

IA-S210 IR Wireless Audio System

Create a truly engaging learning environment or interactive public forum with the IA-S210 IR wireless audio system. Stop straining your voice screaming at your audience and let the mobility of wireless audio help you connect with listeners in ways not possible from standing behind a podium. Take your pendant microphone with you to any room with an IA-S210 system installed for better convenience and hygienic use. Besides, with the IA-S210 IR wireless audio system you can rest assured that everyone in the room, from the first row to the last, will hear you as clearly as you hear yourself.



Lightweight, hands-free pendant microphone

IA-S210's wireless pendant microphone is a dream come true for any teacher or public speaker. The ultra-lightweight (39g) design allows you to wear it all day without experiencing any physical strain, while the six front/side IR emitter diodes ensure great IR signal transmission. Plus, since the microphone is completely hands-free, you'll enjoy remarkable ease of use.



Massive 232m² coverage area

Don't be held back by your audio system. IA-S210 features an immense 232 square meter reception area. The powerful IR sensor can pick up the microphones' IR signals from anywhere within its 15-meter, 360° range. Enjoy the freedom to move about the room and pass around the microphones without having to worry about weak or choppy transmission.



Dual channel IR receiver & built-in amplifier

The IA-S210's receiver/amplifier supports sound output up to 32 watts via one or two connected speakers. The frequencies of the system's two independent channels are set upon manufacture and unique to the IA-S210, so you can mix and match microphones across systems without any radio interference or frequency recalibration concerns.



Ergonomic handheld wireless microphone

Use the handheld wireless microphone to engage your audience in thought-provoking dialogue. The ergonomic design allows for comfortable use by audience members of all ages, while the cleverly placed IR emitter diode rings at the top and bottom of the microphone make certain the signal isn't inadvertently blocked by the user's hand.



Handy teacher priority & page override features

IA-S210 was designed with teachers in mind. With the teacher priority function enabled, the student's microphone is muted automatically until the teacher is done speaking, preventing unruly students from disrupting the teacher mid-sentence. Likewise, the page override function silences all microphones whenever an announcement is made over the classroom's PA speaker.

IA-S210

IR Wireless Audio System

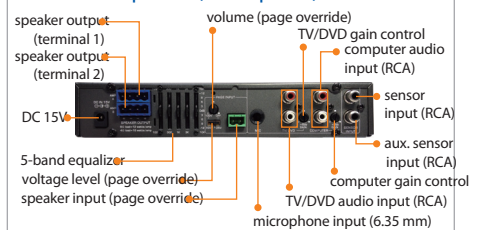
IR receiver/amplifier specifications		
carrier reception	infrared (IR)	
total channels	2	
frequency	channel A: 2.3 MHz, channel B: 2.8 MHz	
frequency response	40 Hz ~ 18 KHz, ±3 dB	
signal-to-noise (S/N) ratio	>70 dB	
total harmonic distortion (THD)	<1% at 1 KHz	
external sensor inputs	2 (RCA)	
speaker outputs	32W total (dual amp): 16W per amp at 4Ω load or 12W per amp at 8Ω load	
input level	off, 25V, 70V, 100V switchable	
equalizer	5 band ±12 dB	
microphone inputs & level	1 (RCA), 6mV, 600Ω	
aux. audio inputs & level	2 (RCA), 300mV, 47kΩ (+6 dB gain)	
line output	1 (3.5 mm with gain control)	
page input	1 (2-pin Phoenix connector with gain control)	
page override	yes	
teacher priority	yes	
power source	DC 15V, 2.8A	
dimensions (W x H x D)	215 x 44 x 190 mm	
weight	1.22kg (2.69lbs)	
IR sensor specifications		
operating frequency	2 MHz ~ 2.8 MHz	
operating range	15 meters from sensor (line-of-sight)	
reception area & angle	232 square meters, 360°	
signal / power interface	RCA (female)	
dimensions (Ø x H)	118 x 35 mm	
weight	210g (0.46lbs)	
IR wireless pendant microphone specifications		
type	pendant	
IR wavelength	850 nm	
transmission frequency	channel 1: channel A (2.3 MHz), channel 2: channel B (2.8 MHz), channel 3: channel B push-to-talk (2.8 MHz)	
pilotone frequency	32.768 KHz	
transmission angle	180°, conical	
IR emitter diodes	6 (front & side panels)	
MIC capsule	condenser, unidirectional	
MIC sensitivity control	high / medium / low	
external inputs	1 aux. / MIC input (3.5 mm) with auto-detection	
push-to-talk	switch to channel 3, press and hold function control switch to talk	
current consumption	90 mA	
battery type	rechargeable Li-ion polymer battery (3.7V / 600 mAh)	
battery life	approx. 7 hours	
dimensions (W x H x D)	30.6 x 93 x 19 mm	
weight (including battery)	39g (0.09lbs)	
IR wireless handheld microphone specifications*		
type	handheld	
transmission frequency	channel 1: channel A (2.3 MHz), channel 2: channel B (2.8 MHz)	
pilotone frequency	32.768 KHz	
transmission angle	360°	
IR emitter diodes	10 (2 locations: top and bottom)	
MIC capsule	condenser, unidirectional	
current consumption	220 mA	
battery type	2 rechargeable "AA" Ni-MH batteries	
battery life	approx. 7 hours	
dimensions (Ø x H)	45 x 247 mm	
weight (including battery)	240g (0.53lbs)	
package content		
IR receiver/amplifier	power adapter (15V, 2.8A)	ceiling bracket and mounting screws
IR sensor	micro USB cable and USB power adapter	user manual
IR wireless pendant microphone with clip and lanyard	IR sensor cable	

*Handheld microphone sold separately.

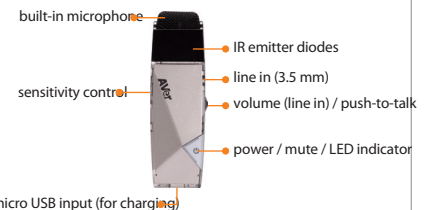
receiver/amplifier (front panel)



receiver/amplifier (back panel)



pendant microphone (front)



pendant microphone (back)



optional accessories



IR wireless handheld microphone

Empowering Dynamic Media
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