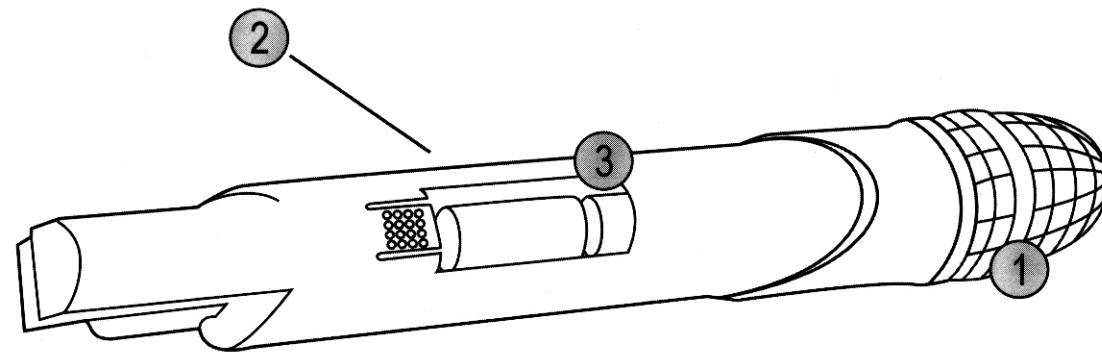


## Microphone Description and Controls



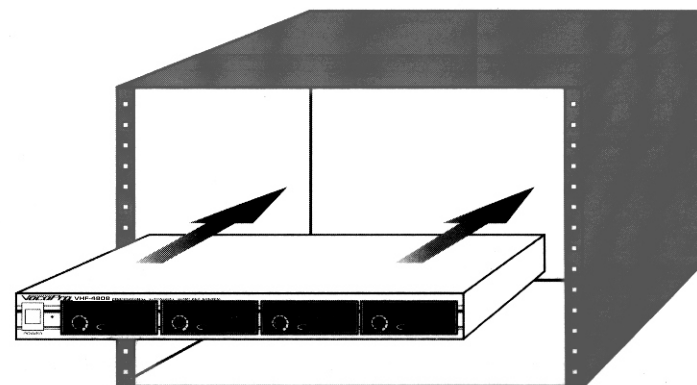
1. **GRILL:** Protects the microphone cartridge and helps reduce "breathy" and wind noise pick-up.
2. **POWER switch (Not Shown):** Used to turn the microphone ON/OFF or put it in STANDBY mode.
3. **BATTERY COMPARTMENT LID:** Removable lid hides and protects the microphone battery.

## Mounting

To install the VHF-4808 to a 19" rack case, complete the steps below.

1. Attach mounting brackets to the VHF-4808 via the supplied mounting screws.
2. Align the VHF-4808 with desired space in rack and slide in slowly, rear panel first **NOTE:** Depending on your rack case design, it may be necessary to allow for sufficient space for the antennas.

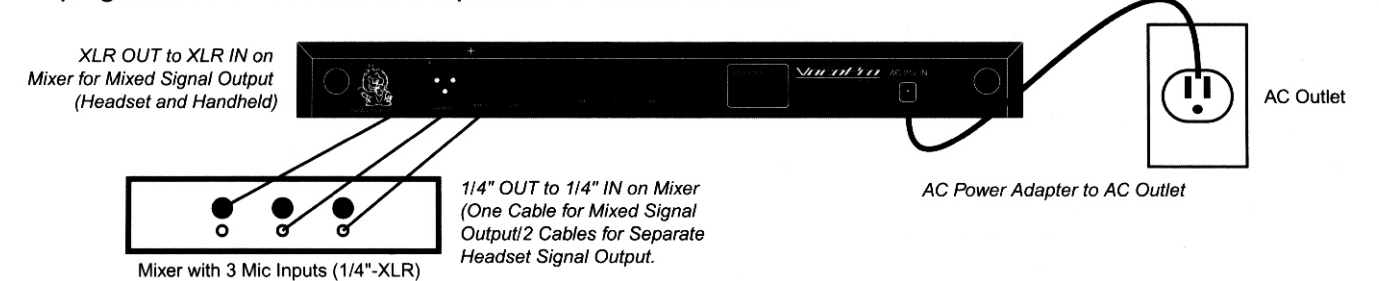
3. While aligned, use rack case screws to stabilize the VHF-4808 in its space (See diagram right).



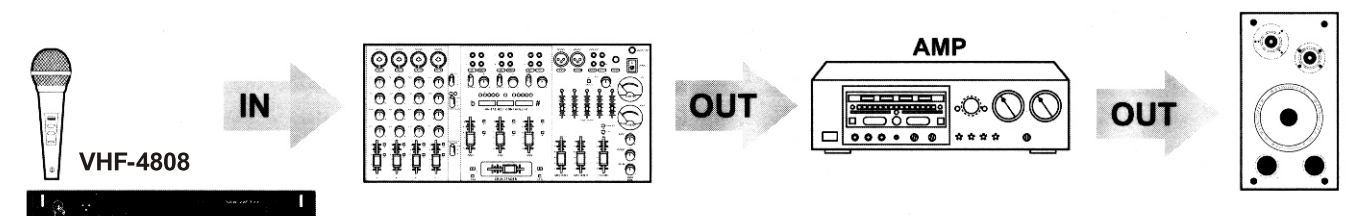
## Getting Connected

### System Connection

1. Connect the AC POWER ADAPTER to the VHF-4808 receiver's POWER INPUT connector; then plug the ADAPTER into a compatible AC electrical outlet.



2. Connect the VHF-4808's receiver to a sound system, mixer or amplifier's microphone input(s) with either one 1/4" output jack for a mixed channel output (3 handheld), or both 1/4" output jacks for separate outputs (3 handheld/1 headset).



### Separated or Mixed Output

Deciding on separate or mixed output is a matter of necessity. If there is going to be no dry announcements to make, or no KJ/DJ mic requirements, you would only need to go mixed, as the headset mic requires a second mic jack to separate itself from the mix.

	PROS	CONS
<b>Mixed Channel Output be channel</b>	Uses only 1 mic input on an external Mixer/Amplifier	External mic adjustments cannot be applied to just one mic
<b>Separate Channel Output</b>	External mic adjustments can be applied on one or both mic channels	Uses 2 mic inputs on an external Mixer/Amplifier

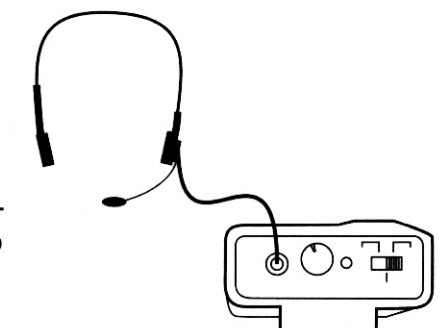
### Antenna Connection

1. Insert the ANTENNA's BNC connector into the BNC jack and twist counter-clockwise till it locks into place.



### Headset Connection

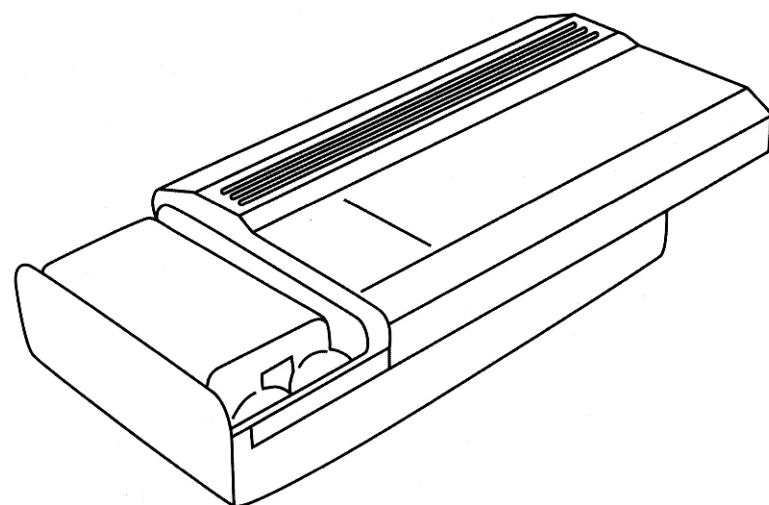
1. Connect the 1/8" mini-plug from the headset to the 1/8" mini-jack on the headset receiver.



## Maintenance Procedures

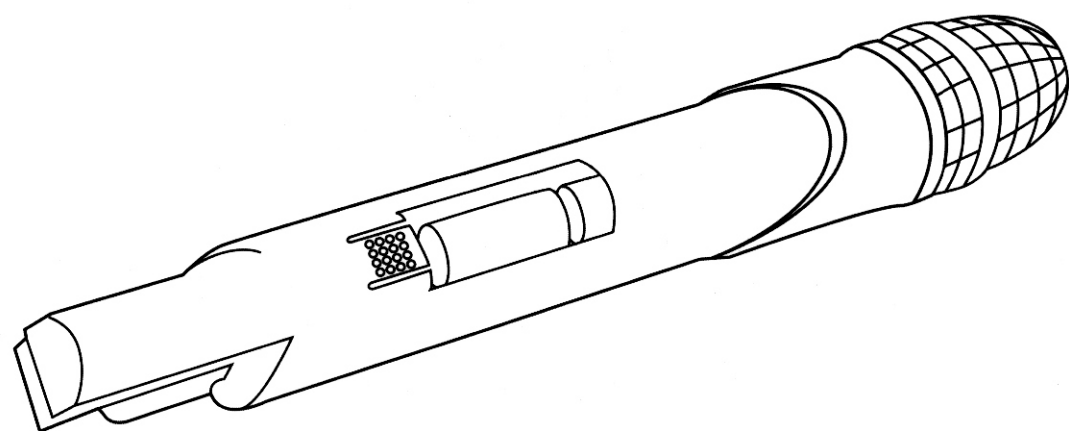
### Headset Receiver Battery Installation

1. Remove the BATTERY COMPARTMENT LID on the headset receiver by gently pushing down in an outward manner.
2. Insert 1 fresh 9V alkaline battery.
3. Replace the BATTERY COMPARTMENT LID by pushing gently on the lid till it "clicks" into place.



### Handheld Microphone Battery Installation

1. Slide the microphone's BATTERY COMPARTMENT LID located at the bottom of the microphone.
2. Insert 2 fresh 1.5 volt alkaline BATTERIES, being sure to observe proper battery polarity (+/-).
3. Close the BATTERY COMPARTMENT LID.

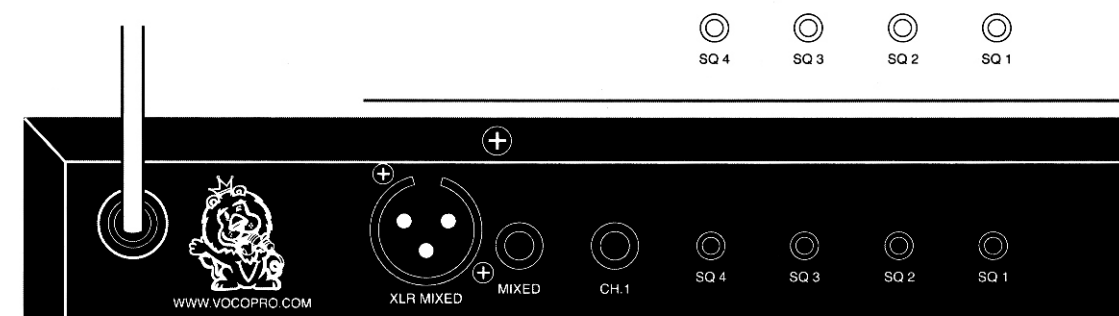


## Operations

1. Press the POWER button on the VHF-4808 receiver's front panel. The power LED on the receiver will glow BLUE.
2. Adjust the receiver's VOLUME controls to approximately 50%.
3. Switch the microphone's POWER BUTTONS to the ON positions.
4. Talk or sing into the microphones. During normal operation the RF signal LED's will light GREEN when a microphone is being used.
5. Adjust the receiver's VOLUME controls until the output levels are balanced with each other and other possible source output i.e. CD+G tracks. In most cases, the VOLUME controls should be set to +/-75%.
6. If noise is present in the microphone output, squelch adjustments should be made at this time. (See below for more information on squelch circuitry).

### Individual Manual Squelch Controls

Squelch circuits analyze RF signal strength. When a wireless system is used in a noisy RF environments, conventional circuits may "open" unexpectedly, sending loud bursts of noise through the receiver when the transmitter's signal is weak or turned off. The VHF-4808 uses a noise squelch circuit that analyzes signal quality with the signal strength. When the transmitter signal is strong, the system's noise level is low and the receiver sends audio through. When the transmitter signal is weak or absent, the system's noise level is high and the squelch circuit will mute the receiver. This virtually eliminates the possibility of annoying bursts of noise coming through your receiver.



### Receiver Volume Adjustment

The VOLUME controls on the front panel of the VHF-4808 receiver can be adjusted to set the wireless system output levels as you desire. After making any musical balancing adjustments, adjust the receiver volume control until the output reaches the desired level. Rotate the volume control clockwise to increase output. Rotate it counterclockwise to decrease output.

