



Description

Lowell DX198 professional acoustic backbox is designed for distributed 8" speaker systems that require sound reinforcement of the highest quality. It has been carefully engineered to provide systems designers with the benefits of a large universally accepted metal enclosure plus the acoustic characteristics associated with 3/4" thick plywood or particle board. This high quality, 1.042 cu.ft. backbox allows the 8" speaker (order separately) to operate at its optimum loading level, providing the system with improved low frequency response.

Model DX198 is a rigidly braced structure fabricated of welded, unitized heavy gauge steel with damping to eliminate acoustical and mechanical resonances. The inner walls of the backbox are lined with a 1/2" thick acoustical fiberboard to prevent sympathetic vibrations within the expanse of the cavity. Additionally, inside surfaces are lined with a 1-1/2" thick premium acoustic lining with a density rating of 1-1/2 pounds to absorb undesirable resonance in the high frequency range.

Each unit is furnished with four combination 1/2" - 3/4" conduit knockouts and two sets of slotted tabs welded on parallel sides to facilitate mounting with optional Lowell Model SS30 channel rails (order separately). Slotted tabs may also be used as seismic anchor points where required by code. The grille mounting flange projects .437" for efficient installation in plaster, poured

concrete, sheetrock, or suspended tile ceilings. The flange includes 8-32 screw retaining U-clips to accept Lowell 8" speaker grille Models FW-8, IC-105, or JG-8X (order separately). The backbox is finished in Lowell's durable black powder epoxy.

Lowell also offers ready-to-install iMount™ speaker systems with large volume lined backbox, 1/4"-20 forged eyebolts and choice of factory mounted 100W or 50W driver with loudspeaker/xfmr leads accessible through a 4' x 4" plate. See iMount™ rectangular and cylindrical systems.

A & E Specifications

The recessed acoustic backbox for 8" speakers shall be Lowell Model DX198. It shall be fabricated of 18 gauge steel that is heavily damped to eliminate acoustic and mechanical resonance. The inner walls shall be lined with 1/2" thick acoustic fiberboard and 1-1/2" thick acoustic lining. The backbox shall measure 15"Sq x 8"D with an internal volume of 1.042 cu.ft.. It shall be furnished with four 1/2" - 3/4" knockouts for conduit and have two sets of slotted tabs welded on parallel sides to facilitate channel mounting or seismic anchoring. It shall be finished in black powder epoxy and mount Lowell grille Model ____ (FW-8, IC-105, JG-8X). It shall mount 8" driver Model _____. For suspended ceiling applications, channel rail Model SS30 may also be specified.

Backbox Specifications and Companion Mounting Accessories

Model	Speaker Size*	Backbox Size (see p.2)	Features	Mounts Grille (order separately)
DX198	8"	15"Sq. x 8"D	1.042 cu.ft., Extended lip, 1.5" thick batting + fiberboard	FW-8, IC-105, JG-8X

* Lowell offers a wide selection of 8" drivers with optional transformer for distributed voice paging and music. Selection includes Model CT830 (20W coaxial), CT8320 (25W coaxial), 8A50 (50W coaxial) and high power Models 8P100 (100W coaxial compression) and 8S100 (100W subwoofer). Note: transformers for high power Models 8P100 and 8S100 do not mount directly to the 100W driver and will need to be field fitted to the backbox.



DX198

Rectangular 1 cu.ft. Acoustical Backbox for 8" Speakers

A U D I O

12"/10"
Speakers & Accessories

8"
Speakers & Accessories

6"
Speakers & Accessories

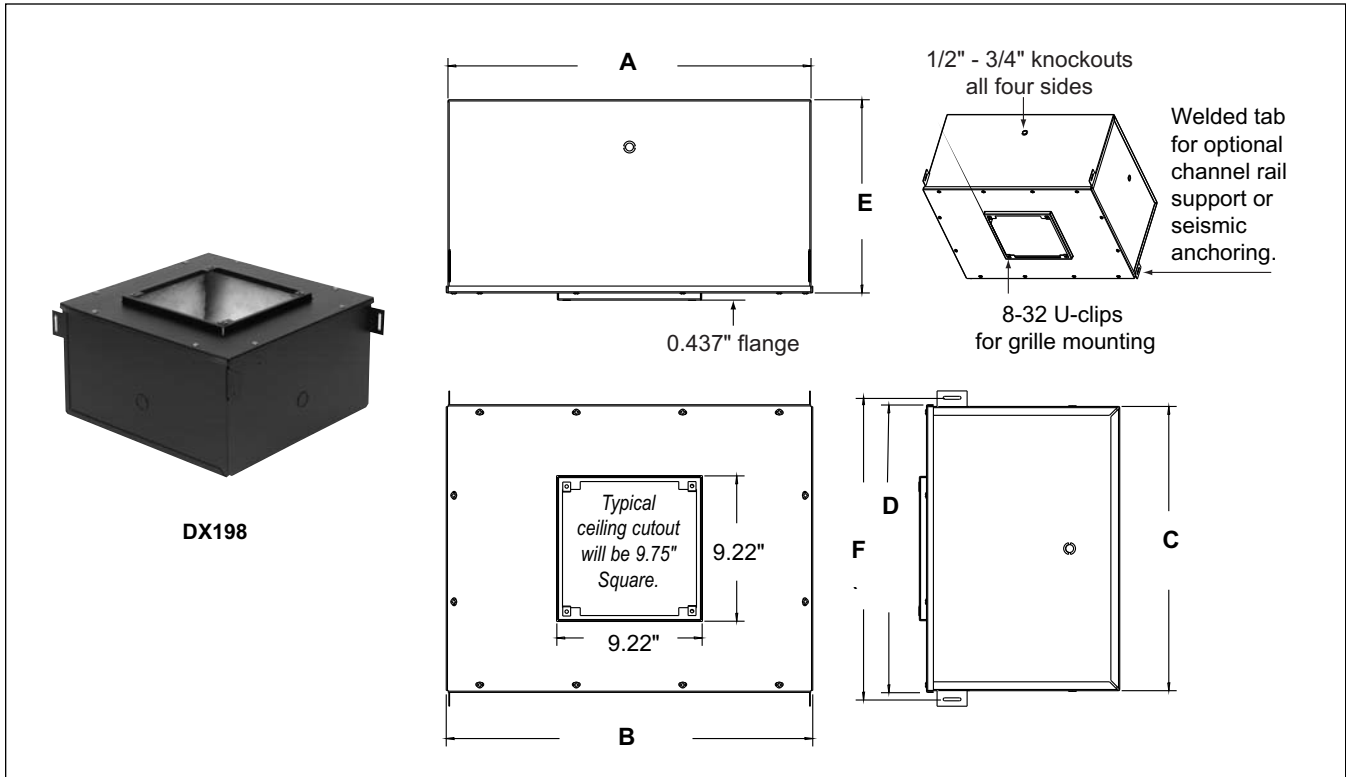
4"
Speakers & Accessories

Horn
Speakers & Accessories

Masking
Speakers & Generators

Control
Accessories & Electronics

Backboxes - Recessed

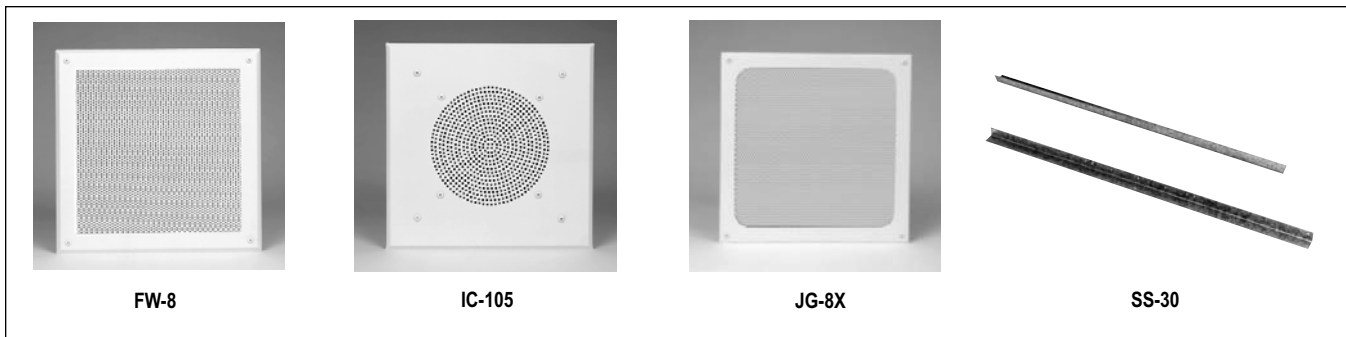


Backbox Details

Model	Speaker Size*	Backbox Size	A	B	C	D	E	F	Volume	Mounts Grille (order separately)
DX198	8"	15" Sq. x 8"D	15"	15.5"	15"	15.5"	8"	16.125"	1 cu.ft.	FW-8, IC-105, JG-8X

* Lowell offers a wide selection of 8" drivers with optional transformer for distributed voice paging and music. Selection includes Model CT830 (20W coaxial), CT8320 (25W coaxial), 8A50 (50W coaxial) and high power Models 8P100 (100W coaxial compression) and 8S100 (100W subwoofer). Note: transformers for high power Models 8P100 and 8S100 do not mount directly to the 100W driver and will need to be field fitted to the backbox.

Companion accessories for backbox Model DX198 (order separately)



Grille Details

Grille Model	Speaker Size	Grille Size	Visible Screws	Speaker Mount	Material	Color	Backbox Choices (Choose one, plus tile bridge or rails if required)	+	T-Bridge or Rails (if required for suspended ceilings)
FW-8	8"	13" Sq.	4	Screws/subplate	Steel	White			
IC-105	8"	11.375" Sq.	8	Screws	Steel	White	DX198		SS30 Channel rails
JG-8X	8"	12.375" Sq.	4	Screws/subplate	Steel	White			