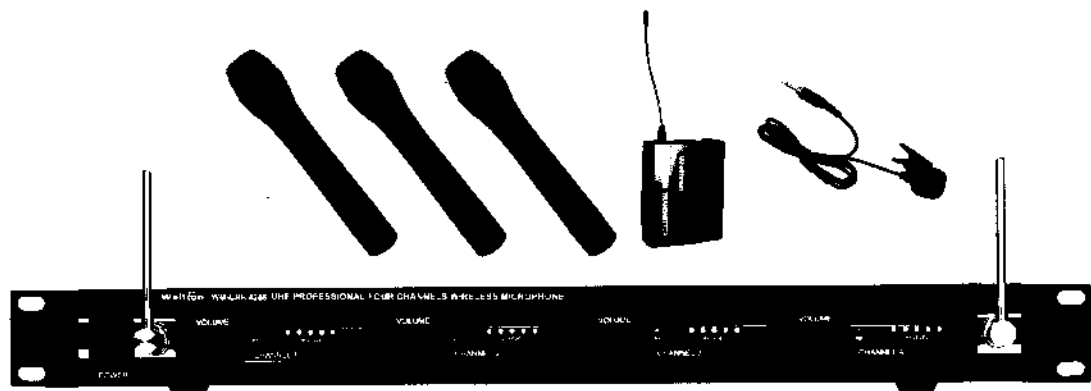


Weltron®

WM-UHF-4288

UHF WIRELESS MICROPHONE OPERATION MANUAL



BEFORE ATTEMPTING TO CONNECT, OPERATE OR ADJUST THIS PRODUCT, PLEASE READ THIS MANUAL COMPLETELY.

We strongly suggest that you carefully study these instructions before attempting to operate the system, and that you note all the listed precautions.

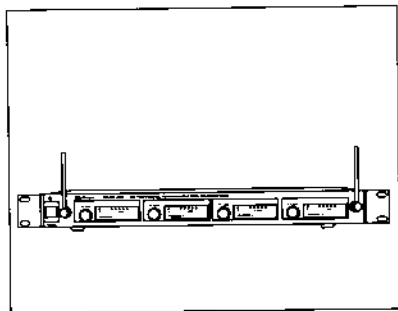
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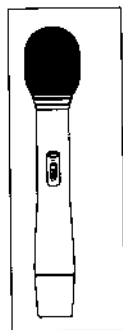
PRECAUTIONS

- Avoid exposure of the system to rain or moisture.
- No user-serviceable parts inside the system. Refer all servicing to a qualified technician only.
- Handle the microphone carefully, dropping or other shocks may cause failure.
- Avoid using the system where it may be subjected to heat, such as in direct sunlight, near radiators or other heat sources.
- Should any liquid be spilled on the system, stop using it immediately. It may be possible to dry the system, but you should have it checked by a qualified technician before using it again.
- Take care with the mains power adapter and lead. If damaged in any way, do not use the system, and refer to a qualified technician for repair.
- Only use the system with the supplied components, do not attempt to use with any other mains power supply adapter or microphone.
- If the microphone is not going to be used for a time, remove the battery to prevent leakage. In the event of electrolyte leakage inside the battery compartment, carefully remove using a damp cloth. Take care not to get battery electrolyte in contact with your skin, however, if it does, wash your hands under a running tap. If electrolyte comes into contact with your eyes, seek medical advice immediately.
- Only replace the battery with the same or an equivalent type.
- Please dispose of old batteries in an environmentally friendly manner in accordance with the relevant legislation.
- Do not use any solvents to clean any part of the radio microphone system.

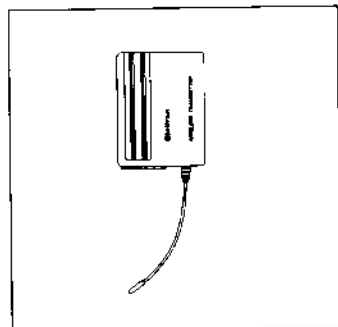
SYSTEM COMPONENTS AND FITTINGS



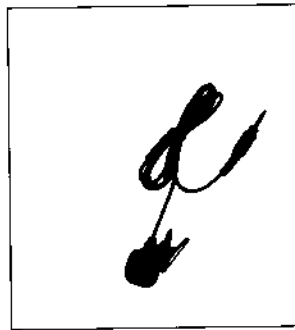
Four Channel Receiver



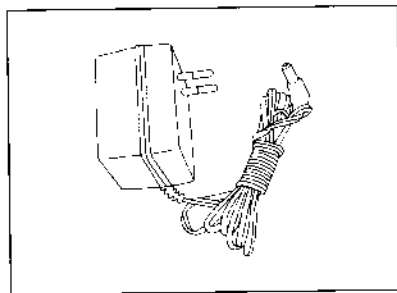
Handheld Transmitter



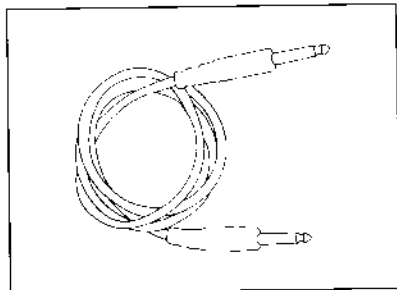
Bodypack Transmitter



Lavalier Mic

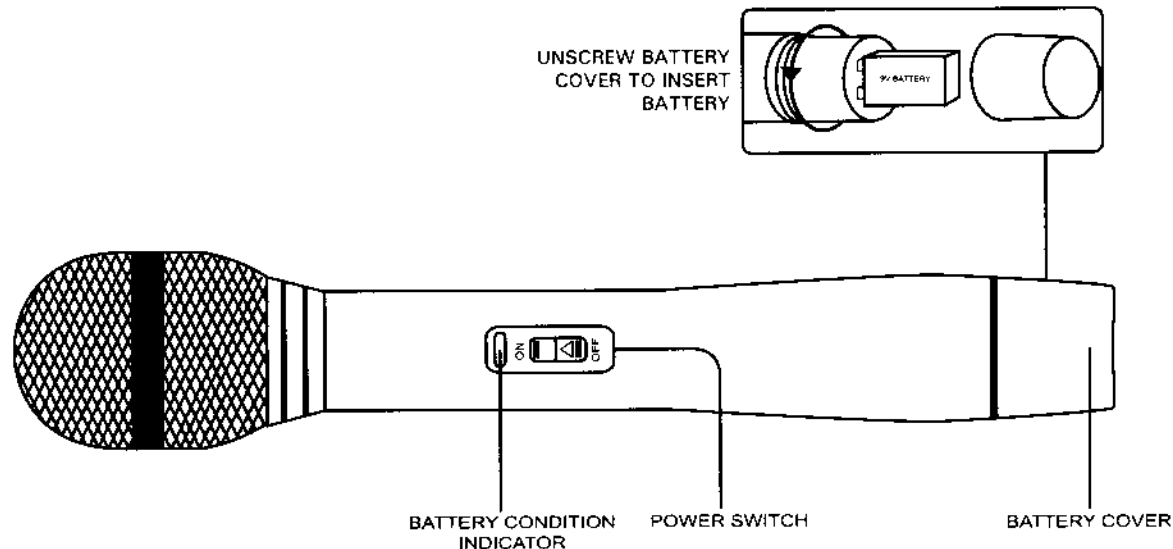


AC adaptor



Audio Cable

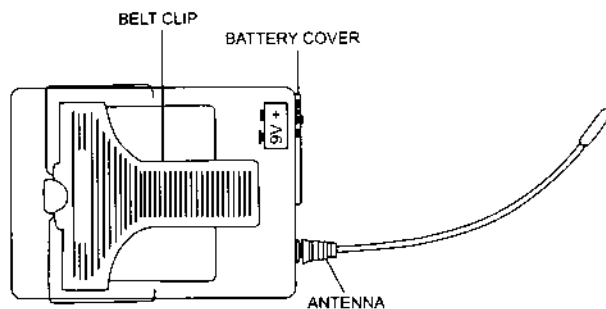
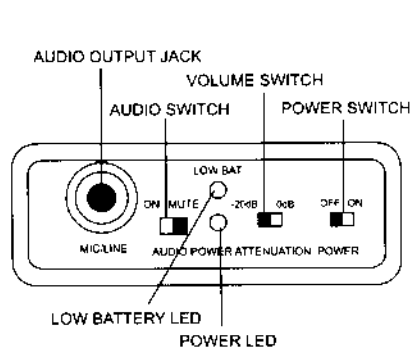
HAND-HELD MICROPHONE



OPERATION

- Unscrew the battery cover at the end of the microphone. Install the provided 9 volt battery, taking care to fit it with the correct polarity connected.
- Check the battery by switching the microphone ON. The red LED will come on for one second and then go OFF, this indicates correct operation. If the red LED stays ON or is dim, this indicates the battery is low and should be changed. If the red LED does not come on at all, it indicates the battery is dead, please change it right now.

BODYPACK TRANSMITTER

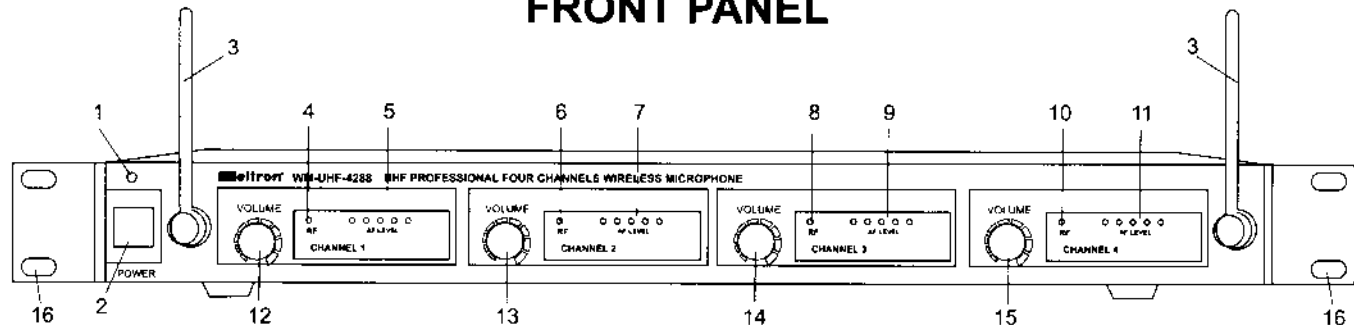


OPERATION

- Open the battery cover to install a 9V battery as per correct polarities. Put the power switch to ON position, the power indicator will be green to show normal working. If the LOW BAT indicator comes to red while the power indicator comes out from green, this indicates the voltage is not enough for operation, we must take another new battery for replacement, so it will work continuously.
- Before operation, please confirm that the frequency of transmitter should be same as the frequency of receiver. Plug the 3.5mm connector of headset mic to screw-lock socket of transmitter. Put the audio switch to ON position, speak to the mic head exactly but keep 2-3cm distance between mouth and mic head. When you close to amplifier, please put the audio switch to MUTE position to avoid humming.
- **ATTENUATION** is for volume adjustment. Put it to 0dB position to get normal volume output, or put it to -20dB position to reduce distortion and avoid humming.
- If the system will not be used for a long time, please switch off the transmitter to avoid power consumption.

RECEIVER

FRONT PANEL



- | | | |
|-------------------------|--------------------------|-------------------------|
| 1. Power Light | 7. CH-2 AF Light | 13. CH-2 Volume Control |
| 2. Power Switch | 8. CH-3 RF Signal Light | 14. CH-3 Volume Control |
| 3. Antenna | 9. CH-3 AF Light | 15. CH-4 Volume Control |
| 4. CH-1 RF Signal Light | 10. CH-4 RF Signal Light | 16. Rack Mounting |
| 5. CH-1 AF Light | 11. CH-4 AF Light | |
| 6. CH-2 RF Signal Light | 12. CH-1 Volume Control | |

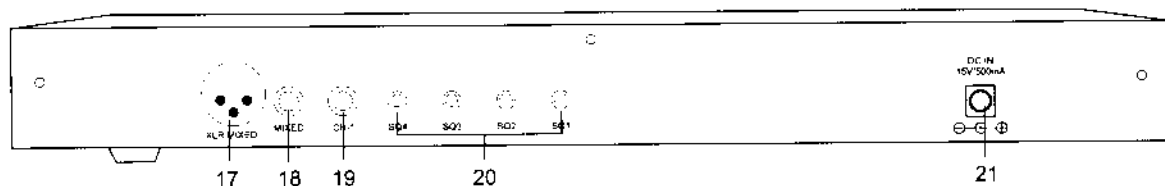
OPERATION

Fix the attached 2pcs antennas correctly. Switch on the power of receiver, the red indicator of power will come on to show it's working normally. Switch on the power of transmitter, the red indicator RF/channel1, RF/channel2, RF/channel3, RF/channel4 will come on to show the signal is strong or not when it's working. AF LEVEL green indicators are blinking to

show the audio level is high or low in using this wireless microphone system. Adjust the volume of the receiver/transmitter/amplifier according to request. Please switch off the receiver/transmitter/amplifier when this wireless microphone system is not being used.

RECEIVER

REAR PANEL



- 17. Balanced output jack
- 18. Unbalanced output jack
- 19. CH-1 Output jack
- 20. Squelch adjustor
- 21. DC Power in

OPERATION

SQUELCH

The squelch control on the rear of the receiver is preset well at the factory, if you must use the system in an area with considerable RF interference and there is some noises from the receiver when your transmitter is off, you can adjust the squelch control, so the system will receive the signal from your transmitter only but squelch or eliminate the unwanted background RF noise. This adjustment can cause

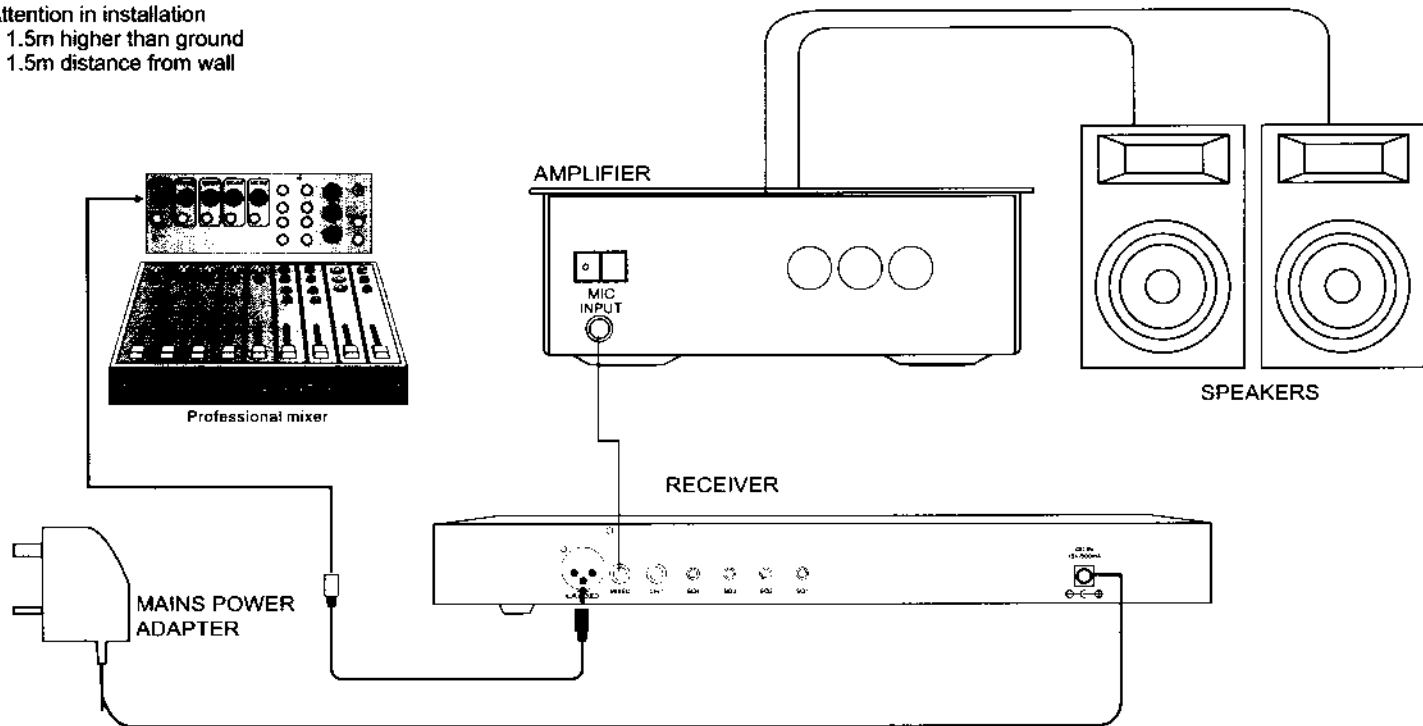
reduction in useable range of the wireless transmitter, so set the control to the lowest position that reliably mutes the unwanted RF signals.

Note that switching the microphone on and off can cause interference that will be heard if the microphone volume level of the amplifier system is still set high.

INSTALLATION

Using the supplied screened jack-to-jack lead, connect from the MIXED jack socket to the "MIC IN" / "LINE IN" socket on amplifier. Another way, using optional lead of balanced output, connect from "XLR MIXED" socket on receiver to professional mixer. Plug the mains power adaptor from "DC 15V" jack to a suitable mains power socket.

Attention in installation
1.5m higher than ground
1.5m distance from wall



TROUBLE SHOOTING

Please read and check the following points before asking for service.

The wireless microphone fails to work:

- Check the microphone battery by switching the microphone ON - the red LED battery condition indicator should come on for a second and then go off. If the red LED stays on or is dim, replace the battery. If the red LED fails to come on, check the battery polarity or change battery.
- Check the POWER indicator on the receiver unit is ON - if not, check the mains power adapter is firmly plugged into a working mains socket.
- Check the amplifier system is ON and the microphone controls set correctly.
- Check the radio microphone jack lead is firmly connected into the output socket on the rear panel of the receiver unit, and into the MIC input socket on your amplifier.

The working range is limited:

- Check the microphone battery condition (see above)
- Check the aerials are fully extended. Adjust the position of the aerials to achieve the best reception.

Feedback (howl-round) is heard:

- Check that the microphone is not being used too close to, or in front of, the loudspeakers.
- Check the settings of the microphone controls on the amplifier, adjust volume and tone to get the best sound without any trace of feedback.

SPECIFICATIONS

A. Overall system

- | | |
|-----------------------------|---|
| 1. Oscillation mode: | Quartz controlled |
| 2. Carrier Frequency Range: | UHF690-960MHz |
| 3. Stability: | +/-0.005% |
| 4. Max Deviation: | +/-56KHz with level limiting |
| 5. Dynamic Range: | >110dB |
| 6. S/N Ratio: | >100dB |
| 7. T. H. D.: | <0.5dB |
| 8. Squelch: | "Pilotone & Noiselock" dual squelch circuit |
| 9. Frequency Response: | 60Hz-18KHz |

B. Revolver

- | | |
|---------------------|---------------------------------------|
| 1. Sensitivity: | 6dB μ V at S/N >70dB |
| 2. Image Rejection: | >60dB |
| 3. Stability: | >80dB |
| 4. Audio output: | -12db/600ohms unbalanced and balanced |
| 5. Power supply: | 15VDC/0.5A |
| 6. Dimensions(m/m): | 420x208x45mm |

C. Wireless microphone

- | | |
|------------------|--|
| 1. Mike capsule: | Dynamic microphone(Handheld mic)
Condenser Microphone(Headset mic/clip-on mic) |
| 2. Antenna: | Built-in housing(Handheld transmitter)
Built-out housing(Belt pack transmitter) |
| 3. RF Output : | <10mW |
| 4. Spurious: | <-40dBC |
| 5. Battery: | one 9V battery |