

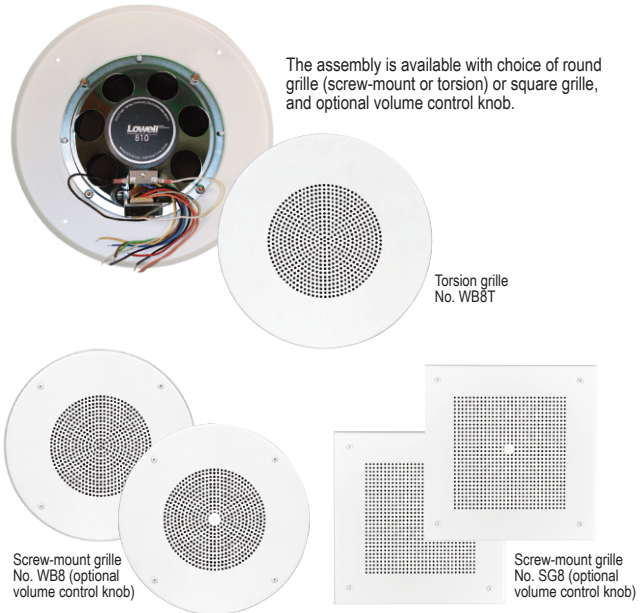
# Speaker/Xfmr/Grille Assembly: for paging & distributed music

## Description:

The R1810- and R7810-series of 8" 15W speaker assemblies are an excellent choice for general purpose paging and distributed music applications where economy and installed costs are prime considerations. Each assembly includes a factory assembled 8" dual cone driver with wired dual voltage transformer and white grille (several styles to choose from), and is manufactured to assure consistent performance with clear intelligibility and wide dispersion. Ships wired and ready for installation.

## Features:

- **Speaker (Model 810):** The 8" dual cone driver has a power rating of 15 watts RMS and a 10 oz. ceramic magnet. Cone is molded of a high fiber content material to provide smooth extended frequency response and a clean natural sound.
  - Frequency response: 47Hz - 20kHz ±6dB.
  - Dispersion: 120° @ 2000Hz-6dB.
  - Voice coil impedance: 8 ohms.
  - Sensitivity (1W/1M) 95dB avg., 100dB peak.
  - Depth (without transformer) 2.84"
  - Weight (without transformer) 2 lbs.
- **Transformer (Model TLM572):** wired dual voltage (25/70V) transformer has taps at .25, .5, 1, 2 and 5W.
- **Grille (select one):**
  - **WB8:** round screw-mount, perforated steel grille, 12.875" dia., white powder epoxy finish. Includes white screws. Optional volume control knob in center (hand or screwdriver adjustable).
  - **WB8T:** round torsion, perforated steel grille, 12.875" dia., white powder epoxy finish. Includes torsion springs.
  - **SG8:** square screw-mount, perforated steel grille, 11.44" sq., white powder epoxy finish. Includes white screws. Optional volume control knob in center (hand or screwdriver adjustable).



## A & E Specifications

The speaker assembly shall be Lowell Model \_\_\_\_\_. It shall include an 8" dual cone driver with wired transformer and mounted grille. The speaker shall have a 15 watt RMS power rating and shall employ a 10 oz. ceramic magnet and a molded high fiber cone. Frequency response shall be 47Hz - 20kHz ±6dB with a sensitivity of 95dB avg. (100dB peak) measured 1W/1M. The transformer shall be a factory wired 25/70V unit with primary taps at .25, .5, 1, 2, 5 watts. The grille shall be factory mounted to the speaker and shall be made of steel and have a white powder epoxy finish. (Optional: Grille shall include a volume control knob for hand or screwdriver volume adjustment.)

## Accessories (order separately):

Lowell offers a wide selection of backboxes for efficient installation of speaker assemblies into a variety of ceilings. T-bridges and channel rails are offered to distribute assembly weight in suspended ceiling installations.

## Accessories (order separately):

Model No.	Size	Features
<b>BACKBOX</b>		
CP84	11.938"Dia. x 4.063"D	Extended lip for sheetrock
CP87	11.938"Dia. x 6.687"D	Extended lip for sheetrock + batting
CP810	11.938"Dia. x 10.063"D	Extended lip for sheetrock + batting
DX58	11.938"Dia. x 11.938"D	0.5 cu.ft., extended lip + batting
DX108	15"Dia x 10.125"D	1 cu.ft., extended lip + batting
RF841	10.063"Dia. x 4.063"D	Retrofit w tension brkt. + torsion
RF871	10.063"Dia. x 6.688"D	Retrofit w tension brkt. + torsion
XCP84	10.063"Dia. x 4.063"D	Flat flange for tile ceiling
XCP87	10.063"Dia. x 6.687"D	Flat flange for tile ceiling + batting
XCP810	10.063"Dia. x 10.063"D	Flat flange for tile ceiling + batting
8PSBX	10"Dia. x 4"D	Plastic (stackable for warehousing)
8XD4	10"Dia. x 4"D	Steel (stackable for warehousing)
P68X	10"Sq. x 4"D	Standard
P68X-6	10"Sq. x 6"D	Extra depth
P68X-10	10"Sq. x 10"D	Extra depth
CB84-SG	11.5"Sq. x 4"D	Surface, white
<b>T-BRIDGE &amp; CHANNEL RAILS</b>		
LBS8-CP	23.75"L Round opening for CP-series and DX108 backboxes	
LBS8	23.75"L Square opening with screw	
LBS8-R1	23.75"L Round opening with screw	
SS-24	23.75"L Channel rails (pair)	

*NOTE: For applications that don't use a backbox, a mounting ring may be needed. Assemblies with round grille WB8 will accept mounting ring No. PR8-1624 (with ears) or RMP8. Torsion grille WB8T and square grille SG8 will not accept a mounting ring. Do not use tile bridge No. LBS8 with R7810-72 or R7810-72-VC. Lowell includes mounting bolts with speaker grilles and assemblies only (not with tile bridge). Installer will need to supply (4) 8-32 bolts to mount to t-bridge.*

Assembly Model No.	Speaker / Driver	Transformer	Grille Style	Volume Control Knob	Optional Backbox*	Optional T-bridge or Rails
R1810-72	8" 15W	25/70V	WB8 (round)	---	CP8-series, DX58, DX108.....LBS8-CP or SS24 rails	
R1810-72-VC	8" 15W	25/70V	WB8 (round)	Yes	XCP8-series, 8XD4, 8PSBX.....LBS8 or LBS8-R1	
					RF-series (blind mount) .....none required	
					No backbox.....LBS8 or LBS8-R1	
RT1810-72	8" 15W	25/70V	WB8T (round torsion)	---	XC8P-series.....LBS8-R1	
					RF-series (blind mount) .....none required	
R7810-72	8" 15W	25/70V	SG8 (square)	---	P68-series.....SS24 rails**	
R7810-72-VC	8" 15W	25/70V	SG8 (square)	Yes	CB84-SG (surface mount) .....none required	

\* For applications that don't use a backbox, a mounting ring may be needed. Assemblies with round grille WB8 will accept mounting ring No. PR8-1624 (with ears) or RMP8. Note that torsion grille No. WB8T and square grille No. SG8 will not accept a mounting ring.

\*\* Do not use tile bridge No. LBS8 with R7810-72 or R7810-72-VC.