

BOGEN®

1ft. x 2ft.

MODULAR

2ft. x 2ft.

DROP-IN CEILING SPEAKERS

NEW!!
INSTALLS
FAST & EASY

MCD-Series: Modular Drop-In Ceiling Speakers MCD1X2U & MCD2X2U Assemblies

Unique Modular Design is Economical and Easy to Install

Bogen's MCD-Series Speakers were designed to offer installers a low-cost alternative drop-in ceiling speaker. The speakers come in two parts, speaker module and grille, which are easily assembled by the installer. Wire connections can be made to the speaker module either before or after placement in the ceiling. The assemblies will fit into 2' x 2' and 2' x 4' ceiling grids. For 2' x 4' grid installs, a single cut to a ceiling tile is required, and the supplied tile support rail can be used.

Speaker Module: Model MCDMOD

This compact module is a component of your speaker assembly. The fully-enclosed speaker module has a 4-1/2" full-range speaker with a secondary high-frequency radiator. Wide coverage angles of 120 degrees produce a broad sound field for even coverage throughout the listening area. A rotary switch easily allows for power tap settings of 4, 2, 1, 0.5, and 0.25 watts. For use with 70V and 25V systems.

Ceiling Grilles: MCD1X2UGRILLE & MCD2X2UGRILLE

There are two grille options: The MCD1X2UGRILLE measures 1' x 2' and the MCD2X2UGRILLE measures 2' x 2'. Both can be placed in either 2' x 2' or 2' x 4' tile grids, with the use of an included separate tile support rail. Each ceiling grille has a bright-white, powder-coated finish, is constructed of industrial grade steel, and includes 3 seismic attachment points. The MCDMOD speaker module simply snaps into place over the perforated portion of the grille.

How To Order

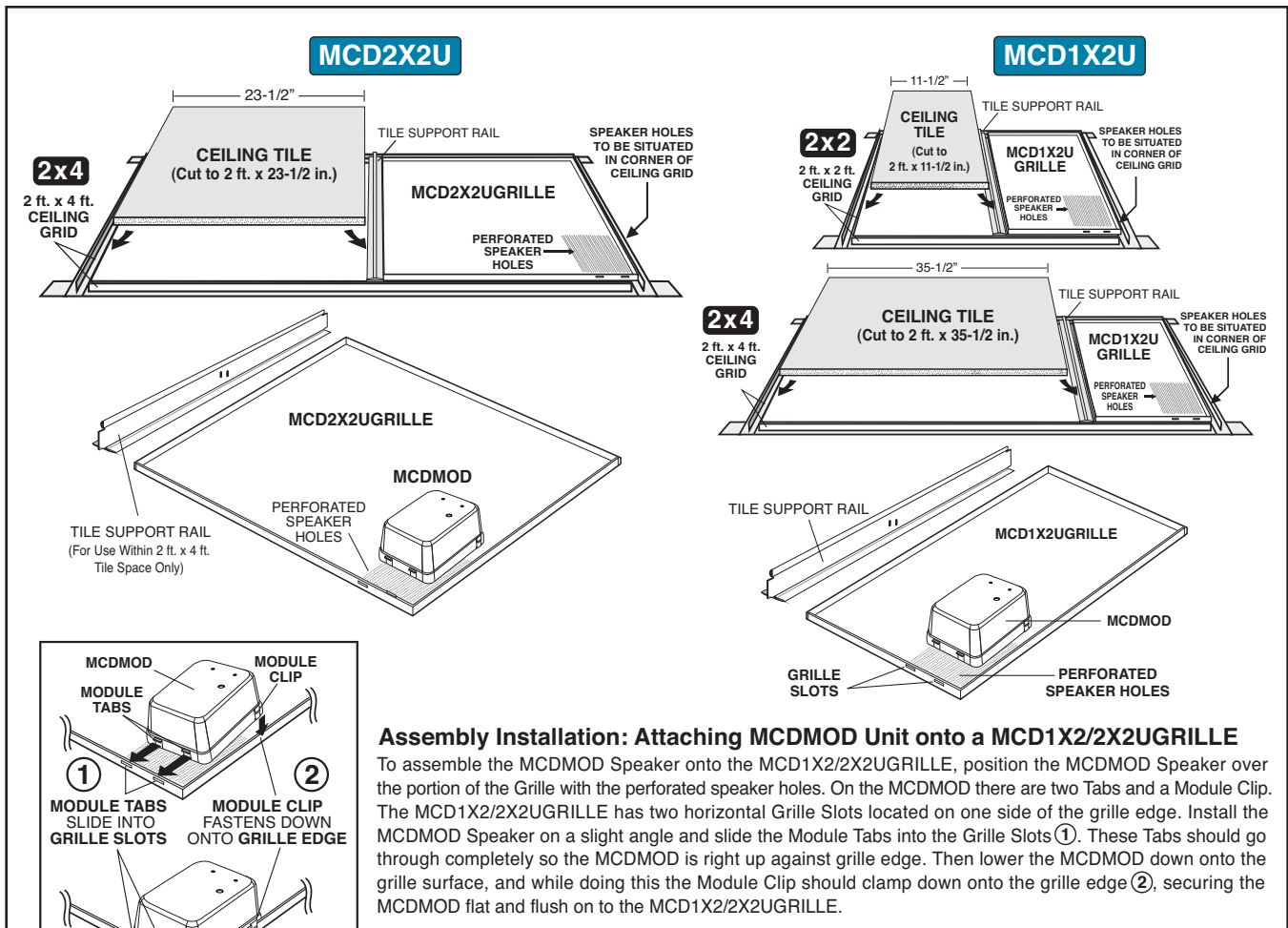
For your convenience, speaker modules and ceiling grilles can be ordered as follows with a single model number:

MCD1X2U: MCDMOD speaker module and a 1' x 2' ceiling grille.*

MCD2X2U: MCDMOD speaker module and a 2' x 2' ceiling grille.*



Drop-In Ceiling Speakers: MCD1X2U & MCD2X2U (assembled)



Assembly Installation: Attaching MCDMOD Unit onto a MCD1X2/2X2UGRILLE

To assemble the MCDMOD Speaker onto the MCD1X2/2X2UGRILLE, position the MCDMOD Speaker over the portion of the Grille with the perforated speaker holes. On the MCDMOD there are two Tabs and a Module Clip. The MCD1X2/2X2UGRILLE has two horizontal Grille Slots located on one side of the grille edge. Install the MCDMOD Speaker on a slight angle and slide the Module Tabs into the Grille Slots ①. These Tabs should go through completely so the MCDMOD is right up against grille edge. Then lower the MCDMOD down onto the grille surface, and while doing this the Module Clip should clamp down onto the grille edge ②, securing the MCDMOD flat and flush on to the MCD1X2/2X2UGRILLE.

SPECIFICATIONS

Frequency Response 160 Hz - 10.5 kHz
 SPL (@ 1W / 1m 70V input) 85 dB
 Power Taps 4, 2, 1, 0, 0.5, 0.25 watts
 Dispersion @ 2 kHz (6 dB down) 120°
 Speaker Cone Material Paper
 Cone Surround Material Dampened Paper
 Cones 4.5" Dual Radiator
 Connection via wire nuts (included)

Dimensions

MCDMOD 5-3/4" W x 3-1/2" H x 6-3/4" D
 MCD1X2UGRILLE: 11-7/8" W x 5/8" H x 23-3/4" D
 MCD2X2UGRILLE: 23-3/4" W x 5/8" H x 23-3/4" D
 MCD1X2U (assembled): 11-7/8" W x 3-1/2" H x 23-3/4" D
 MCD2X2U (assembled): 23-3/4" W x 3-1/2" H x 23-3/4" D

Product Weight

MCDMOD 2.5 pounds
 MCD1X2UGRILLE: 2.5 pounds
 MCD2X2UGRILLE: 4.5 pounds
 MCD1X2U (assembled):5 pounds
 MCD2X2U (assembled):7 pounds

70V and 25V Compatible.

Plenum-Rated and Listed to UL Standard 1480 for U.S. only.

Both models listed to UL standard 1480 for the US, and 60065 for the US and Canada.

Architect and Engineer Specifications

The speaker shall be a Bogen Model MCD1X2U or MCD2X2U Modular Drop-in Ceiling Speaker, which shall consist of a speaker module and a 1' x 2' or 2' x 2' grille, which are easy to assemble and install in suspended ceiling grids. The speaker module (Model MCDMOD) is fully enclosed, and contains a 4.5" dual radiator speaker cone. The 1' x 2' grille (Model MCD1X2UGRILLE) and the 2' x 2' grille (Model MCD2X2UGRILLE) shall be constructed of industrial grade steel.

Frequency response shall be 160 Hz to 10.5 kHz. Input sensitivity shall be 85 dB @ 1W/1m. The speaker module shall have a black finish. The speaker grille shall have a non-reflective, bright white finish on metal. It shall have 3 integrated seismic attachment points. Dispersion shall be 120 degrees.

Assembly shall be made by snapping the speaker module into place on the ceiling grille. Wire connections are made to the speaker module via wire nuts, and can be connected either before or after placement in the ceiling.

The speaker assembly shall fit into 2' x 2' and 2' x 4' ceiling grids. A tile support rail shall be included for use with the MCD1X2UGRILLE in either 2' x 2' or 2' x 4' ceiling grids and with the MCD2X2UGRILLE in 2' x 4' ceiling grids. When using the MCD1X2UGRILLE in 1' x 2' ceilings or the MCD2X2UGRILLE in 2' x 2' ceilings, the tile support rail shall not be required and no cuts to the ceiling shall be necessary.

The speaker module shall measure 5-3/4" W x 3-1/2" H x 6-3/4" D and shall weigh 2.5 pounds. The 1' x 2' grille shall measure 11-7/8" W x 5/8" H x 23-3/4" D and shall weigh 2.5 pounds. The 2' x 2' grille shall measure 23-3/4" W x 5/8" H x 23-3/4" D and shall weigh 4.5 pounds.