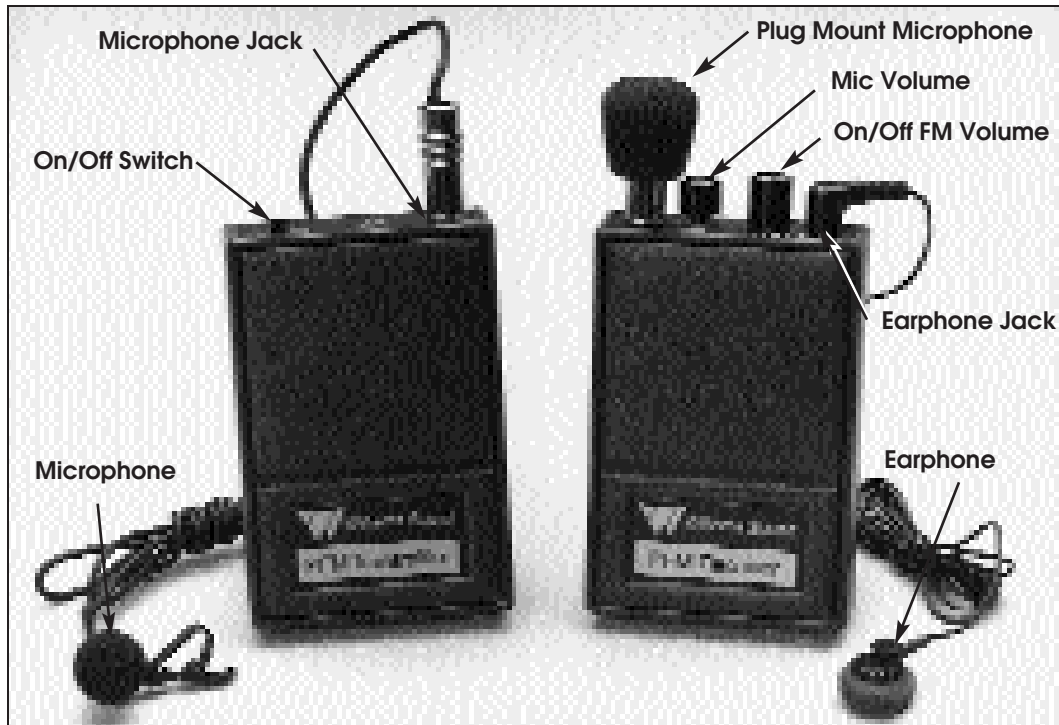


Personal FM System 100 and 200

Operating Instructions



FM Transmitter Model T16-72E6
shown with MIC 047 Microphone

FM Receiver Model R16-72E6
shown with MIC 014 Microphone
and EAR 013 Earphone

Introduction:

The Williams Personal FM can be thought of as a wireless microphone for your ears. It has two principal parts, the Transmitter and the Receiver. Using the Personal FM is like operating your own miniature radio station. The microphone picks up the sounds you want to hear and the transmitter broadcasts them over an FM radio signal. The receiver and earphone are used to pick up the broadcast up to 100 feet away.

Operating Instructions:

(1) Charge the Batteries:

Plug the charger cord into the "MIC/CHARGE" jack on top of the Transmitter.

Plug the second charger cord into the "EAR/CHG" jack on top of the Receiver.

Then plug the chargers into a wall outlet and charge for 12 hours. Make sure the transmitter and Receiver are turned off while charging. The charge indicator light on the chargers should be lit while the Transmitter and Receiver are charging. It is okay to leave the Transmitter or Receiver charging for extended periods of time. A fully charged battery will provide about 10 hours of continuous use in the Transmitter and about 15 hours of use in the Receiver. The batteries do not have to be removed for charging.

(2) Transmitter Operation:

Plug the microphone cord into the "Mic" jack on top of the Transmitter. Place the Transmitter in the belt clip case provided. Turn the power switch on top of the Transmitter to "On." Clip the microphone onto a collar, lapel, or tie. It should be as close to the speaker's mouth as is practical. The transmitter can be placed in a pants pocket, or clipped onto a belt or waistband. Make sure the Transmitter is turned OFF when not in use. Plan on charging the Transmitter every night to insure a full charge the following day.

NOTE: The microphone cord is the transmitting antenna. Do not bunch up the cord, wrap it around the transmitter, or place the transmitter in a shirt pocket. The cord should hang as straight as possible.

(3) Receiver Operation:

Model R16-72 (System 200):

Receiver model R16-72 has two volume control knobs, a microphone input jack, and an earphone output jack. Insert the small Plug Mount Microphone (MIC 014) into the "Mic" jack on top of the Receiver. Next, plug the earphone or headphone into the "Ear" jack on top of the Receiver. Place the Receiver in the belt clip case provided. Turn the power on by rotating the taller "FM" volume control on top of the Receiver. Place the earphone in your ear. The Receiver can be placed in a pants pocket, or clipped onto a belt, harness, or waistband. Make sure the Receiver is turned OFF when not in use. Plan on charging the Receiver every night to insure a full charge the following day.

NOTE: The earphone cord is the receiving antenna. Do not bunch up the cord, wrap it around the receiver, or place the receiver in a shirt pocket. The cord should hang as straight as possible.

Adjusting the volume controls:

Adjust the receiver volume control to a comfortable listening level. You should be able to hear someone speaking into the Transmitter microphone. Now adjust the shorter "Mic" volume control until you can hear sounds picked up by the environmental microphone on top of the receiver. Adjust the two volume controls for a comfortable mix of FM and environmental sounds.

You will normally want to have the FM signal louder than the environmental Mic signal to avoid picking up extra background noise. If no environmental sounds are desired, turn the "Mic" control fully off. If you want to hear nearby conversation or your own voice, turn the "Mic" control up.

Model R7-72 (System 100):

Receiver Model R7-72 has a single, wheel-type volume control and an earphone output jack. Plug the earphone or headphone into the "Ear" jack on top of the Receiver. Place the Receiver in the belt clip case provided. Turn the power on by rotating the volume control on top of the Receiver. Place the earphone in your ear. The Receiver can be placed in a pants pocket, or clipped onto a belt, harness, or waistband. Make sure the Receiver is turned OFF when not in use. Plan on charging the Receiver every night to insure a full charge the following day.

NOTE: The earphone cord is the receiving antenna. Do not bunch up the cord, wrap it around the receiver, or place the receiver in a shirt pocket. The cord should hang as straight as possible.

Adjusting the volume controls:

Adjust the receiver volume control to a comfortable listening level. You should be able to hear someone speaking into the Transmitter microphone.

Using the Personal FM with a Hearing Aid:

If you have a hearing aid equipped with a Telecoil (T-Switch), you can use a Neckloop (NKL 003 - children's size or NKL 001 - adult's size) to magnetically couple the signal from the PFM Receiver into your hearing aid. The Neckloop plugs into the earphone jack of the receiver. Turn the switch to the "T" position on your hearing aid and adjust the volume control on the receiver to a comfortable level. If you have two hearing aids with telecoils, the signal will couple into both hearing aids.

Direct Audio Input Hearing Aids:

If your hearing aid has a direct audio input boot, you can obtain a cord from your hearing aid manufacturer to plug directly into the PFM receiver.

Applications:

The Personal FM is designed to provide hearing assistance when background noise or distance from the sound source make listening difficult. The microphone and transmitter are placed close to the desired sound source to help minimize background noise and to effectively eliminate the distance between the listener and the sound source.

Low-Amplification Fittings:

Classroom applications:

The PFM System can be used with headphones or earphones for Central Auditory Processing Disorders, Learning Disabilities, or Attention Deficit Disorders. The PFM System is used primarily to boost speech sounds above other background noises, making it easier for the listener to focus on what is being said. The optional Rugged Headphone (HED 012 - children's size and HED 014 - adult's size) are recommended for this application. The EAR 013 Single Mini Earphone or EAR 014 Dual Mini Earphone can also be used.

Mild to Moderate Hearing Loss:

Classroom applications, TV listening, riding in a car, one-on-one conversations:

The PFM System can be used with the Single or Dual Mini Earphone (EAR 013 or EAR 014) for moderate amplification fittings. The Button Receiver Earphone (EAR 012 WC) is also available for use with a snap-on custom earmold.

The PFM System is also suitable for temporary mild hearing loss due to otitis media. The Rugged Headphones or Surround Earphone (EAR 022) are recommended since they do not enter the ear canal.

Severe to Profound Hearing Loss:

Classroom applications, TV listening, riding in a car, one-on-one conversations:

For severe to profound hearing loss, the PERSONAL FM System should be used in conjunction with a hearing aid. A Neckloop can be used with hearing aids that have a telecoil. An adaptor cord can be used with hearings that have direct audio input.

In Case of Difficulty:

If the system does not appear to be functioning:

1. Make sure the batteries are fully charged in the Transmitter and Receiver.
2. Make sure the Microphone is plugged into the transmitter and the earphone is plugged into the receiver.
3. Contact your dealer for further help.

If you experience interference:

Interference can be signals from another radio service, excess hiss or buzzing noise, or a "blocking" of the signal. If this occurs, your PFM System can be changed to a new operating channel by your dealer.

Warranty:

See the enclosed Warranty Card for Warranty details. Be sure to fill out and mail the Warranty Card to register your serial number and warranty.