

## CH-15T8 Re-entrant Horn Loudspeaker

The AudioTrak CH-15T8 is a compact, high-intelligibility, re-entrant-style horn loudspeaker. Used extensively in both indoor and outdoor paging systems, the CH-15T8 features weatherproof, vandal-resistant, all-metal construction.

Versatility is a standard feature of the CH-15T8 with its ability to handle 8-ohm, 25 and 70-volt inputs. Installation is a breeze with the standard omni-directional mounting base and screw terminal wire connections. With unmatched fidelity and easy-install option, the CH-15T8 is the smart choice in a paging horn.



Add an AudioTrak amplifier and microphone for a complete paging system.

### Features

- 8-ohm, 25 and 70-volt capable
- 15-watt horn
- Weatherproof
- Vandal-resistant, all-metal construction
- High intelligibility
- Talkback capability

# Specifications

## CH-15T8

Color	Beige, textured epoxy enamel
Housing Material	Metal
Power Rating	15 watts
Frequency Response	275 Hz to 6 kHz $\pm 6$ dB 200 Hz to 14 kHz $\pm 12$ dB
Sensitivity	110 dB at 1 watt, 1 meter
Impedance	8 ohms, 25 / 70 volts
Primary Taps	25 volts, 0.48 / 0.94 / 1.8 / 7.5 watts 70 volts, 0.9 / 1.8 / 3.8 / 7.5 / 15 watts
Dispersion	110 degrees
Terminations	Screw terminal
Swivel Mount	360-degree pan, 160-degree tilt
Mounting Hole Centers	2.16 inches; 55 mm
Dimensions:	
Housing Length	9.125 inches; 231 mm
Height	8.75 inches; 220 mm
Base	2.87 inches; 73 mm
Bell Dimensions	8.07 x 8.07 inches; 205 x 205 mm
Weight	56 oz; 1.58 kg

## Architectural and Engineering Specifications

The re-entrant-style paging horn shall be an AudioTrak model CH-15T8. The paging horn shall have a beige texturized epoxy enamel finish, and be of weatherproof, all-metal construction. The paging horn driver and transformer shall be enclosed in a waterproof gasket sealed enclosure. The unit shall be capable of connection to an 8-ohm direct input and come complete with a selectable multi-tap 25 / 70-volt transformer. The transformer shall provide the following 70-volt primary taps at, 0.9, 1.8, 3.8, 7.5, 15 watts and 25-volt taps at 0.48, 0.94, 1.8, 7.5 watts. Screw terminal connections shall be provided for the audio lines and impedance selection shall be done through an eight position, weather-sealed switch. The connections and impedance tap switch shall be covered with a plastic protective plate which shall simultaneously provide strain relief for the audio line. The unit shall provide a 110-degree dispersion angle and be capable of delivering 110 dB at 1 watt, 1 meter with an overall frequency response of 275 Hz to 6 kHz ( $\pm 6$  dB) and 200 Hz to 14 kHz ( $\pm 12$  dB.) The unit shall have the following physical dimensions: housing (L x H x W) 9.125 x 8.75 x 2.87 inches; 231 x 220 x 73 mm (at base) and a bell of 8.07 x 8.07 inches; 205 x 205 mm. Total weight for the paging horn shall be 56 oz; 1.58 kg.

