R-1000/R-2000

WIRELESS MICROPHONE SYSTEM

Operating Manual

TÜV
CERT
DIN EN ISO 9001
Certificate NO:09 100 89126



GENERAL OUTLINE

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

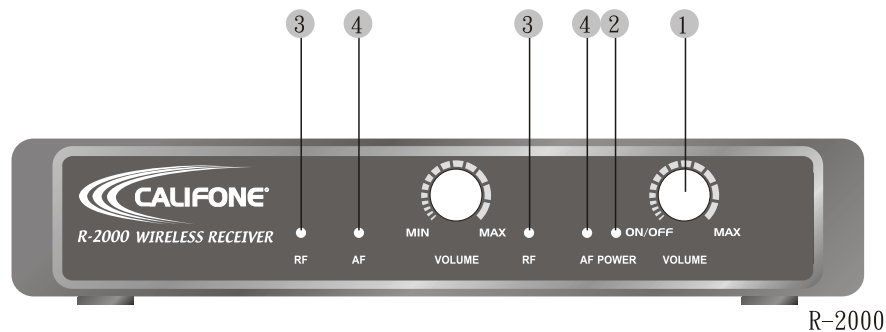
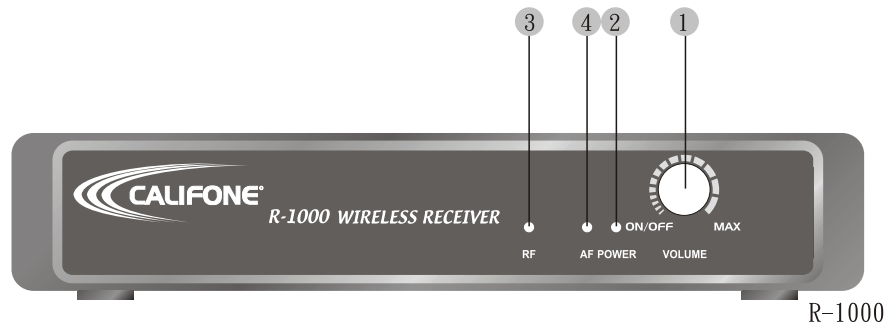
COMPOSITION

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



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.

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.

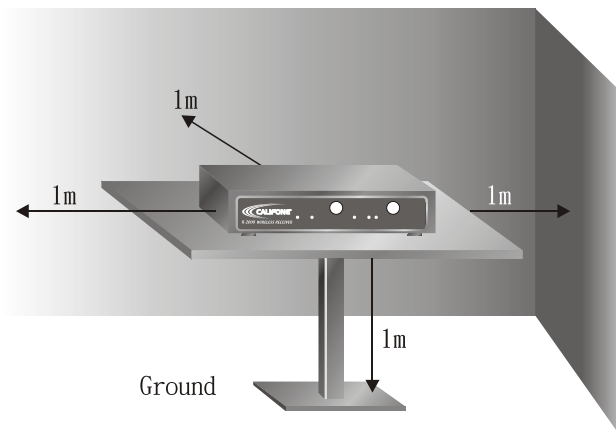
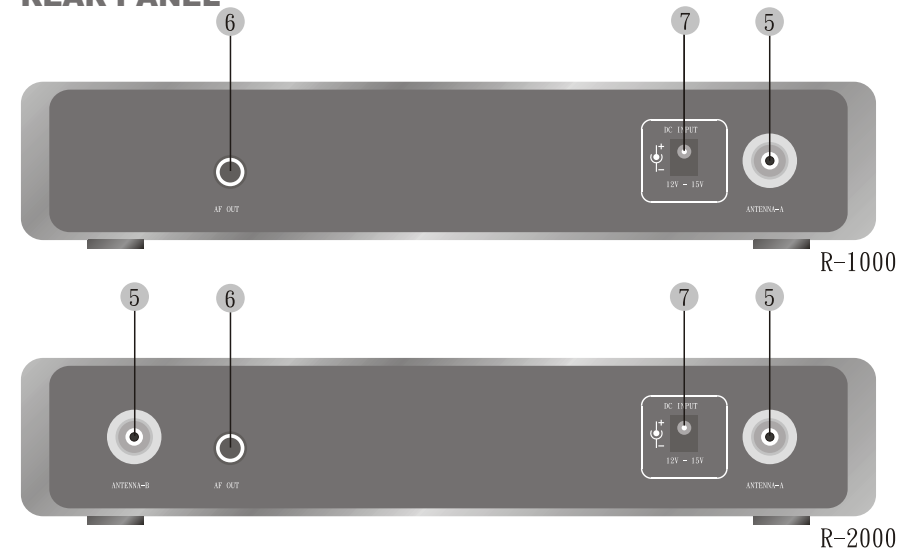


Fig. 5.

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

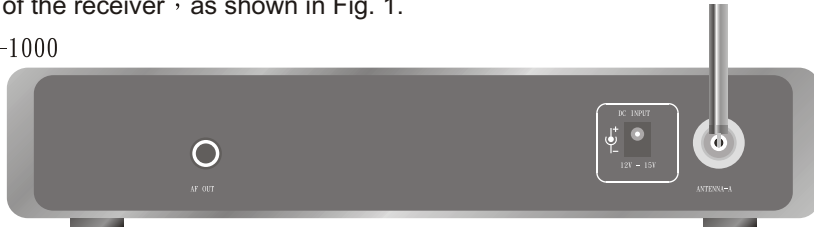
7. DC POWER SUPPLY INPUT SOCKET

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

**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.

R-1000



R-2000



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.

R-1000



R-2000

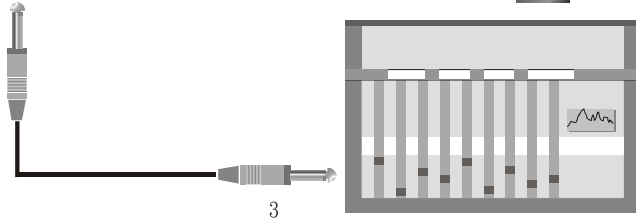


Fig. 2.

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.

R-1000



R-2000

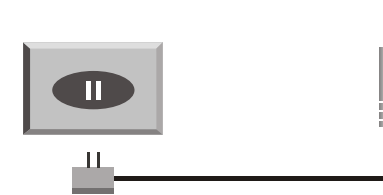


Fig. 3.

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.

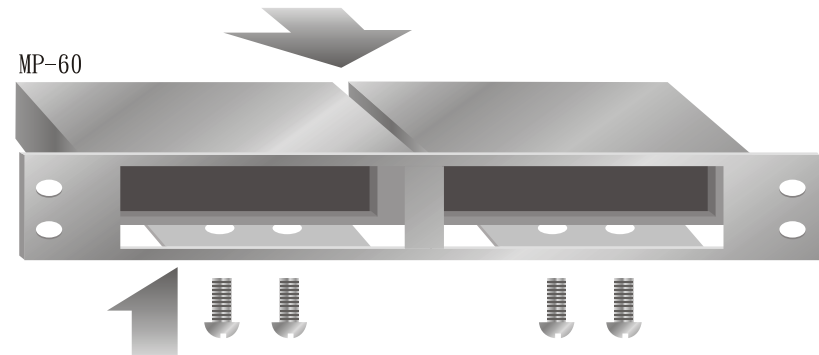


Fig. 4.