

### CLASSROOM AUDIO ENHANCEMENT SYSTEM

ActivSound's versatile and expandable solutions make every ActivClassroom a rich learning -- and sounding -- environment. Wireless teacher microphones and classroom speakers project clear audio signals, ensuring that students can hear the lesson, no matter their distance from the teacher. Pass-around microphones promote classroom discussion where students can focus on the speaker and concentrate on the conversation. ActivSound enhanced audio for teachers and students delivers positively sound results.

### ACTIVSOUND 100, 200 SPECIFICATIONS



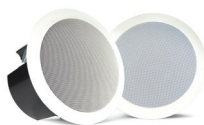
Model	ActivSound 100	ActivSound 200
Audio Power	30W RMS, 45W Peak	50W RMS, 75W Peak
Stereo	1 Channel Monophonic Sound	2 Channel Stereo Sound
Frequency Response	50Hz to 15kHz	50Hz to 15kHz
Power Requirements	24Vdc, 2.6 Amps	24Vdc, 3.0 Amps
Receiving Frequencies	Teacher 1 : 2.30 MHz Teacher 2 : 2.80 MHz	Teacher 1: 2.30 MHz Teacher 2: 2.80 MHz
Number of Microphones	Up to 2 (2 teacher or 1 teacher & 1 student)	Up to 4 (2 teacher, 2 student)
Wireless Receiver Type	Infrared	Infrared
Signal-to-Noise	>80dB	>80dB
External Sensors	Up to 7 sensors *Optional couplers required	Up to 7 sensors *Optional couplers required
Front Panel Controls	2 Microphone Volume Controls 2 Band Equalizer 2 Speaker Volume Controls 2 Auxiliary Volume Controls 1 Power Switch	2 Microphone Volume Controls 3 Band Equalizer 4 Speaker Volume Controls 4 Auxiliary Volume Controls 1 Power Switch
Remote Control from Teacher Pendant Microphone	Teacher 1 Level Teacher 2 Level	Teacher 1 Level Teacher 2 Level Auxiliary Input Level
Rear Panel Connections and Controls	4 Mono Auxiliary Inputs, 3.5mm Line Output Terminal, 4 8-Ohms Speaker, Connections Accommodates up to 8 Speakers, Infrared Sensor Coaxial Input, Power Terminal	4 Stereo Auxiliary Inputs, 3.5mm Line Output Terminal, 8 8-Ohms Speaker, Connections Accommodates up to 16 Speakers, Infrared Sensor Coaxial Input, Aux Mute Off/Med/High, Power Terminal
Image Rejection	>40dB	>40dB
Reception Selectivity	+/-40kHz	+/-40kHz
Dimensions (w x h x d)	210mm x 58mm x 240mm (8.3in x 2.3in x 9.5in)	420mm x 102mm x 280mm (16.5in x 4in x 11in)
Weight	1.25kg (2.75lbs)	3.6kg (8lbs)

### ACTIVSOUND MICROPHONE SPECIFICATIONS



Model	Teacher Microphone (1 included with each system)	Handheld Microphone (Optional)
DC IN	DC 3.3V +/- 0.25V	DC 3.3V +/- 0.25V
External Inputs	Aux In: 3.5 mm Stereo Jack (mutes internal/external microphone) Audio In – 3.5mm Jack for external microphone (mutes internal microphone)	Aux In: 3.5 mm Stereo Jack (mutes internal microphone)
Power Switch	1 Power Switch Momentary push to turn on and/or mute Long push to turn off	2 Power Switches On/off slide switch for constant on Momentary push-to-talk
Power Indicator	3 Color LED Power On: Green Low Power Warning: Yellow/Red Invalid Channel: Green Blink	3 Color LED Power On: Green Low Power Warning: Yellow/Red Invalid Channel: Green Blink
Battery Charging Indicator	1 Color LED Charged: Extinguished Charging: Solid Red Fault: Fast Red Blink	1 Color LED Charged: Extinguished Charging: Solid Red Fault: Fast Red Blink
Infrared Channel Select	Channels 1-4: Rotary Switch	Channels 1-4: Rotary Switch
IR Emitters	4 Emitters - Multidirectional	6 Emitters - 360° Coverage
Remote Control Select	Own/Other/Line: Push Button Switch	N/A
Remote Volume Controls	Up/Down Push Button	N/A
Battery	1x AA NiMH (rechargeable)	1x AA NiMH (rechargeable)
Operating Time	~8 hours	~8 hours
Charge Time	Max. 8 hours	Max. 8 hours
Audio Distortion	<1.0% (40kHz deviation @1kHz)	<1.0% (15kHz deviation @1kHz)
Dimensions (w x h x d)	50mm x 85mm x 24.5mm (1.96in x 3.3in x 0.96in)	235mm Length x 31.7mm Diameter (9.25in Length x 1.25in Diameter)
Weight	85g (3 oz) incl. battery	131g (4.6oz) incl. battery

### ACTIVSOUND SPEAKERS



Model	Ceiling Speaker	Wall Speaker
Frequency Response	100Hz to 15kHz +/-2dB	80Hz to 20kHz +/-2dB
Power Handling	50W continuous Pink Noise	20W continuous Pink Noise
Sensitivity	88dB 1W/1m	88dB 1W/1m
Impedance	8-Ohms nominal	8-Ohms nominal
Type	Ported enclosure for extended bass response	2-Way system with vented enclosure
Dimensions	Depth: 173mm (5.25in) Mounting Hole Diameter: 178mm (7in)	Height: 184.5mm (7.25in) Width: 116.5mm (4.56in) Depth: 118.8mm (4.68in)
Weight	1.36Kg (3.0lbs)	1.8kg (4.0 lbs)

### MINIMUM SYSTEM REQUIREMENTS FOR USE WITH ACTIVINSPIRE AND/OR ACTIVBOARD

Operating Systems	Windows XP SP2 and above (XP/Vista/7) Mac OSX 10.4.11 – 10.6.1 (Tiger/Leopard/Snow Leopard) Linux Ubuntu 8.04, 8.10, 9.04, 9.10; Mandriva
PC	Pentium 4 – 1 GHz processor (800MHz for Vista), 512 MB of RAM, 1024x768 resolution, 1.5 GB of Free Disk space
Mac	Intel Processors (Universal Binary), 512 MB of RAM, 1024x768 resolution, 3.0 GB of Free Disk Space

### WARRANTY AND SUPPORT<sup>†</sup>

ActivSound 100, ActivSound 200,  
Microphones, IR Dome Sensor, Speakers  
& Chargers

Three-Year Warranty (Return-To-Base)  
90-Day Telephone Support  
KnowledgeBase: [www.prometheankb.com](http://www.prometheankb.com)