

Personal FM™ Listening System • Model PFM 863



Description:

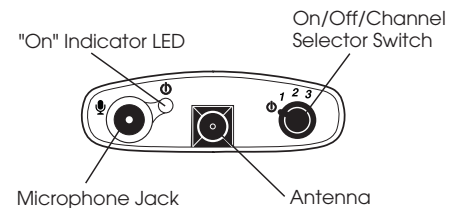
The Personal FM Listening System, model PFM 863, helps to overcome distance from the speaker, reduces background noise and distractions for improved hearing in the classroom, job training, consultation and more. The speaker uses the T863 transmitter equipped with a microphone to deliver their message wirelessly to a listener. The listener uses the R863 receiver equipped with an ear-phone or headphone to pick-up the speaker's message. The Personal FM system helps to overcome background noise, distance from the speaker, and enhances the quality of the message for all participants. The Personal FM system operates on 863 MHz, meets RoHS approval guidelines, and is backed by a 3 year factory warranty.

Applications:

Classrooms • Job Consultation • Job Training • Tours • Group Meetings

T863 Transmitter:

| | |
|------------------------|---|
| 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 (±30 kHz) |
| Operating Range: | 30 meters (98.4 feet) with R863 receiver |
| Stability: | ± .05 MHz, 0 - 50° Celsius |
| FM Deviation: | 60 kHz ±5 kHz, transmitter input at 1 kHz, 2.5 mV |
| Pre-Emphasis: | 50 µS |
| Sensitivity: | < - 90 dBm @ 60 kHz deviation |
| RF Output: | 5 - 10 dBm |
| Freq Response: | 500 Hz - 5 kHz, ±3 dB |
| Distortion: | < 2.0% THD |
| Transmit Antenna: | External, 5cm |
| Microphone: | Head-worn, noise-cancelling, electret type, 39 in. cord, 3.5 mm mono phone plug (MIC 086) |
| Controls & Indicators: | Microphone gain adjust; Channel/Power selector (4 position rotary switch): "Power icon" is off; position 1 is CH1; position 2 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) |



T863 Top



T863 Front

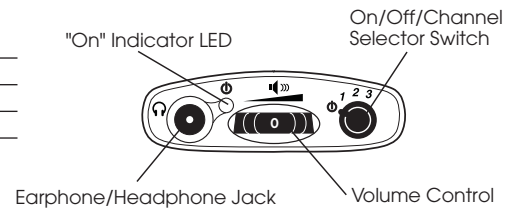
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R863 Receiver

| | |
|------------------------|---|
| Dimensions: | 115 mm H x 72 mm W x 30 mm T (4.5" H x 2.85 W x 1.2" T) |
| Weight: | 85 grams (3 oz.), no batteries |
| Color: | Black |
| Material: | ABS/Polycarbonate, shatter-resistant |
| Battery Type: | Two (2) AA 1.5 V Non-rechargeable Alkaline batteries (BAT 001), 50 mA nominal current drain, 40 hours approx. life (OR) Two (2) AA 1.2 V NiMH Rechargeable batteries (BAT 026), 50 mA nominal current drain, 30 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 (± 30 kHz) |
| Operating Range: | 30 meters (98.4 feet) with T863 transmitter |
| Stability: | ± .05 MHz, 0 - 50° Celsius |
| FM Deviation: | 60 kHz ±5 kHz, transmitter input at 1 kHz, 2.5 mV |
| De-Emphasis: | 50 µs |
| Sensitivity: | < - 90 dBm @ 60 kHz deviation |
| Squelch: | -100 dB @ 6 kHz |
| Freq Response: | 500 Hz - 5 kHz, ±3 dB |
| Distortion: | < 2.0% THD |
| Signal–Noise Ratio: | >50 dB (± 5 dB) with transmitter input at 1 kHz, 2.5mV |
| Antenna: | Internal wire monopole |
| Controls & Indicators: | Volume control knob; Channel selector (four position rotary switch): Position 1 is off; position 2 is CH1; position 3 is CH 2; position 4 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 |
| Headphone jack: | 3.5 mm jack, mono output, 8-32 ohm impedance |
| 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) |



R863 Top



R863 Front

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Bid Specs:

T863 Transmitter

The T863 shall be a portable, belt-pack equipped wide-band transmitter. The unit shall have three user-selectable operating frequencies of 863.25 MHz for CH1, 863.75 MHz for CH 2 and 864.75 MHz for CH 3. The T863 shall be housed in a black polycarbonate impact-resistant enclosure and feature a two-inch external antenna and 3.5mm mono microphone input.

The transmitter shall include an integrated on/off/channel selector control, an internal mic gain control, and power ON indicator LED. The power ON LED shall flash to indicate low battery.

The transmitter shall operate on two AA alkaline batteries for approx. 20 hours of operation or 15 hours with Williams Sound NiMH rechargeable batteries (BAT 026). The transmitter shall have drop-in charging points for charging with the optional CHG 3512.

The T863 shall have an operating range of approx. 30 meters (98 feet) when used with the R863 receiver and a signal ratio greater than 50dB with the R863 and 60 kHz deviation.

The T863 shall have CE, ETSI EN 301 357-1, ETSI EN 301 357-2 approvals, and be compliant with RoHS and WEEE regulations. The unit shall have a three year parts and labor warranty.*

The transmitter shall be the Williams Sound Corp. model number T863.

R863 Receiver

The R863 shall be a portable, belt-pack equipped wide-band receiver. The unit shall have three user-selectable operating frequencies of 863.25 MHz for CH 1, 863.75 MHz for CH 2 and 864.75 MHz for CH 3. The R863 shall be housed in a black polycarbonate impact-resistant enclosure and feature a 3.5mm ear jack that can accept stereo or mono earphones.

The receiver shall include an adjustable volume control, integrated on/off/channel selector and power ON indicator LED. The power ON LED shall flash to indicate low battery.

The receiver shall operate on two AA alkaline batteries for approx. 40 hours of operation or 30 hours when using Williams Sound NiMH rechargeable batteries (BAT 026). The receiver shall have drop-in charging points for charging with the optional CHG 3512.

The R863 shall have an operating range of approx. 30 meters (98 feet) when used with the T863 transmitter, and shall a signal to noise ratio greater than 50dB and 60 kHz deviation.

The R863 shall have CE, ETSI EN 301 357-1, ETSI EN 310 357-2 approvals, and be compliant with RoHS and WEEE regulations. The unit shall have a three year parts and labor warranty.*

The receiver shall be the Williams Sound Corp. model number R863.

*90 days on accessories.

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