

description

A wireless infrared, large area, single channel system with body-worn or headset receivers

application

Hearing accessibility and audio description for multiplex cinemas, conference centers, live theatres, and courtrooms

key features

Signal does not penetrate walls (meaning sensitive transmissions are secure and multi-room installations are possible)

specifications:**STARSOUND[®]****infrared system 400
95/250kHz****body-worn receiver: PE 400R**

receiving frequency	95kHz or 250kHz (factory-set)
modulation	FM wide-band
audio frequency response	40Hz to 9kHz \pm 3dB (electrical)
max sound pressure	134dB (with 100 Ω transducer); 113dB (with AT0541 headset)
signal-to-noise ratio	> 50dB
squelch	carrier-based
squelch level	25dB SINAD
power supply	2 AA NiCad or alkaline cells
operating time	35Hr between charges (NiCad)
nominal volume setting	80Hr (alkaline)
current drain	20mA
nominal volume setting	
output/charge jack	3.5mm
detector lens	infrared element with ambient light filter
user controls	on/off/volume
displays	charging LED
color	smoke grey with red and white 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
hearing aid interface	T-coil reception capability

headset receiver: PE 401R

receiving frequency	95kHz
modulation	FM wide-band
audio frequency response	60Hz to 7.5kHz \pm 3dB (electrical)
signal-to-noise ratio	> 40dB
power supply	2 AAA alkaline cells
operating time	70Hr
nominal volume setting	
current drain	15mA
nominal volume setting	
maximum output power	15mW (108dB SPL)
detector lens	infrared element with ambient light filter
power light	red LED located on top
user controls	volume/on/off
color	grey and black with red lettering
weight	156g/5.5oz
hearing aid interface	T-coil reception capability

master emitter: PE 420E



transmitting frequency	95 or 250 kHz (switchable)
modulation	FM wide-band
number of diodes	144
coverage	up to 1,333m ² /12,000ft ² (elliptical pattern)
input/output connections	2.5mm power jack; 0.25in input jack; BNC output jack
line input levels	100mV - 2.5V _{rms} @ 0dB 1V-22V _{rms} @ -10dB
input impedance	approximately 10kΩ @ 0dB 100k Ω @ -10dB
input protection	2A fuse
power input	20VAC @ 2.0A (AT0724 wall transformer)
operating current	1A
operating voltage	20VAC
current drain	1.4A maximum
mounting boss	0.25in (20 threads)
size (WXHXD)	66.6 x 29.2 x 18.1 cm / 11.5 x 7.125 x 2.625 in
weight	855g/30oz
case	aluminum with baked enamel finish and red acrylic lens

slave emitter available: PE 421E



transmitting frequency	95 or 250 kHz
modulation	FM wide-band
number of diodes	144
coverage	up to 1,333m ² /12,000ft ² (elliptical pattern)
input/output connections	2.5mm power jack BNC input jack BNC output jack
input/output impedance	approximately 10k Ω
input protection	2A fuse
power input	20VAC @ 2.0A (AT0724 wall transformer)
operating current	1A
operating voltage	20VAC
current drain	1.2A maximum
mounting boss	0.25in (20 threads)
size (WXHXD)	66.6 x 29.2 x 18.1 cm / 11.5 x 7.125 x 2.625 in
weight	855g/30oz
case	aluminum with baked enamel finish and red acrylic lens

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



AT0656
portable system case



AT0534
two-unit charger

12-unit charger: PE 300C

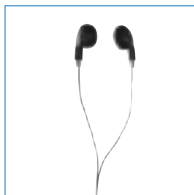


capacity	12 receivers
power supply	wall transformer (AT0461)
user control	none
color	black with aluminum trim
size (WXHXD)	39.4 x 29.2 x 15.2 cm / 15.5 x 11.5 x 6 in
weight (empty)	1859g/4.1lbs

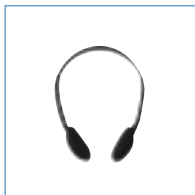
listening options accessories



AT0538-M
monaural earbud



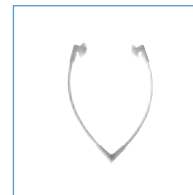
AT0538-S
binaural earbuds



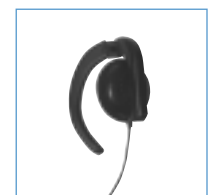
AT0541-14
standard headset



AT0163-B
teleloop
(use with AT0543
connector cord)



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



AT0825
swivel earphone