

T863

Hearing Helper® FM Transmitter

 WILLIAMS SOUND®

INSTRUCTIONS FOR USE AND CARE

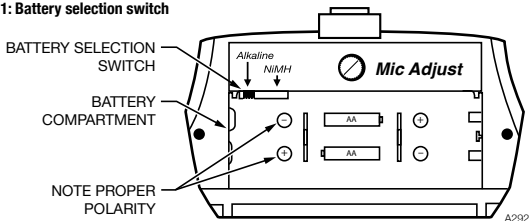
Operating Instructions

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



IMPORTANT: If non-rechargeable batteries are being installed, slide the battery selection switch in the battery compartment to the “Alkaline” position. See figure 1. If installing NiMH (or rechargeable) batteries, slide the battery selection switch to the “NiMH” position.

Figure 1: Battery selection switch

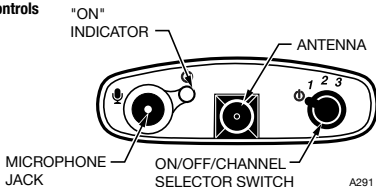


Press the batteries into place over the fabric strip. Be sure to observe proper polarity (+/-). Damage due to improper battery installation may void the warranty on the product. Close the battery door. LED will flash when the batteries are getting low; continue to use until the sound becomes weak or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

2. Plug the microphone cord into the "Microphone Jack" on top of the transmitter.
3. Turn the unit on: turn the On/Off/Channel switch to position "1" or "2" or "3." The Power "ON" LED indicator should illuminate Red.
4. Select a desired operating frequency. To operate on 863.25 MHz, turn the On/Off/Channel switch to position "1"; to operate on 863.75 MHz, turn to position "2"; to operate on 864.75 MHz, turn to position "3."

IMPORTANT: The receiver will need to match the operating frequency on the transmitter for the tour guide system to work properly.

Figure 2: T863 controls



5. Position the Headset Microphone boom as close to the speaker's mouth as possible without actually touching. Lapel clip microphones should be attached to a collar or lapel, as close to the speaker's mouth as possible. The transmitter can be placed in a pocket, or clipped onto a belt or waistband.

IMPORTANT: When the T863 transmitter is not being used, remember to turn the unit OFF by turning the On/Off/Channel Switch to the "⏻" power icon position. The Power "ON" LED indicator should not be lit.

Battery Information

The T863 Transmitter 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 rechargeable batteries. Do not substitute other rechargeable batteries and chargers.

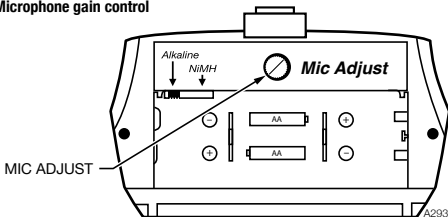
Recharging

If the T863 Transmitter is equipped with rechargeable batteries, up to 12 units can be charged at one time in the optional CHG 3512 multi-charger. Refer to the charger instruction sheet for complete charging instructions. For ordering information, please contact Williams Sound at 800-843-3544.

Microphone Gain Adjust

If necessary, the microphone gain control located in the battery compartment on the back of the T863 transmitter, can be increased or decreased to meet the demands of specific listening applications. The microphone gain control in figure 3 , can be adjusted by using a tuning wand or small screwdriver. To reduce the gain, turn the gain control fully counterclockwise. To increase the gain, turn the gain control fully clockwise. Close the battery door after adjustments have been made.

Figure 3: Microphone gain control

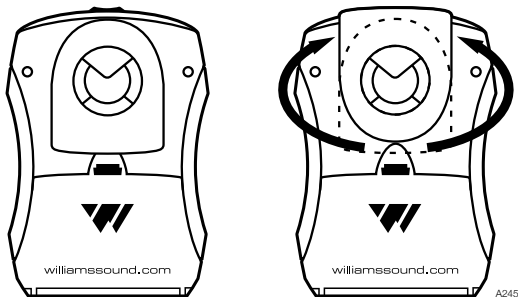


Belt Clip Installation

To Install: Position the belt clip on the rear of the T863 transmitter as shown in figure 4. Turn the belt clip 180° left or right as shown below. The belt clip is now installed and ready for use.

To Remove: Turn the belt clip 180° so the open end of the clip points to the top of the unit as shown in figure 4. Gently pull the belt clip away from the unit to remove.

Figure 4: Belt clip installation



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. Turn the volume down before putting on the earphone or headphone, and then adjust the volume to a comfortable level.
2. Set the volume level at the minimum setting that you need to hear.
3. If you experience feedback (a squealing or howling sound), reduce the volume setting and move the microphone away from the earphone or headphone.
4. Do not allow children or other unauthorized persons to have access to this product.

BATTERY SAFETY

CAUTION!

This product is supplied with disposable Alkaline batteries. 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

Battery Safety and Disposal

Help Williams Sound protect the environment! Please take time to dispose of your equipment properly. Please do NOT dispose of batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

Product Recycling:

Please do NOT dispose of your Williams Sound equipment in the household trash. Please take the equipment to an electronics recycling center or return the product to the factory for proper disposal.

System Specifications

R863 Receiver

| | |
|-----------------------------------|--|
| Dimensions: | 155 mm H x 72 mm W x 30 mm T (6.1" H x 2.85" W x 1.2" T) |
| Weight: | 82 grams (2.89 oz.), no batteries |
| Color: | Black |
| Material: | ABS/Polycarbonate, shatter-resistant |
| Battery Type: | Two (2) AA 1.5 V Non-rechargeable Alkaline batteries (BAT 001), 100 mA nominal current drain, 20 hours approx. life (OR) Two (2) AA 1.2 V NiMH Rechargeable batteries (BAT 026), 100 mA nominal current drain, 15 hours per charge approx., recharges in 14–16 hours, uses CHG 3512 Multiple Battery Charger |
| Operating Frequencies: | CH 1 - 863.25 MHz; CH 2 - 863.75 MHz; CH 3 - 864.75 MHz (\pm 30 kHz) |
| Operating Range: | 30 meters (98.4 feet) with R863 receiver |
| Stability: | \pm .05 MHz, 0 - 50° Celsius |
| FM Deviation: | 60 kHz \pm 5 kHz, transmitter input at 1 kHz, 2.5 mV |
| Pre-Emphasis: | 50 μ S |
| Sensitivity: | < - 90 dBm @ 60 kHz deviation |
| RF Output: | 5 - 10 dBm |
| Freq Response: | 500 Hz - 5 kHz, \pm 3 dB |
| Distortion: | < 2.0% THD |
| Transmit Antenna: | External, 5cm |
| Microphone: | Head-worn, unidirectional, electret type, 39 in. cord, 3.5 mm mono phone plug (MIC 100) |
| Controls & Indicators: | Microphone gain adjust; Channel/Power selector (4 position rotary switch): "Power icon" is off; position 1 is CH1; position2 is CH 2; position 3 is CH 3 Power on indicator: Red LED "on" indicates when receiver has power Low battery indicator: Power LED flashes when batteries are low Battery selector: Slide switch for alkaline or NiMH battery operation |
| Mic Connector: | 3.5 mm jack |
| Charging Contacts: | Designed for use with CHG 3512 Battery Charger |
| Approvals: | CE, RoHS, WEEE, ETSI EN 301 357-1, ETSI EN 301 357-2 |
| Warranty: | 3 years parts and labor (90 days on accessories) |

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 T863 Transmitter against defects in materials and workmanship for THREE (3) years. During the first three years from the purchase date, we will promptly repair or replace the T863 Transmitter.

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 T863 Transmitter, 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, WHETHER A CLAIM FOR SUCH DAMAGES IS BASED UPON WARRANTY, CONTRACT, TORT OR OTHERWISE. THE SOLE REMEDY FOR ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT IS REPLACEMENT OF THE PRODUCT. NO PERSON HAS ANY AUTHORITY TO BIND WILLIAMS SOUND TO ANY REPRESENTATION OR WARRANTY WITH RESPECT TO THE T863 Transmitter. UNAUTHORIZED REPAIRS OR MODIFICATIONS WILL VOID THE WARRANTY.

The exclusions and limitations set out above are not intended to, and should not be construed so as to contravene mandatory provisions of applicable law. If any part or term of this Disclaimer of Warranty is held to be illegal, unenforceable or in conflict with applicable law by a court of competent jurisdiction, the validity of the remaining portions of this Disclaimer of Warranty shall not be affected, and all rights and obligations shall be construed and enforced as if this Limited Warranty did not contain the particular part or term held to be invalid.

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
Attn: Repair Dept.
10300 Valley View Rd.
Eden Prairie, MN 55344



10300 Valley View Rd • Eden Prairie, MN 55344
800-328-6190 / 952-943-2252 • FAX: 952-943-2174
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