

SPECIFICATIONS

Enclosure Type	H-1, H-2, H-3: Sealed, Two-way HB-1: Port Radiation, Acoustic Bandpass
Speaker Components	H-1: 3" x 2" Cone Woofer (Neodymium Magnet) H-2: 4" Cone Woofer (Neodymium Magnet) H-3: Two 4" Cone Woofers (Neodymium Magnet) H-1, H-2, H-3: 1" Balanced-Dome Tweeter (H-1 and H-2 are Ferrofluid Cooled) HB-1: 8" Ferrite Magnet, Urethane Surround
Impedance	H-1, H-2: Direct 4 Ω H-3, HB-1: Direct 8 Ω H-1, H-2, H-3: Transformer: 16 Ω H-1, H-2: 70.7 V Line: 12 W (420 Ω), 6 W (830 Ω), 3 W (1.7k Ω), 1.5 W (3.3k Ω) 100 V Line: 12 W (830 Ω), 6 W (1.7k Ω), 3 W (3.3k Ω) H-3: 70.0 V Line: 30 W (170 Ω), 15 W (330 Ω), 7.5 W (670 Ω), 3.75 W (1.3k Ω) 100 V Line: 30 W (330 Ω), 15 W (670k Ω), 7.5 W (1.3k Ω)
Sensitivity (1 W/1 m, 1/2 Space)	H-1: 85 dB SBL H-2: 88 dB SPL H-3: 89 dB SPL HB-1: 91 dB SPL
Power Handling Cont. Program	H-1: 90 W H-2: 120 W H-3: 150 W HB-1: 240 W
Cont. Pink Noise, 24 Hrs	H-1: 30 W H-2: 40 W H-3: 50 W HB-1: 80 W
Transformer (16 Ω , 70 V, 100 V Line):	H-1: 12 W H-2: 12 W H-3: 30 W
Frequency Response	H-1: 120 Hz to 20 kHz H-2: 100 Hz to 20 kHz H-3: 100 Hz to 20 kHz (-10 dB, 1/2 Space) HB-1: 45 Hz to 200 Hz (-10 dB, 1/2 Space)
Crossover Frequency	H-1, H-2: 5 kHz H-3: 4 kHz (LPF: -12 dB/octave, HPF: -18 dB/octave)
Dimensions (W x H x D)	H-1: 12.28" x 4.96" x 3.54" (312 mm x 126 mm x 90 mm) H-2: 10.55" dia. x 4.37" (288 mm x 111 mm) H-3: 11.6" x 12.5" x 5.1" (295 mm x 318 mm x 129 mm) HB-1: 16.93" x 21.42" x 5.32" (430 mm x 544 mm x 135 mm) HB-1 Cutout size: 14.2" x 18.9" (360 mm x 480 mm),
Weight	H-1: 3.31 lbs. (1.5 kg) H-2: 4.63 lbs. (2.1 kg) H-3: 7.3 lbs. (3.3 kg) HB-1: 24.25 lbs. (11 kg)

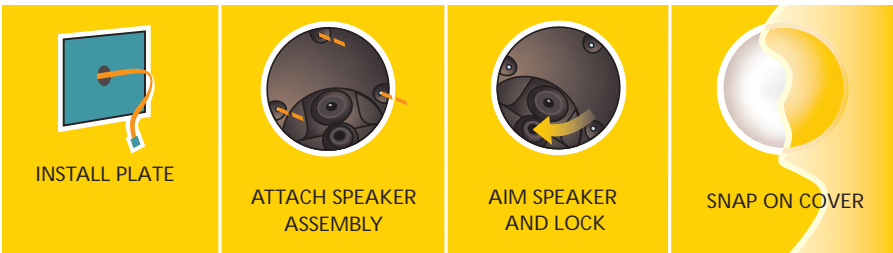
EASY TO INSTALL.
EASY TO AIM.
AND EASY ON
THE EYES.



Aim to optimize
delivery of
paging and BGM.

Paint grille
to match
your interior.

Install using
standard electrical
gang boxes.



LEGENDARY RELIABILITY

Ask anyone in commercial

audio. They'll tell you

TOA has an unmatched

reputation for building

rugged, reliable and

innovative products.

One look at the new

H Series speakers and

you'll see why.

TOA speakers are

engineered tough. They're

assembled with the high-

est quality components,

then tested and retested

to ensure an out-of-the-

box failure rate that's

virtually zero.



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The H Series

INTERIOR DESIGN
SPEAKERS
THAT HARMONIZE
WITH ANY
ENVIRONMENT

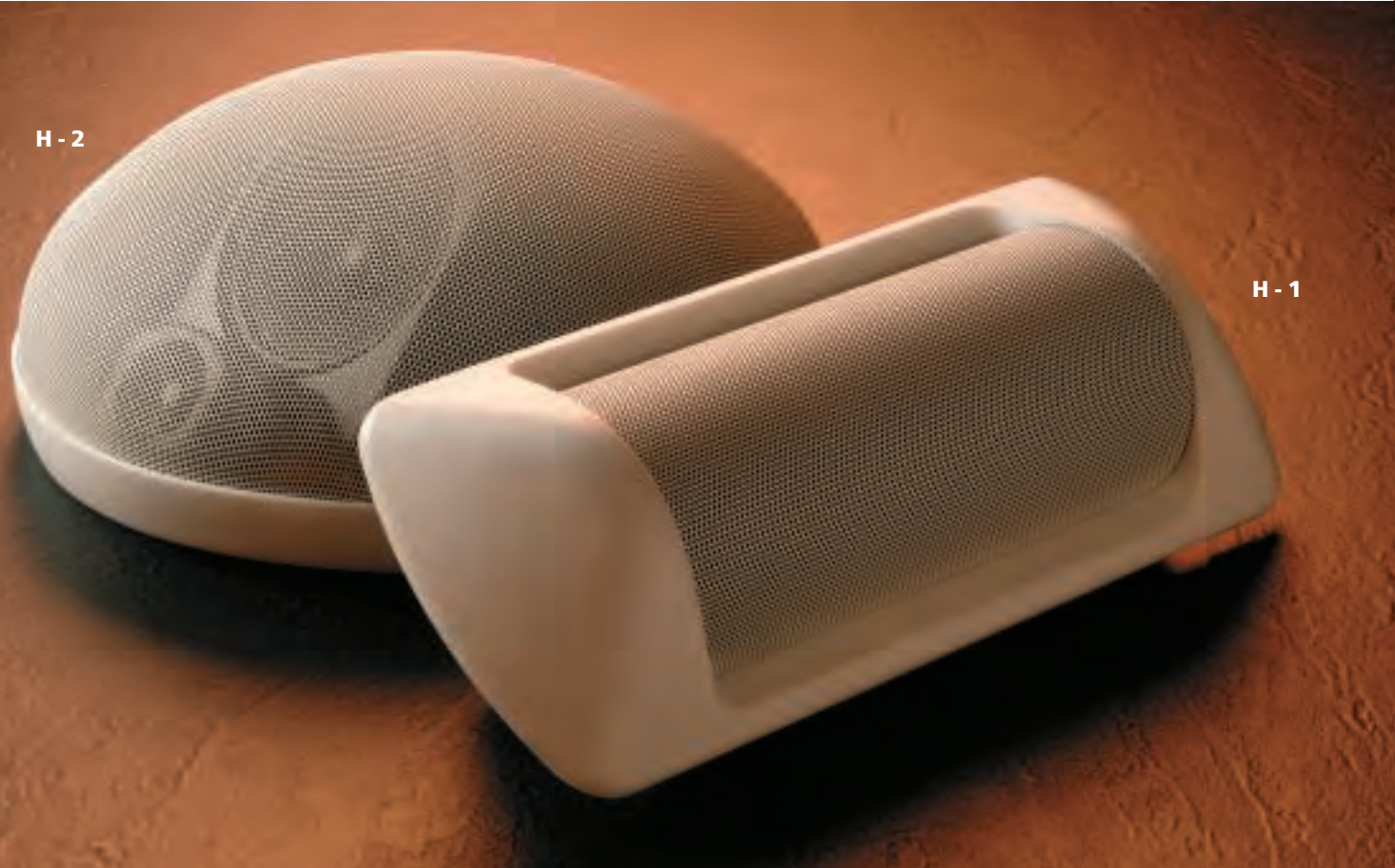


**DIRECTIONAL SOUND
OR DESIGN AESTHETICS?
NOW YOU CAN HAVE BOTH!**

THE BUILDING’S DESIGN calls for speakers that can be aimed, but the building’s architect is balking at ugly boxes and brackets. TOA has a solution. With our new H Series, we’ve taken a whole new approach to mounting speakers—we eliminated the brackets.

Our H-1 and H-2 are designed to be mounted into the wall or ceiling, then aimed to deliver quality sound exactly where you need it. And our new HB-1 subwoofer hides neatly between standard 16-inch-on-center wall studs. All H Series grilles are attractive, simple, and uncluttered, and can be painted to match—and disappear into—any architecture.

Does your installation require broad coverage? The H-3 *Wide Dispersion Model* offers 140° of horizontal coverage and mounts with a standard two-gang electrical box.



Offices, restaurants, stores, atriums, foyers, hallways, pew backs: H Series speakers are ideal for any environment where *both* sound quality *and* appearance are critical.

Balanced-dome tweeters and neodymium magnet cone woofers help the H-1, H-2 and H-3 deliver the crisp highs and clean low-end response you’ve come to expect from TOA.

Semi-flush mounting virtually eliminates the out-of-phase sound reflections that plague bracket-

mounted models. And all H Series speakers are optimized to take advantage of the low frequency boost that develops between 200 and 300 Hz due to half-space and quarter-space loading.

Simple to install. Easy to aim. Great quality sound. And a look that will please architects and designers everywhere. Call today for data sheets, or visit us at www.toaelectronics.com.

H Series EQ Modules are available for TOA 900 Series amplifiers. Please contact your nearest TOA dealer for details.



“Where can I hide the subwoofer?” With the HB-1, the answer is easy. With its clean, paintable grille it really does disappear into any decor. Need wide dispersion? Choose the H-3. It offers 140° horizontal coverage, plus that awesome TOA sound.

In some interiors, you just can’t get away with hanging exposed “box” speakers on wall-mount brackets. With TOA’s H Series speakers, you don’t have to.

**H SERIES
FEATURES
AT A GLANCE**

- Sleek and attractive, no brackets required
- Easy installation with standard electrical gang boxes
- Wall or ceiling mount
- H-1 and H-2 Speakers rotate within housings for flexible aiming
- Both Narrow and Wide Dispersion models for controlling sound coverage
- The H-1, H-2 and H-3 two-way designs feature balanced dome tweeters and Neodymium magnet cone woofers
- HB-1 features an 8” woofer with Ferrite magnet
- Paintable grilles blend into architecture
- Weatherproof models available
- 3 Year Warranty



Form vs. Function. They’re no longer in contention. TOA delivers both in these elegant H Series directional speakers.