

# PFM R36

Motiva™ Personal FM Receiver

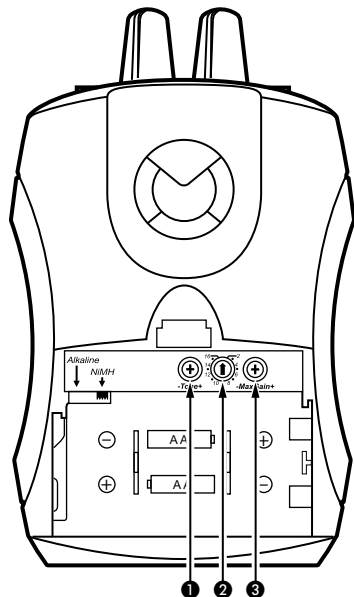
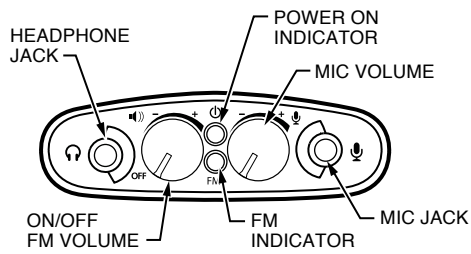


Maximize a student's ability to listen with the Personal FM R36 receiver from Williams Sound. The PFM R36 will ensure that everyone in the classroom can hear the speaker's message clearly and easily. Each receiver has a range of up to 150 feet, and will operate up to 21 continuous hours. Versatile 3.5 mm jack allows for a variety of earphone and headphone options, or, equip it with a neckloop to make it compatible with most telecoil-equipped hearing aids.

The PFM R36 features a sensitive environmental microphone which gives the listener more flexibility on what they want to hear. By turning on the environmental mic, they can listen to a nearby classmate speak more clearly.

# Motiva™ Personal FM Receiver

## PFM R36 FM Receiver:



- ① TONE CONTROL
- ② CHANNEL
- ③ SPL LIMIT CONTROL

<b>Dimensions:</b>	4.6" L x 2.8" W x 1.1" H (116 mm x 71 mm x 28 mm)
<b>Weight:</b>	3.4 oz (96 g), no batteries
<b>Color:</b>	Titanium and Black
<b>Housing Material:</b>	Shatter-resistant PC/ABS plastic
<b>Battery Type:</b>	Two (2) AA 1.5 V non-rechargeable Alkaline batteries (BAT 001), 70 mA nominal current drain, approximately 21 hours life, or Two (2) AA 1.5 V NiMH rechargeable batteries (BAT 026), 70 mA nominal current drain, approximately 17 hours per charge, recharges in 14–16 hours, uses CHG 3502 or CHG 3512 Charger.
<b>Operating Frequencies:</b>	Selectable, 16 channels, 72.1 – 75.9 MHz*
<b>FM Deviation:</b>	± 75 kHz max synthesized, crystal reference, PLL
<b>Sensitivity:</b>	2.5 µV at 12 dB Sinad with Squelch defeated, Squelch set by user.
<b>Freq Response:</b>	200 Hz to 12 kHz, -3 dB
<b>Signal-to-Noise Ratio:</b>	62 dB at 100 µV
<b>Receive Antenna:</b>	Integral with earphone/headphone cord
<b>External Controls:</b>	Volume: rotary on/off/volume
<b>Mic Volume:</b>	Rotary control
<b>Internal Controls</b>	Tone: Rotary tone control Channel: 16 position rotary switch Max Gain: rotary adjust Squelch: rotary control
<b>Indicators:</b>	On/off/low battery and FM LED's
<b>Mic Input:</b>	3.5 mm mono phone jack with electret microphone bias, external adjustable gain with 50 dB range
<b>Audio Output:</b>	Stereo jack produces 30 mW, max at 16 Ohm $\phi$ , can be reduced by internal Max Gain control up to 17 dB
<b>Approvals/Directives:</b>	FCC, Industry Canada, RoHS, WEEE
<b>Warranty:</b>	5 years, parts and labor (90 days on accessories)

A215

**\*DISCLAIMER: FCC RULES LIMIT USE OF THIS EQUIPMENT TO AUDITORY ASSISTANCE.**

**\*\*90 days on accessories.**

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

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## Bid Specs

The Williams Sound Corp. PFM R36 shall be a wideband sixteen channel synthesized FM receiver operating on 72MHz to 76MHz. It shall be housed in a titanium colored PC/ABS plastic enclosure 4.6" x 1.1" x 2.8" and be compatible with the CHG 3502 and CHG3512 chargers.

The R36 shall be powered by two AA batteries and shall run for 21 hours on two alkaline disposable batteries and seventeen hours on the Williams Sound Corp. BAT 026 rechargeable batteries.

The R36 shall have the antenna integrated into the headphone cord. The top bezel shall have a 3.5mm stereo jack that can drive both stereo and mono headphones, a rotary on/off volume control, 3.5mm environmental microphone input, a rotary microphone gain control and have a power LED and an FM indication LED.

Inside the battery compartment there shall be a rotary squelch control, rotary tone control, a sixteen position channel selector, an Alkaline or NiMH switch to select for charging operation and an output control which can reduce the maximum output by up to 17dB.

The R36 shall be FCC, Industrie Canada and RoHS compliant and shall have a five year warranty.

This receiver shall be the Williams Sound PFM R36.

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