

# Personal PA<sup>®</sup> Monitor Receiver Model PPA R700

## Operating Instructions

### Introduction:

The R700 Monitor Receiver is designed for use with Williams Sound PERSONAL PA (PPA) FM Transmitters. The R700 allows a small group of people to listen to the FM broadcast from the PPA Transmitter in a cry room, nursery, or office area. It is perfect for applications where a remote speaker is needed and it is difficult to run wires.

### What's Included:

You should have the R700 Receiver, whip antenna, instructions, and a warranty card.

### Using the R700 Receiver:

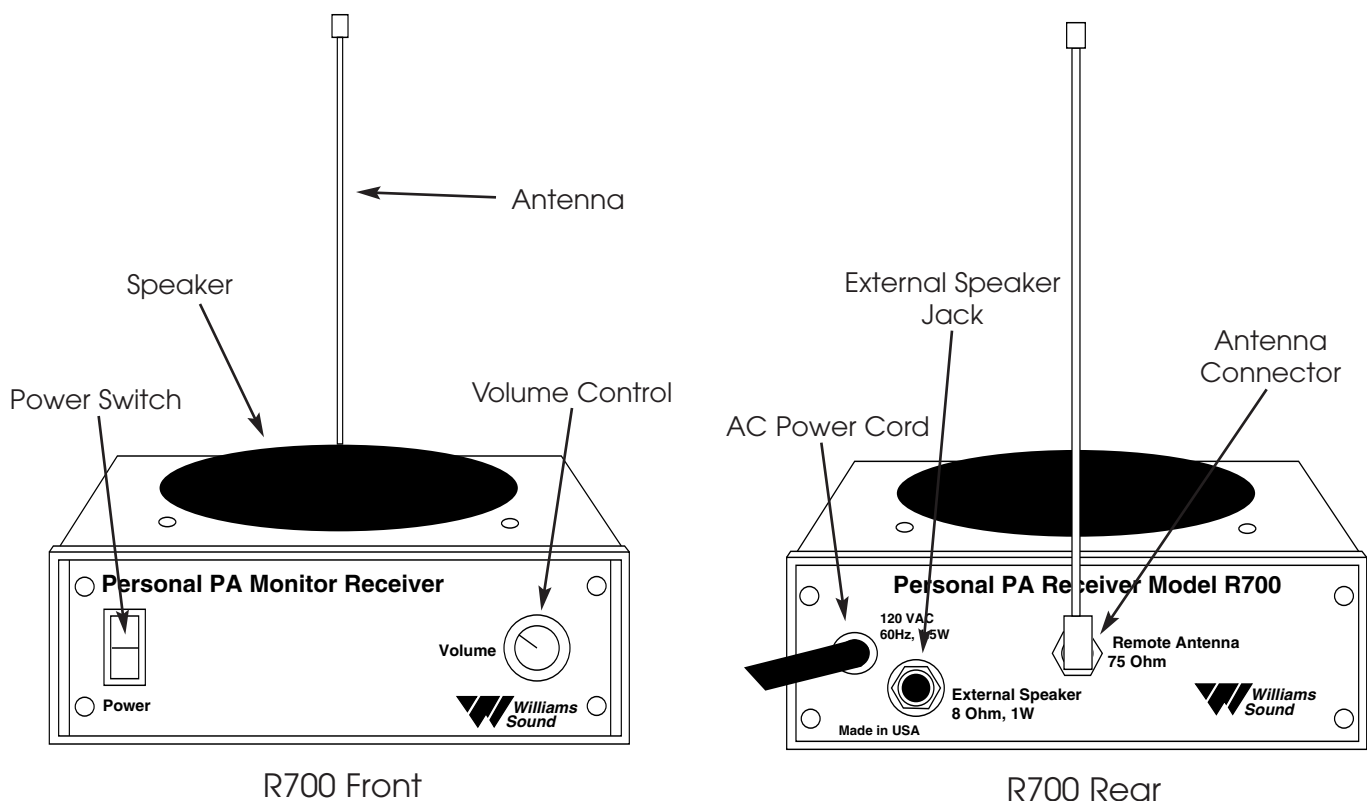
**Step 1.** Attach the antenna to the antenna connector on the rear panel of the R700. Hold the antenna upright as shown, while you tighten the connector firmly with your fingers. You do not have to use a wrench or pliers to tighten the antenna connector.

**Step 2.** Plug the AC power cord into an AC outlet. Turn the power switch on.

**Step 3.** Make sure your PPA Transmitter is on and has an active audio source. Adjust the volume control on the R700 until you hear the broadcast.

### Operating Distance:

The R700 will normally receive the FM broadcast up to 150 feet away from the Transmitter with the whip antenna. An optional Coaxial Antenna (ANT 006) is available, which will extend the operating distance up to 500 feet.



## External Speaker Jack:

The R700 has a 1/4" phone jack for use with an external speaker. Plugging an external speaker into the jack disables the built-in speaker. This jack can also be used to provide an input for a larger amplifier and speaker.

## R700 Operating Frequency (Channel):

The R700 is available pre-tuned to one of 10 different frequencies in the 72 - 76MHz Auditory Assistance Band. The last letter in the part number indicates the frequency. For example, a PPA R700E is set to Channel E, 72.9MHz. A sticker on the bottom of the PPA Transmitter and R700 Receiver indicates the frequency they are tuned to.

*The R700 frequency must match your Transmitter frequency.*

Your R700 was pre-tuned to the transmitter frequency specified when the receiver was ordered. If you experience interference on the channel you ordered or if your receiver frequency does not match your transmitter frequency, The R700 can be re-tuned to your Transmitter frequency by your Williams Sound Dealer.

## Warranty:

The R700 is warranted against defects in manufacture for a period of three years. See the enclosed warranty card for details.

## Specifications:

Dimensions and Weight:	6-1/2"W x 2-1/8"H x 6" D (16.5 cm x 6.3 m x 15.2 cm), 2.1 lbs. (.95 kg)
Color:	Black
Power:	120VAC, 50 or 60Hz, 1.5 Watts
FCC ID:	CNMR700
Operating Frequency:	Pre-Tuned, Adjustable, 72MHz - 76MHz
FM Deviation:	Wideband, 75kHz, 75µS de-emphasis
AFC Range:	± 300kHz
Sensitivity:	2µV at 12dB Sinad with squelch defeated, squelches at 10µV for min. 50dB S/N
Frequency Response:	100 to 10KHz, ± 3dB
Signal-to-Noise Ratio:	50dB at 10µV
Receive Antenna:	28" Whip (ANT 011), optional half-wave coax (ANT 006), 75Ω, "F" connector
Audio Output:	1W max. at 8Ω
Loudspeaker:	4 inch, 8Ω, wide-range
External Speaker Connector:	1/4" mono phone jack, disconnects built-in speaker when used
Controls:	On/Off rocker switch, rotary volume control, LED "on" indicator

