

## SoundPlus® 4-Ch Infrared Receiver **WIR RX22-4**

Instructions For Use & Care



### Safety Information Hearing Safety

#### ⚠ CAUTION!

This product is designed to amplify sounds to a high volume level which could potentially cause hearing damage if used improperly. To protect your hearing and the hearing of others:

1. Make sure the volume is turned down before putting on the earphone or headphone before adjusting the volume to a comfortable level.
2. Set the volume level at the minimum setting that you need to hear.
3. Do not allow children or other unauthorized persons to have access to this product.

### Battery Safety & Disposal

#### ⚠ CAUTION!

Do not attempt to recharge disposable batteries, which may explode, release dangerous chemicals, cause burns, or other serious harm to the user or product.

### Medical Device Safety

#### ⚠ CAUTION!

1. Before using this product with an implantable or other medical device, consult your physician or the manufacturer of your implantable or other medical device.
2. If you have a pacemaker or other medical device, make sure that you are using this product in accordance with safety guidelines established by your physician or the implantable device manufacturer.

### Recycling Instructions



Help Williams Sound protect the environment! Please take the time to dispose of your equipment properly.

### Product Recycling

Please do NOT dispose of your Williams Sound equipment

in the household trash. Please take the equipment to a electronics recycling center; OR, return the product to the factory for proper disposal.

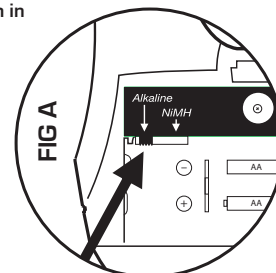
### Battery Recycling

Please do NOT dispose of used batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

### Operating Instructions

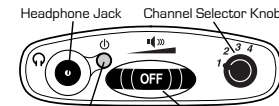
1. Install AA batteries: Open the battery compartment by lifting the tab on the back of the receiver with your finger. To remove depleted batteries, pull up on the fabric strip.

**IMPORTANT: If Alkaline (non-rechargeable) batteries are being installed, slide the battery selection switch in the battery compartment to the "Alkaline" position. See FIG. A. If installing NiMH (or rechargeable) batteries, slide the battery selection switch to the "NiMH" position.**



Press the batteries into place over the fabric strip. **Be sure to observe proper polarity (+/-).** Damage due to improper battery installation may void the warranty on the product. Close the battery door. LED will flash when the batteries are getting low; continue to use until the sound becomes weak or distorted, or the unit quits operating, then replace or recharge batteries.

FIG B: RX22-4 Control Panel



2. Plug the earphone or headphone into the Headphone jack on the receiver's control panel.
3. Turn the receiver on by rotating the Volume control knob. The ON indicator should illuminate RED.
4. Select the channel you'd like by turning the channel selector knob on the control panel. Choose between 4 standard frequencies: **2.3 MHz [Ch. 1], 2.8 MHz [Ch. 2], 3.3 MHz [Ch. 3], or 3.8 MHz [Ch. 4].** Important: Make sure the receiver frequency matches the transmitter frequency. **IMPORTANT:** Make sure the "SoundPlus IR" artwork on the front of the unit is not covered up while in use. Do not place the receiver in a pocket or purse or it will

- not work properly.
5. Adjust the volume to a comfortable listening level.
6. To turn the receiver off, rotate the Volume control knob to the left until it clicks off. The ON indicator should not be lit. To prolong the battery life of the unit, turn the receiver off when it is not in use.

### Battery Information

The WIR RX22-4 Receiver can use two (2) disposable AA batteries. (BAT 001) or two (2) AA rechargeable batteries (BAT 026). Note: The BAT 026 provides longer life than other rechargeables. Do not substitute other rechargeable batteries and chargers.

### Low Battery Indicator

The "On" indicator on top of the unit will flash to indicate low battery.

### Recharging

If the RX22-4 is equipped with rechargeable batteries, up to 12 units can be charged at one time in the optional CHG 3512 multicharger. Refer to the MAN 116 charger instruction sheet for complete charging instructions. For ordering information, please contact Williams Sound at 800-843-3544.

### Earpad Cleaning

Do not immerse the earphone in water or other cleaning agent. Foam pads may be removed and washed with a mild laundry soap solution, rinsed thoroughly, and air-dried. You may also opt to purchase new foam pads. Call the factory for more information: 800-843-3544.

## System Specifications

### Personal PA® RX22-4 Receiver

**Receiver Style:** Body-Pack, dual-lens detector, lanyard

**Size:** 4.1" L x 2.85" W x 1.2" H (104.1 mm x 72.4 mm x 30.4 mm)

**Weight:** 4.5 oz (127 g) with batteries

**Color and Material:** Black

**Lanyard:** 3 ft (.91 m), allows receiver to be worn around the neck

**Operating Temperature:** -10° C to +50° C

**Battery Type:** 2 x AA, alkaline (BAT 001) or NiMH (BAT 026)

**Battery Life:** Alkaline: 60 hours, NiMH: 30 hours/charge

**Battery Drain:** 25 mA, nominal

**Charging Contacts:** For use only with CHG 3512

**Carrier Frequency:** Channel 1: 2.3 MHz, Channel 2: 2.8 MHz  
Channel 3: 3.3 MHz, Channel 4: 3.8 MHz

**De-Emphasis:** 50 uS

**FM Deviation:** ±50 kHz

**Signal-to-Noise Ratio:** 60dB min.

**Squelch:** Receiver squelches (mutes) at 40 dB S/N ratio

**Frequency Response:** 25 Hz to 16 KHz, +1 dB, -3 dB, electrical response

**Total Harmonic Distortion:** Less than 1%, electrical response

**Controls:** ON/OFF/VOLUME: combination thumbwheel knob  
Channel Selector: four-position rotary switch

**Indicators:** Red LED "ON" indicator, flashes to indicate Low battery

**Audio Output Jacks:** 3.5 mm stereo mini phone jack Accepts 3.5 mm mono or stereo phone plug

**Audio Output Power:** 15 mW max at 32 Ω

**Acoustic Output:** 125 dB SSPL90 with HED 002; 110 dB SSPL90 w/ EAR 013

**Sensitivity:** Better than 1 nW/cm<sup>2</sup> for 40 dB signal-to-noise ratio

**Approvals:** CE, FCC, RoHS, WEEE

**Warranty:** 5 years on receiver, 90 days on accessories

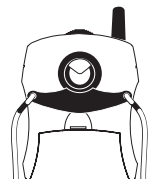
**Compatible Headphones:** Mono or stereo, 8-32 ohms, 3.5 mm mini phone plug,

**Earphones:** HED 021, HED 026, EAR 013, EAR 014, EAR 022, NKL 001

**NOTE:** SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## Lanyard Clip Installation

FIG C

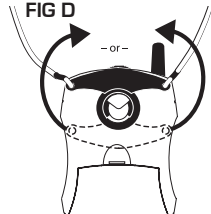


For hands free operation of the RX22-4 receiver, use the provided lanyard clip to secure the unit on your lanyard, pocket or pants.

To Install: Position the lanyard clip on the rear of the RX22-4 receiver as shown in FIG C. Turn the lanyard clip 180° left or right as shown in FIG D. The lanyard clip is now installed and ready for use.

To Remove: Turn the lanyard clip 180° so the edge points toward the top of the unit as shown in FIG C. Gently pull the lanyard clip away from the unit to remove.

FIG D



## Limited Warranty

Williams Sound products are engineered, designed and manufactured under carefully controlled conditions to provide you with many years of reliable service. Williams Sound warrants the WIR RX22-4 receiver against defects in materials and workmanship for FIVE (5) years. During the first five years from the purchase date, we will promptly repair or replace the WIR RX22-4 receiver.

Earphones, headphones, batteries, cables, carry cases, and all other accessory products carry a 90-day warranty.

WILLIAMS SOUND HAS NO CONTROL OVER THE CONDITIONS UNDER WHICH THIS PRODUCT IS USED. WILLIAMS SOUND, THEREFORE, DISCLAIMS ALL WARRANTIES NOT SET FORTH ABOVE, BOTH EXPRESS AND IMPLIED, WITH RESPECT TO THE WIR RX22-4 RECEIVER, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WILLIAMS SOUND SHALL NOT BE LIABLE TO ANY PERSON OR ENTITY FOR ANY MEDICAL EXPENSES OR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY ANY USE, DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT,

If you experience difficulty with your system, call Toll-Free for Customer Assistance:

**1-800-843-3544 (U.S.A.) or  
+1 952 943 2252 (Outside the U.S.A.)**

If it is necessary to return the system for service, your Customer Service Representative will give you a Return Authorization Number (RA) and shipping instructions.

Pack the system carefully and send it to:

**Williams Sound LLC.  
Attn: Repair Dept.  
10300 Valley View Rd  
Eden Prairie, MN 55344**