




CAL CUSTOM APPLICATION LOUDSPEAKERS




When Sound Quality *Does* Matter.

Who said you have to sacrifice sound quality for the convenience and aesthetic appeal of architectural speakers? The same technologies that made NEAR® speakers a hit with demanding listeners is now available in a range of models for custom applications. So pull the wires, punch the holes, and **exceed your client's expectations** for sound.

MODEL		DESCRIPTION	COLOR
CAL8		2-way, high-performance, flush-mount, 8" metal LF, 1.1" Titanium HF <small>TEKNA </small>	White

MODEL		DESCRIPTION	COLOR
CAL6		2-way, high-performance, flush-mount, 6.5" metal LF, 1.1" Titanium HF	White

MODEL		DESCRIPTION	COLOR
CAL5		2-way, high-performance, flush-mount, 5.25" metal LF, 1.1" Titanium HF	White

THE LEADER IN METAL-ALLOY SPEAKER TECHNOLOGY

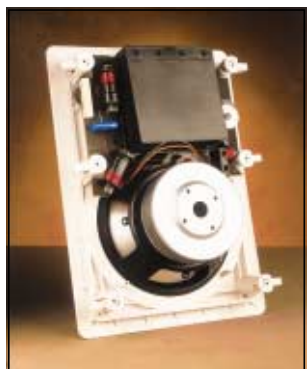


N·E·A·R®

SPECIFICATIONS

MODEL NUMBER	CAL8	CAL6	CAL5
DRIVERS	8" MDT mid/bass 1.1" Titanium HF	6.5" MDT mid/bass 1.1" Titanium HF	5.25" MDT mid/bass 1.1" Titanium HF
FREQUENCY RESPONSE	50 Hz - 20 kHz	60 Hz - 20 kHz	75 Hz - 20 kHz
POWER HANDLING	150 watts	100 watts	75 watts
IMPEDANCE	8 ohms	8 ohms	4 ohms
SENSITIVITY (1w @ 1m)	90 dB	88 dB	87 dB
FRAME DIMENSIONS (w x h x d) (in / cm)	10" x 14" x 3-1/2" 25.4 x 35.6 x 8.9	8-5/8" x 12" x 3-1/4" 21.9 x 30.5 x 8.3	7-1/2" x 11" x 2-7/8" 19 x 27.9 x 7.3
CUTOUT DIMENSIONS (w x h) (in / cm)	9" x 13" 22.9 x 33	7-1/2" x 11" 19 x 28	6-1/2" x 10" 16.5 x 25.4
WEIGHT (lb. / kg.)	10 / 4.5	8 / 3.6	7 / 3.2

NEAR TECHNOLOGIES



TEKNA SONIC

The top-of-the-line CAL8 features a vibration control unit (VCU) tuned to absorb low-frequency vibrations. This allows the large 8" woofer to deliver high levels of bass without generating harmful wall vibrations.

NEAR's MDT™ metal-alloy diaphragm is about as light as is physically possible - nearly the ideal massless piston. The benefits are immediately recognized in the musical accuracy, fine detail of sound, and ease of listening. Here is a summary of MDT benefits:

- High rigidity and low mass of metal versus traditional papers and plastics
- Extremely stable cone structure over long periods of time
- Fast transmission of sound through the diaphragm means low energy storage
- Special anodizing process creates a ceramic coating for increased stiffness
- Efficient heat-sinking of voice coils under long-term, high-power situations

In addition to MDT, another unique technology is incorporated into NEAR speakers: Magnetic Liquid Suspension (MLS™). MLS eliminates the traditional mechanical centering device (the "spider") for the voice coil and replaces it with a thick magnetic fluid that stays permanently suspended in the gap of the magnet, allowing the voice coil to remain centered and to operate with extreme linearity. In fact, the louder it plays, the more accurate the centering forces become. Here is a summary of MLS benefits:

- Voice coil is constantly centered as it moves up and down, for lower distortion
- Voice coil is more efficiently heat-sunked by fluid instead of air
- Greater linearity is accomplished because the mechanical spider is eliminated
- Constant lubrication of the gap prevents oxidation, even in outdoor uses
- Long-term operation is more consistent since fluid doesn't change characteristics
- Longer excursions with smaller diameter woofers; spiders limit excursions

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54-9228-01R3
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