

CM20DT CEILING MOUNT DESIGN LOUDSPEAKER

The CM20DT is a 2-way 70 V/100 V, 16-ohm built-in design ceiling loudspeaker. The loudspeaker has a 6.5" woofer, a 1" coaxial tweeter and a high quality 70 V/100 V volt loudspeaker line transformer with multiple power taps.

CM20DT is the perfect choice for the distribution of microphone calls and background music. The mounting frame is made of high quality ABS. The steel grille is kept in place by strong magnets.



Safety Instructions

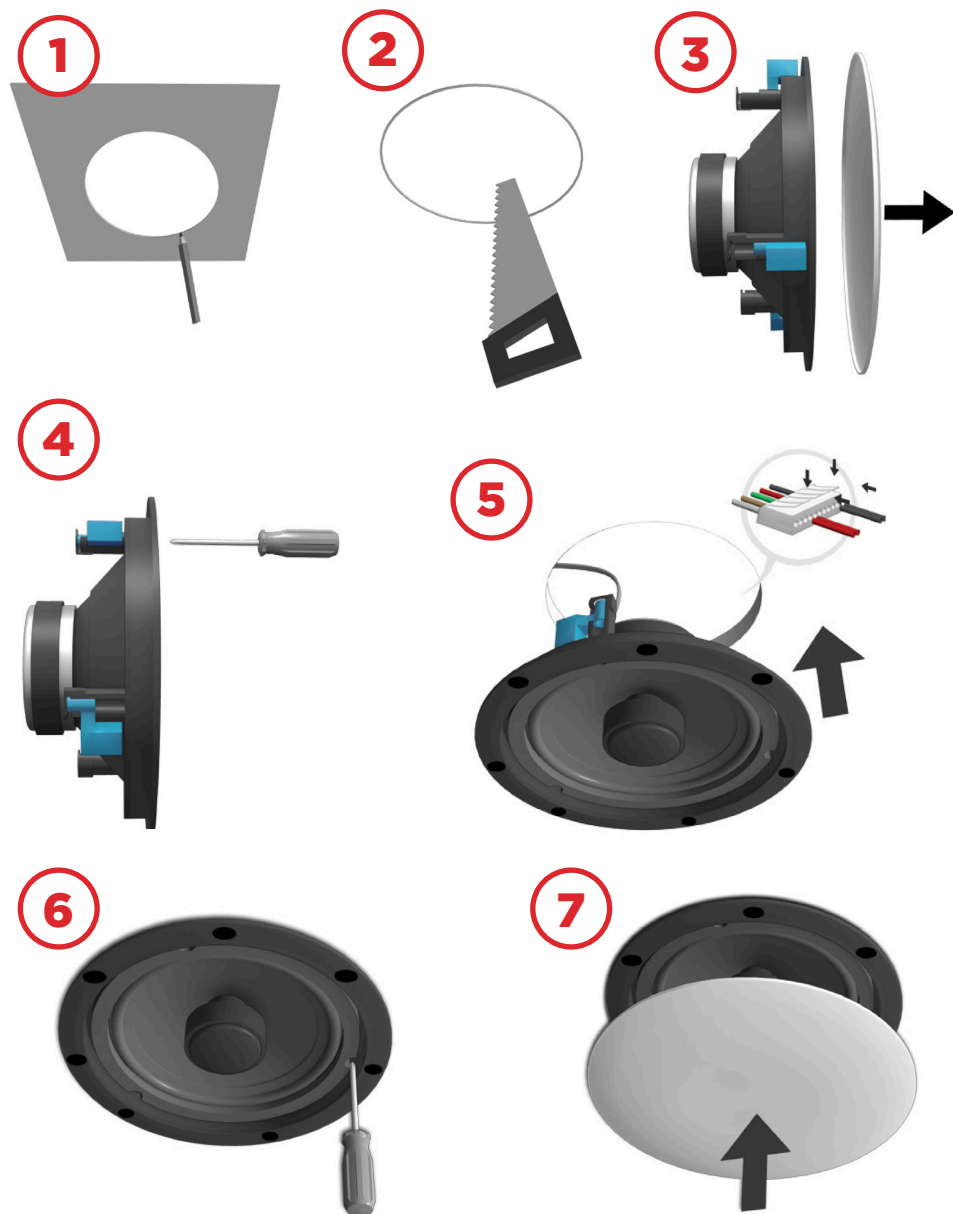
- Keep this manual for future reference.
- When cutting the mounting hole for the speaker, make sure there is sufficient clearance behind the panel (no obstructions like A/C channels, power lines etc).
- Take care of your speaker wires, they should be free of damage. Damaged speaker wires might result in poor sound quality and can damage amplifiers.
- Only use accessories specified by the manufacturer.
- Make sure the mounting panel can support the speakers weight.
- Use sufficient amount of speakers to avoid dead spots.
- Connecting mains power to the loudspeaker will cause serious damage.
- This apparatus should only be serviced by qualified personnel. If not, warranty might be void.
- Use cable of the right gauge, especially for long runs.
- Use cables with clear color indication and maintain polarity throughout the whole system.
- Avoid loud feedback from microphones. This can damage your speaker.
- Please check the units condition after unpacking. If the outside of the carton box has been damaged, inform your shipper immediately.

INSTALLATION

The loudspeaker is easy to install, due to its simple mounting system.

1. Use the cutout template to mark the mounting hole.
2. When making the hole in your mounting panel, double check if there are no cables or any other obstructions behind the mounting panel. Cutting the mounting panel without this check might result in damaged infrastructure or power lines. Please make sure that the mounting structure is capable of safely supporting the speaker's weight.
3. Remove the speaker grille.
4. Turn the dog-ears inwards and tighten the dog-ear screws slightly to make them stay in the inward position.
5. Connect the speaker wires and insert the speaker in the precut speaker opening.
6. Fasten the dog-ear screws carefully until the speaker sits safely in place. Do not overtighten the dog-ear screws.
7. The speaker grille is held in place by powerful magnets.

NOTE: for use in low impedance systems, always disconnect the 70 V/100 V transformer and connect the low impedance speaker wires directly at the loudspeaker.



TECHNICAL SPECIFICATIONS

Outside diameter	210 mm
Depth	80 mm
Cutout	186 mm
Loudspeaker system	2-way
Woofer size	6.5 inch
Woofer cone material	Polypropylene
Tweeter size	1 inch
70 V power taps	20 V - 10 V - 5 V - 2.5 V
100 V power taps	20 V - 10 V - 5 V

Mounting system	3 screws
Impedance	16 Ω
Low impedance continuous power	30 W
SPL 1 W@1 m	86 dB
Max SPL@1 m	104 db
Frequency response	60 Hz - 20 kHz
Main construction material	ABS plastic
Grille main material	Steel

IP rating	50
Applicable low impedance	Yes
Applicable in 70 V/100 V	Yes
Dispersion angle 1000 Hz	180°
Min / max ceiling thickness	3 mm - 27 mm