



# ANG-2200

## ACOUSTIC NOISE GENERATOR

### Protect your privacy...

Protect proprietary or sensitive conversations against eavesdropping threats from perimeter contact microphones and reflected laser listening devices.

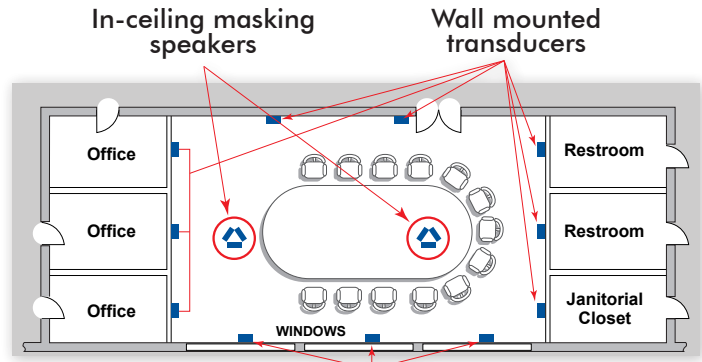
## ANG-2200 Features

The ANG-2200 injects tuned masking noise into perimeter structures to mask structure-bound audio. Acoustic Spectrum Analysis Software (ASA-2000) ensures the masking noise is properly adjusted to provide adequate masking without being too loud or disruptive.

- True random noise source with no statistical repeatability
- Independently controlled dual channels for use on different structures
- "Tunable" masking noise for specific environmental requirements
- Provides an eavesdropping defense against devices that may not be detected by conventional methods

System configuration should be tailored to the environment. REI recommends one transducer every 4-5 linear feet.

### Example of noise masking speaker/transducer placement



- TRN- 420 Provides perimeter protection for walls and windows
- ⊕ OMS-2000 Provides protection from ceiling devices (mounted in drop ceilings)

## ANG-2200 Accessories (sold individually)

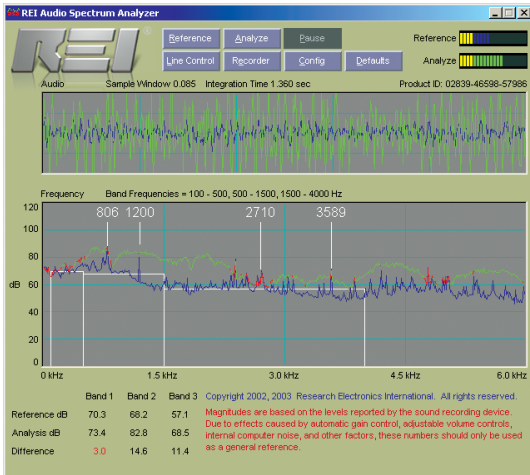
**TRN-420 Transducer** injects acoustic noise into walls, ceilings, windows, plumbing, air ducts, and other vulnerable structures.

**OMS-2000 Omni Directional Speaker** projects masking noise into drop ceiling air spaces, closets, crawl spaces, and other vulnerable air spaces.

NOTE: Speaker wire not included, common 20 gauge speaker wire is recommended.



Acoustic Leakage Probe included with ASA-2000 Software



## ASA-2000 Acoustic Spectrum Analysis Software

Allows the user to evaluate structure-bound audio leakage for analysis and proper adjustment of the ANG-2200 to provide adequate masking without being too loud and/or disruptive.

# ANG-2200 Technical Specifications

## ANG-2200 Acoustic Noise Generator

**Size:** 1.6 in x 5.5 in x 8 in (4.1 cm x 14 cm x 20.3 cm)

**Weight:** 1.3 lbs (590 g)

### Each Channel:

Independent Random Noise Source

Output voltage: 12 Vp-p @ 6Ω

Frequency range: 125 Hz to 4 kHz

**Power:** 15 VDC @ 1 A



Front Controls (Dual Channel)



Back Connections

## Accessory Specifications

### TRN-420 Transducer

With wall mounting and connecting hardware

**Size:** 2.8 in x 2.3 x 1.2 in

(7.112 cm x 5.842 cm x 3.048 cm)

**Weight:** 3.3 oz (93 g)

**Impedance:** 4Ω



### OMS-2000 Omni Directional Speaker

**Size:** 5 in x 5 3/4 in (12.7 cm x 14.6 cm)

**Weight:** 2.0 lbs (907 g)

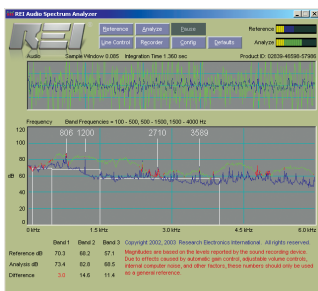
**Impedance:** 24Ω

**Max Speakers per Channel:**

12 @ full level



### ASA-2000 Acoustic Spectrum Analysis Software



Allows the user to evaluate structure-bound audio leakage for analysis and proper adjustment of the ANG-2200 to provide adequate masking without being too loud and/or disruptive.

### Acoustic Leakage Probe

**Frequency Response:** 50 Hz to 10 kHz

(Surface Dependant)

**FET Preamp Bias:** 3 to 9 VDC

**Sensitivity:** Optimized for voice use/low noise high output element

**Impedance:** 2 kΩ



## Optional Rapid Deployment Kit

This all-in-one ANG-2200 Rapid Deployment Kit provides the tools and accessories to rapidly deploy a complete ANG System in a medium sized conference room. Included in the kit:

ANG-2200 (2)

TRN-420 (24)

ASA-2000 Acoustic Spectrum

Analysis software download (1)

Omni masking speakers (2)

Transducer hardware (24)

Multi-meter with cables (1)

Wire stripper (1)

Screwdriver (1)

Needle nose pliers (1)



(4) 250 ft/76 m spools of 20 gauge wire

Portable case with casters

**Weight Packed:** 50 lbs/23 kg

**Exterior Dimensions:**

(LxWxD) 25 in x 20 in x 12 in/  
63 cm x 50 cm x 30.2 cm



\* Product specifications and descriptions subject to change without notice.