

**description**

A wireless, two-channel infrared emitter with body-worn or headset receivers

**application**

Hearing accessibility, simultaneous interpretation, and audio description for courtrooms, recorded tours, conference centers, and live theatres

**key features**

Prevents interference from ballast lighting; stereo or two-channel transmission; signal does not penetrate walls (meaning sensitive transmissions are secure and multi-room installations are possible)

**specifications:****STARSOUND<sup>®</sup>****infrared system 600  
2.3/2.8MHz****body-worn receiver: PE 600R**

receiving frequency	2.3 or 2.8 MHz (switchable)
modulation	FM wide-band
audio frequency response	100Hz to 7kHz $\pm$ 3dB
max sound pressure	134dB (w/ 100 $\Omega$ transducer) 113dB (w/ AT0541 headset)
signal-to-noise ratio	> 55dB
squelch level	25dB SINAD
power supply	2 AA NiCad or alkaline cells
operating time	35Hr between charges (NiCad)
nominal volume setting	80Hr (alkaline) typical
current drain	20mA typical
output/charge jack	3.5mm
detector lens	infrared element with ambient light filter
user controls	on/off/volume; channel
displays	charging/low battery LED; 4Hr remaining (NiCad); 6 to 8 Hr remaining (alkaline)
color	translucent purple with red acrylic lens and lettering
size (wxhxd)	5.6 x 9.4 x 2.5 cm/2.2 x 3.7 x 1 in
weight	100g/3.5oz
case	ABS plastic

**two-channel headset: PE 602R****channel selector**

Users can choose from two simultaneous programs

receiving frequency	2.3MHz & 2.8MHz (switchable)
modulation	FM wide-band
reception	360°
frequency response	60Hz to 12kHz $\pm$ 3dB
signal-to-noise ratio	54dB non-weighted
power supply	2 AAA alkaline cells
operating time	20Hr
nominal volume setting	
current drain	25mA maximum; 20mA typical
maximum output power	6mW
detector lens	infrared element with ambient light filter
user controls	power; left and right volume; channel selector
color	black
weight	200g/7.1oz

**stereo headset: PE 601R (also available)**

receiving frequency	2.3 MHz & 2.8 MHz simultaneously (stereo)
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*All other specs are the same as PE 602R (see above)*

## master emitter: PE 600E



transmitting frequency	2.3MHz and 2.8MHz simultaneously
modulation	FM wide-band
frequency response	50Hz to 12kHz $\pm$ 3dB
supply voltage	28VDC
current drain	700mA
audio input impedance	18k $\Omega$
mic input impedance	1.3k $\Omega$
min. audio input level	100mV
microphone input level	1mV
ALC range (audio input)	550mV to 7V
coverage	370m <sup>2</sup> /4,000ft <sup>2</sup>
user controls	none
inputs / outputs	left & right audio input phono jack left & right sync input phono jack left & right sync output phono jack left & right mic input 0.25in mono jack
power input jack	2.5mm
size (WXHXD)	25 x 18 x 7.5 cm/10 x 7.25 x 3 in
weight	1,100g/36.6oz
case	aluminum with baked enamel finish and purple or clear acrylic lens
mounting boss	0.25in-20

## 12-unit charger: PE 300C

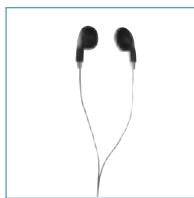


capacity	12 receivers
power supply	wall transformer (AT0461)
user control	none
color	black with aluminum trim
size (WXHXD)	39.4 x 29.2 x 15.2 cm/15.5 x 11.5 x 6 in
weight (empty)	1859g/4.1lbs

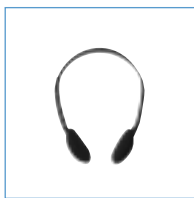
## listening options accessories



AT0538-M  
monaural earbud



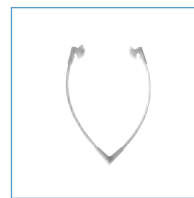
AT0538-S  
binaural earbuds



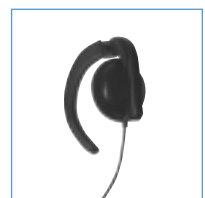
AT0541-14  
standard headset



AT0163-B  
teleloop  
(use with AT0543  
connector cord)



AT0359  
steroclip  
(use with AT0016  
transducer button and  
AT0545 connector cord)



AT0825  
swivel earphone

## mounting accessories



AT0579-IR  
floor stand (use with  
AT0582-IR adapter)



AT0579-T-IR  
table-top stand (use with  
AT0582-IR adapter)



AT0603  
wall mounting bracket  
(available in white or black)

## optional accessories



AT0707  
portable system case



AT0534  
two-unit charger