

description

LEXIS is an FM wireless personal communication system consisting of a handheld transmitter/microphone with three selectable microphone modes (Omni, Focus and Superfocus) and a small, ear-level receiver with a manually-adjustable gain control. The receiver is compatible with most BTE hearing instruments.

application

The LEXIS system helps users overcome listening challenges created by noise, distance and echo.

LEXIS empowers students and adult users to lead an independent and active lifestyle by delivering superior sound quality with incredible versatility. Because of the incredible directionality, students using LEXIS have the option of handing the transmitter to the teacher or keeping it themselves. Three selectable mic-modes allow students and adult users to quickly and easily adjust to almost any sound environment.

- Four microphone array plus one omni-directional mic
- Digital Signal Processing to produce incredible directionality
- 50dB signal-to-noise ratio
- Ear-level receiver
- Manually-adjustable gain control (14dB range)

specifications: LEXIS™

wireless FM communication system



transmitter/microphone



dimensions (WXHxD)	125 x 20 x 35 mm/4.9 x 0.78 x 1.37 in
weight	75g
power supply	2 x 1.2V NiMH rechargeable batteries AAA or 2 x 1.5V disposable alkaline batteries AAA 6.5VDC charger 100 - 240V (50/60 Hz)
battery life	8+ hrs (9+ hrs with disposable AAA)
channel selection	unit preprogrammed selection by pen-push buttons
type of modulation	FM
processing	Digital Audio Processing
SNR*	>50dB
minimum channel spacing	50kHz
external audio	input (mini-jack) 3.5mm stereo walkman type 200mV _{rms} max.
distortion	<1.5%

* 1kHz tone @ 5kHz deviation and 8kHz audio bandwidth

receiver



dimensions (WXHxD)	15.2 x 12.4 x 11.3 mm/0.59 x 0.48 x 0.44 in
power supply	from hearing instrument battery
battery current drain - on	2.2mA (1.2V)
battery current drain - off	no drain
manually adjustable gain	14dB
channel selection	fixed-crystal based
type of modulation	FM
antenna	internal antenna
HA power range	0.95 - 1.6V
total harmonic distortion*	<3%
SNR*	>55dB
adjacent channel rejection	>45dB rejection at 50kHz channel spacing

* Fully-quieted carrier, 1kHz tone @ 5kHz deviation and 8kHz audio bandwidth

system

operating frequencies (country specific)	173, 183, and 216 MHz
range	5m/15ft typical, up to 10m/30ft with internal antenna up to 30m/100ft with external antenna
audio bandwidth	100Hz - 6.5kHz delivered from system to hearing instrument
AI-DI	8.5dB in Superfocus mode

u.s.a. **800.227.0735**, then press **5** • canada **800.263.8700** • international **+45 3917 7101** 

microphone options



AT0655R
behind-the-neck microphone

included accessories



650-02-100-03
lavalier cord



external antenna
389-02-100-08 (173MHz)
389-02-110-00 (183MHz)
389-02-120-02 (216MHz)



384-01-210-08
auxiliary input cable
(to connect to TV, VCR,
DVD, etc.)



384-01-220-00
auxiliary input cable
(to connect to portable
devices, i.e., computers)



895-06-500-05
belt case



890-60-010-04
transmitter/microphone
charger

user controls: directional microphone



off



omnimode



focus



superfocus