

# SOUND ADVANCE

## CT10

Wide-Dispersion Speaker for 8" Installations

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The Sound Advance® CT10 is a unique, extended bandwidth, wide-dispersion planar loudspeaker designed for use in commercial installations. Concealed mounting hardware results in a more discreet appearance than conventional speakers. Patented Planar Diaphragm Technology™ allows a CT10 that has been properly installed in a ceiling boundary to radiate sound in a 140° hemispherical pattern with smooth, even coverage. This dispersion characteristic allows CT10 speakers to be spaced farther apart than narrow-dispersion conventional speakers, reducing the total quantity of loudspeakers required in almost any installation. The CT10 is generally mounted into wood or metal stud ceilings or suspended ceiling tile systems, and will retrofit into almost all existing standard 10" diameter speaker openings. Mounting is by torsion springs, and optional tile bridge and backcan mounting accessories are available. An optional enclosure compensation module is also available, to restore bass performance when the CT10 is installed in a backcan. The flat Expanded PolyStyrene [EPS] loudspeaker surface may be finished with water soluble materials such as latex paints to match almost any decor or color requirement using conventional brush-on, roller or airless spray application systems. The CT10 is transformer-coupled, with the following taps: 0.5W, 1W, 2W, 4W, 8W, 16W, and 8-ohm bypass.

## Recommended Installations:

- Suspended ceilings
- Wood or metal stud ceilings
- Soffits and fascia
- Retrofit into almost all standard 8" speaker openings

## Recommended Environment:

- Indoor or weather-protected outdoor

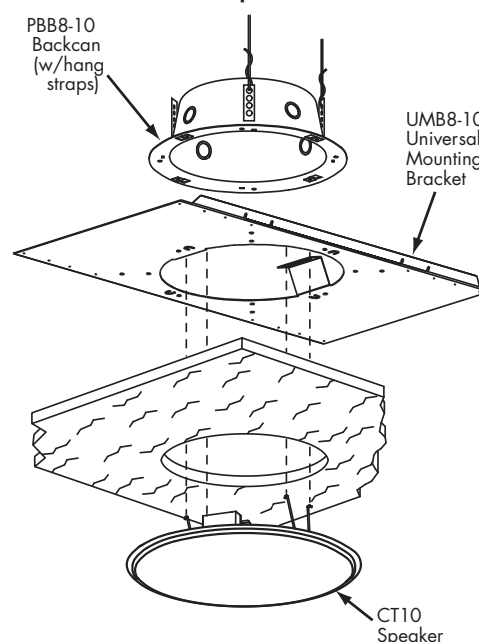
## Optional Accessories:

- PBB8-10:** Backcan for ducted air return ceilings  
12-1/4" Dia x 4-1/4" D (311mm x 106mm);  
10-1/4" Cutout Dia (260mm)  
1.7 lb (0.7kg)
- UMB8-10:** Universal mounting bracket for solid or suspended ceilings  
2.7 lb (1.23kg)
- ECS8-10:** Line-level enclosure compensation module for installations using the PBB8-10 backcan

## Performance Specifications:

**Radiating Surface:** 125 in<sup>2</sup> (806.5cm<sup>2</sup>) Planar Diaphragm (fits standard 8" diameter speaker openings)  
**Driver System:** 0.82 lb (0.37kg) Magnet with 1.02" (26mm) voice coil  
**Frequency Response:** 80Hz – 15kHz ±4dB  
**Power Rating:** 20 Watts RMS as per EIA standard RS-426-A  
**Pressure Sensitivity:** 94dB, 1W/1m  
**Maximum Output:** 106dB @ 1 meter  
**System Impedance:** 8 ohms nominal; 5.5 ohms minimum  
**Transformer Primary Voltage:** 70.7 Volts  
**Transformer Primary Taps:** 0.5, 1, 2, 4, 8, 16 Watts; 8 ohm bypass  
**Dimensions (Dia x D):** 13" x 2-3/8" (330mm x 60mm)  
**Product Weight:** 4.2 lbs. (1.9kg) each  
**Shipping Weight:** 6 lbs. (2.73kg) pair

## Installation Example:



## Warranty:

Sound Advance warrants the CT10 to be free of any defect in material of workmanship for a period of 5 years from the date of purchase. During the warranty period, Sound Advance will repair or replace (at its option) all such defects without charge for parts or labor, if returned prepaid to the proper Sound Advance service facility, together with the original sales receipt or other proof of purchase. The unit will be returned prepaid.