



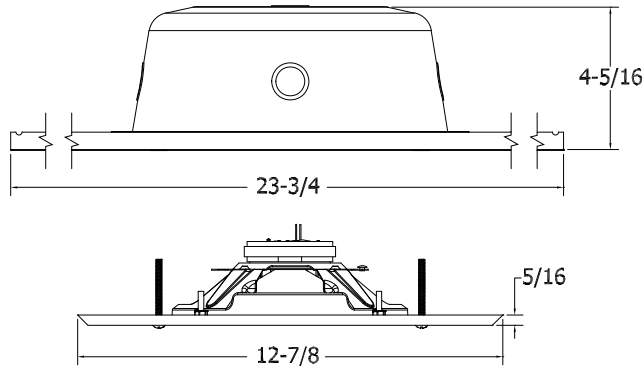
Quam

SOLUTION 1 8" Loudspeaker Assembly with Baffle, Back Can Universal Transformer and Tile Bridge

SOLUTION 2 8" Loudspeaker Assembly with Baffle, Back Can Universal Transformer, Tile Bridge and Volume Control

01**LOUDSPEAKER ASSEMBLIES**

0104.1 – INSTALLER PACKAGE For Lay-In Ceiling Tile Installations



EXPLODED VIEW FOR CLARITY
Baffle, speaker and transformer are assembled

GENERAL DESCRIPTION

The Quam SOLUTION 1 is the components required for a pair of completely assembled loudspeakers. Speaker/ dual-voltage transformer/ baffle is pre-assembled; additional labor and assembly required on site.

Quam SOLUTION 2– as above, with volume control in center of loudspeaker baffle. Adjustment by supplied knob or screw-driver adjust with knob removed.

Baffle finish: White baked epoxy hybrid.

Shipped as a complete pair in one carton

INTENDED USE

Indoor environment, downward-firing installed in a 24" wide drop-tile ceiling

Program Material: Paging and background music

SYSTEM COMPONENTS

Loudspeaker	8C10PAX
Transformer	TBLU-5W*, 25/70.7V, 5-taps at -3 dB levels
Baffle	BR8WS
Volume Control SOLUTION 2 Only	VC- Continuous
Back Can	ERD8U, UL Listed-UUMW
Tile Bridge Support	SSB-3

*5W, 2.5W, 1.25W, 0.63W, 0.31W

AUDIO SPECIFICATIONS

Speaker Size	8" frame loudspeaker
Average Sensitivity	95 dB-SPL, 1W/1M
Loudspeaker Power Rating	20W-RMS, EIA 426A Standard
Calculated Maximum System Output	102 dB-SPL, 5W/1M
Magnet Type, Weight	BeFe Ceramic, 10 oz. Nominal
Frequency Response:	60Hz - 17 kHz EIA 462A Standard
Nominal Coverage Angle	90° Included Angle, -6 dB / 2 kHz, Half space
Audio Connection	7" color-coded pigtailed, tinned and pre-cut
Electrical Access	5x 1/2"/3/4" conduit knock-outs spaced 90° apart, one on top

Recommended construction sequences, installation instructions and A&E Specifications are available in various formats on the Quam Architects' and Engineers' Resources CD or on the web at: www.quamspeakers.com

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SSB-3 Loudspeaker Assembly Support (Tile Bridge) for Ceiling Tile Installations
For all QUAM 8" Loudspeakers and others.

INTENDED USE:

Indoor environment, mounted parallel to floor plane in a 24" wide suspended ceiling tile grid.

Used with compatible round and square baffles with stud or screw mount; also suitable for torsion QUAM mount loudspeakers.

Select your installation option from the list below:

1. BACKBOX and ROUND or SQUARE Baffle Installation:

- Refer to back box instructions for details.

Complete Tile preparation and Baffle installation with either instructions #2 or #3

2. ROUND Baffle Installation without back can:

- Cut 8-1/2" square hole in tile using tile bridge as a template, see **LEFT HAND** diagram below.
- Position tile bridge on **TOP** of tile, legs like: **Λ**
- Bend 4x locator tabs around tile in opening
- Install speaker/baffle on opposite of ceiling tile and fasten to tile bridge/tile assembly with 4x #8-32 screws provided with speaker/baffle assembly.

3. SQUARE Baffle Installation without back can:

- Cut 8-1/2" square hole in tile using tile bridge as a template, with accessory cuts as shown in **RIGHT-HAND** diagram below to access formed threads.
- Position tile bridge on **TOP** of tile, legs like: **Λ**
- Bend 4x locator tabs around tile in opening
- Install speaker/baffle on opposite of ceiling tile and fasten to tile bridge/tile assembly with 4x #8-32 screws provided with speaker/baffle assembly.

Installation of a Torsion Mount Assembly:

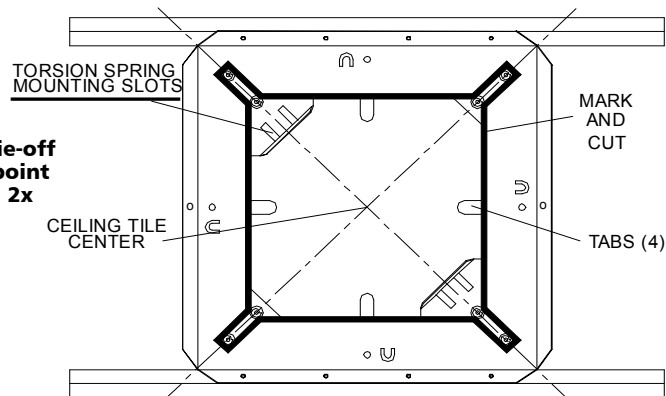
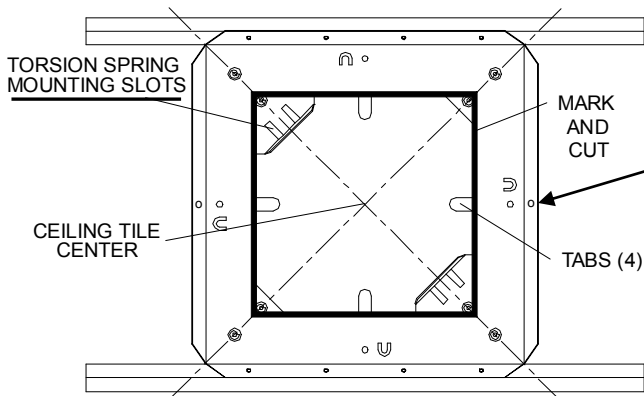
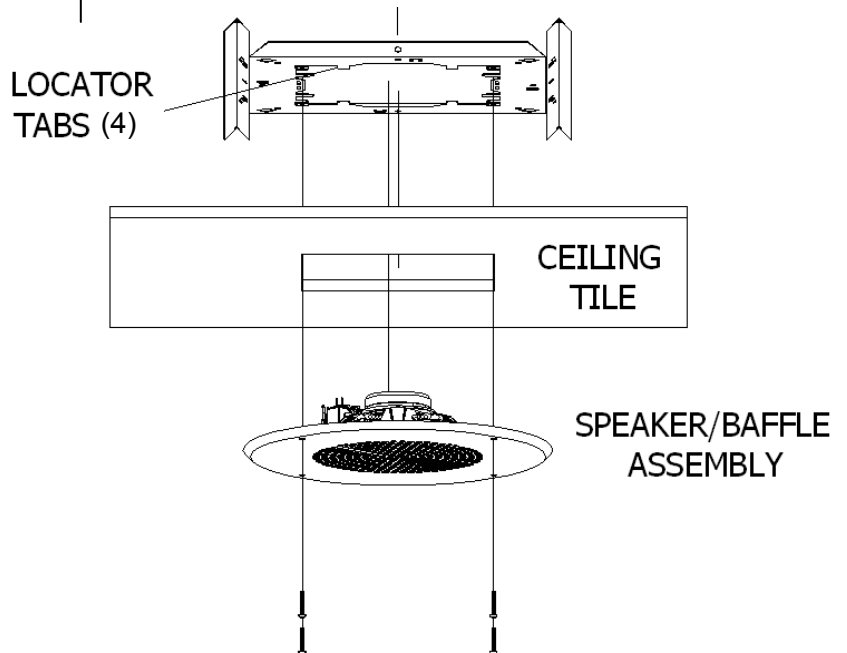
-Insert one spring leg into each rectangular opening of tile bridge. Press speaker baffle to front of ceiling tile.

- Refer to loudspeaker assembly for proper termination, or go to www.QuamSpeakers.com / Resources/ Wiring

- Insulate all unused taps from each other, the enclosure and electrical ground.

NOTE! AHJ/ local codes may require tie-off to structure. Tie-off to tile bridge frame using hole provided; see arrow on diagram.

NOTE! AHJ/ local codes may require tie-down to grid Create a hole in the T-bar next to the end of the tile bridge rails; secure with wire through the hole in the end of the



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