



SONGBIRD

Clear, natural sound quality

The new Howard™ Songbird takes center stage when it comes to classroom acoustics. Designed to improve instructional performance, this audio amplification system boosts and improves sound quality so that students are able to hear the teacher's voice more clearly no matter where they are seated in the classroom. Better communication means better comprehension, and greater academic achievement— music to your ears! For the optimal educational environment, sound off in your classroom with the Howard™ Songbird!



Howard Technology Solutions recommends genuine Microsoft® Windows® XP Professional.



BENEFITS

- Verbal instruction delivered in clear, natural sound improves comprehension, and significantly enhances academic performance.
- An audio amplification system results in a more focused, productive classroom, and
- Reduces vocal strain and resulting fatigue on the instructor.

Amp Specifications

Power output	2 x 50 watts RMS into 8 ohm impedance; 100 watt bridged mono
THD	0.02%
S/N	103 dB A weighted
Features	Auto-on signal-sensing Independent volume & balance front panel controls, A/B speaker selector Second line input with priority override
Weight	9.6 lbs
Dimensions	3 1/2"W x 2 3/4"H x 8"D

Speaker Specifications

Woofer	Polypropylene 8" woofer with rubber surround for long life
Tweeter	1/2" PEI Dome tweeter
Power handling	120 watts
Frequency response	45 Hz to 22 kHz
Sensitivity	90 dB
Unit dimension	10 3/4" x 3 5/8"
Cut-out size	9 5/8"
Warranty	10 year warranty

Mic Specifications

Operating frequency	VHF high band, 169 MHz to 172 MHz
Frequency stability	± 0.005%
Frequency response	80 Hz to 13 kHz
Channels	Fixed channel
Modulation mode	FM
Maximum deviation	± 15 kHz
Operating range	200' typical
Operating temperature range	40° F (4° C) to 110° F (43° C)

Receiver Specifications

Sensitivity	20 dBµV for 60 dB S/N (IEC-weighted)
Audio output	350mV (1kHz modulation, 10kHz deviation, 100 k ohm load)
Output connector	1/4" TS ("mono") phone jack
Power supply	100-240V AC (50/60 Hz) to 12V DC 1A (center positive) switched mode external power supply
Dimensions	7.48" (190.0mm) Width 1.65" (42.0mm) Height 5.12" (130.0mm) Depth
Net weight	11.0 oz. (311 g)

Body Pack Transmitter Specifications

RF power output	10 mW high position, 2 mW low position, typical
Input connections	High impedance, low impedance, bias
Battery	9V (NEDA type 1604) alkaline (not included)
Current consumption	30 mA typical
Battery life	Approx. 15 hrs in high position Approx. 20 hrs in low position (depending on battery type & use pattern)
Dimensions	2.56" (65.0mm) Width 4.33" (110.0mm) Height 1.00" (25.4mm) Depth
Net weight	2.8 oz. (78 g) without batteryw

Experience the Howard advantage.

Product Upgrades

Enhance your purchase with any or all of the following products or services. And feel free to contact us toll free at 888-912-3151 to discuss any questions or your specific needs!

- On-site service
- Additional speakers
- Wall-mount speakers
- Student pass mic

Warranty & Support

- Howard Technology Solutions' standard warranties apply.
- **FREE** customer and technical support to purchaser via telephone or web for the life of the system.
- Expedite your troubleshooting process by participating in our Howard Technical Partnership Program (HTPP) which certifies your staff to perform basic hardware service and support. Contact us today for more information.