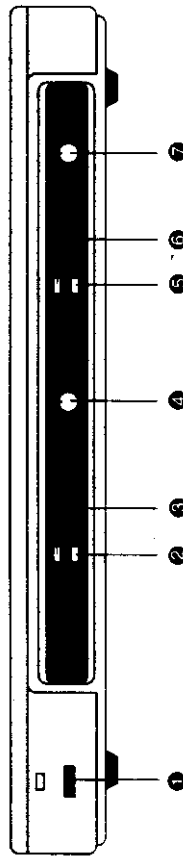


FRONT PANEL



REAR PANEL



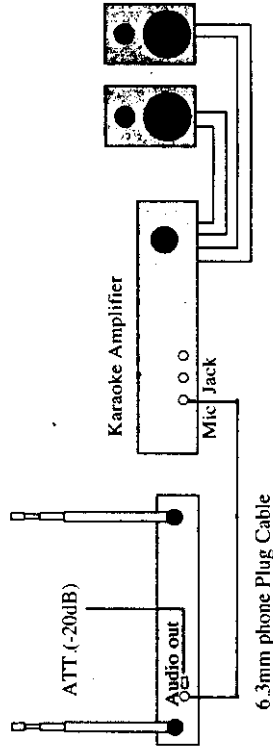
1. Power switch.
2. CH 1 RF Signal Lamp.
3. CH 1 AF Signal Lamp.
4. CH 1 Level Control.
5. CH 2 RF Signal Lamp.
6. CH 2 AF Signal Lamp.
7. CH 2 Level Control.
8. CH 2 Antenna Input Terminal.
9. AF Mixing Out.
10. Attenuator (0dB, -20dB, -60dB)
11. AC Power Cord.
12. CH 1 Antenna Input Terminal.

**OPERATION ON THE RECEIVER:**

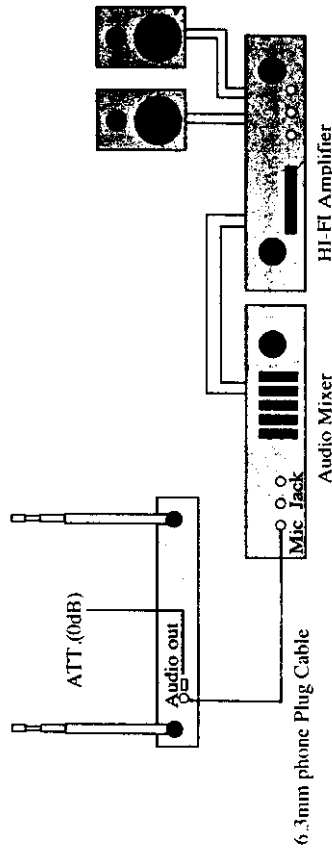
Connect the phone plug cable, one end is to the jack of Audio out, another end is to the Mic mixing jack of Karaoke Amplifier, audio mixer etc.  
 Please draw the telescopic antenna A & B to the longest & vertical extent to enhance sensitivity for receiving microphone signal.  
 Set the output gain selector (attenuator), it is based on your amplification level of mixing equipments. 0dB, -20dB, -60dB for matching different audio level.  
 Press the power switch on, the indicator lamp will light.  
 When the mic is transmitting the signal, the RF signal red lamp of receiver will light to indicate the mic is operating.  
 Adjust the level control of the receiver, check the AF signal green LED lamp whether it lights strongly or weakly.  
 When the receiver is not used, revolving the volume knob to minimum end and turn the power off.

**CONNECTING DIAGRAM**

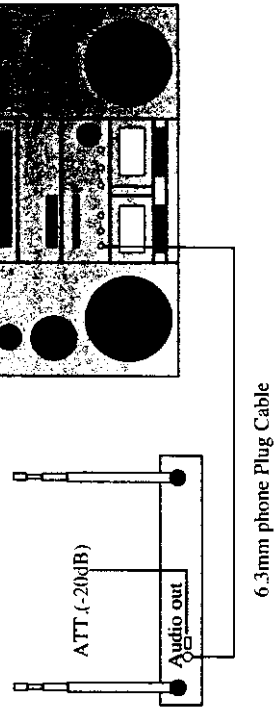
CASE 1



CASE 2



CASE 3



\* When you are connecting receiver to tape recorder for recording, please set ATT. (attenuator) at -60dB Position.

**FEATURES**

- 1. High sensitivity cardioid capsule for your professional use.
- 2. Special noise absorption parts inside the barrels, which eliminate switch shock noise and handling noise.
- 3. Frequency with quartz lock controlled.
- 4. Easy-opening battery compartment for quick battery replacement. Powered by one 9V battery.
- 5. Low battery LED indicator.

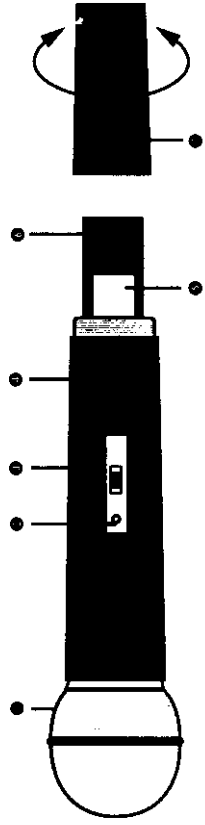
**SPECIFICATION**

- RF Power Output : 30mW. (MAX.)
- Spurious Emissions : 40 dB below carrier minimum;
- : 50 dB, typical.
- Antenna : Built in
- Pre-Emphasis : 50u. S.
- Microphone Element : Unidirectional dynamic microphone.
- Battery : Standard 9V battery.
- Current Consumption : About 25mA.
- Battery life : Over 8 Hours continuous operation.
- Dimensions : 52(D) X 247(L.) m/m
- Weight : 227g.

**OPERATION**

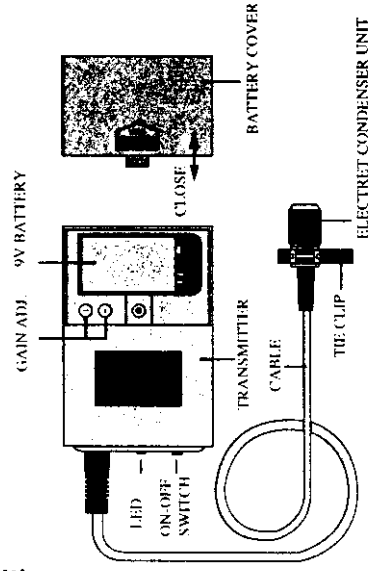
- 1. Open the battery holder in anticlockwise direction.
- 2. Insert a 9V battery into the battery holder according to polarity(+) and (-) indication marked on the battery house.
- 3. Fit battery cover back in clockwise direction.
- 4. Push the power switch to first step, the LED indicator will flash to indicate the carrier frequency is sending out. Push the power switch to second step, the microphone is operating.
- 5. Push the power button to "OFF" when mic is not used. And take out the battery in microphone if not used for a long time, this will prevent any damage a defective "leaking" battery may cause.
- 6. Switch the power "ON", the LED indicator is flashing that means power supply is normal. If the LED indicator is still on light that means the battery is in need of replacement. If no flashing, it must be no battery in there or battery is not properly inserted.

**HAND HELD MICROPHONE**



- 1. Screen Head
- 2. Low Battery Led Indicator
- 3. ON/STB/OFF Switch
- 4. Mic Housing
- 5. Battery Housing
- 6. 9V Battery
- 7. Battery Cover

**TIE CLIP MICROPHONE**



**NOTE:**

THE WIRELESS HANDHELD OR LAVALIER MICROPHONE, TWO OR ABOVE WIRELESS MICROPHONES WHICH TRANSMIT AT THE SAME FREQUENCY CAN NOT BE USED AT THE SAME TIME & AREA.

**TROUBLE SHOOTING:**

- Please take the time to read this manual, before asking after service. And checking follow points. If it also have unusual things, please contact with purchasing store. We are sincerely to serve for you.
- 1. Before connecting and operating the unit, check the voltage setting conforms to the voltage available in your area.
  - 2. If the LED indicator is still on light that means power supply is in need of replacement. Please replace one new 9V battery and be sure the polarity (+)(-) of battery is connected properly.
  - 3. Signal dropouts and noise may be suddenly encountered by interruption from outside, too long distance between microphone and receiver or battery in low power. In such a case, adjust receiver antenna or change new battery.
  - 4. Do not drop the microphone on a hard concrete floor, nor strike the microphone head front with a fist or fingers, nor blow a breath strongly into the microphone head front.
  - 5. Take out the battery in microphone if not used for a long time. This will prevent any damage a defective "leaking" battery may cause.

**FEATURES**

1. Operating on VHF high band frequency within 160 to 250 MHz with crystal controlled.
2. Designed with two sets of different frequency tuners in one unit which can be used two microphones simultaneously. (Dual channel)
3. The receiver has a slim plastic case and beautiful front panel finished in a black. (Dark grey) It is designed in EIA standard case.
4. Audio frequency response is 40Hz to 20KHz S/N ratio is more than 100dB, and T.H.D. is less than 0.5 percent.
5. Effective range between microphone and receiver is 30 meters.
6. Audio output is adjustable by volume control.

**SPECIFICATION****OVERALL SYSTEM**

- \* Carrier Frequency Range : 160 to 250MHz, VHF high band.
- \* Frequency Stability :  $\pm 0.005\%$  with quartz controlled.
- \* Modulation Mode : FM.
- \* Maximum Deviation Range :  $\pm 15\text{KHz}$ , with limiting compressor.
- \* AF Response : 40Hz to 20KHz.
- \* S/N Ratio : Better than 100 dB (A).
- \* T.H.D. : Less than 0.5%
- \* Audio Dynamic Range : Over 100 dB. Over 118 dB with limiting.
- \* Service Areas : 30 meters.
- \* Temperature Range :  $-10^{\circ}\text{C}$  TO  $55^{\circ}\text{C}$

**RECEIVER**

- \* Reception System : Fixed frequency by Quartz controlled.
- \* Receiving Sensitivity : 12 dB/uV, for 60 dB S/N ratio.
- \* S/N Ratio : Over 108 dB, at 15 KHz deviation and 60 dB/u V antenna input.
- \* De-emphasis : 50u S.
- \* Image and Spurious Rejection : 80 dB minimum.
- \* Audio Output Level : Unbalanced: 0-0.5V, at 15KHz deviation and 5K  $\Omega$  load.
- \* Output Connector : Unbalanced; 6.3 $\emptyset$  m/m Phone jack type.
- \* Power Supply : AC110V or AC220V or DC 12V.
- \* Dimensions : 420(L) X 180(W) 45(H)mm.