CMX20T

The Apart CMX20T is a 2-way 100V/70V/16 ohm built-in ceiling loudspeaker. The loudspeaker has a 8" woofer, a 1" coaxial tweeter and a high quality 100/70 volt speaker line transformer with multiple power taps. CMX20T is the perfect choice for the distribution of microphone calls and background music. The mounting frame is made of high quality ABS. CMX20T is available in black and white.

Safety precaution

- 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.
- No mains power shall be connected to the loudspeakers, doing so will damage the speaker.
- This apparatus should only be serviced by qualified personnel. If not warranty might be void.
- Use cable of the right gauge, certainly 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.

Warranty info

Warranty claims and claims for hidden defects can be considered only if the defects appear within the warranty period of 24 months and are notified within 8 days following their appearance per registered letter. The warranty is not valid in case of an incident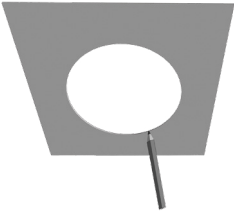, wear, for moving parts, power surges, inadequate packing or shipping, improper use or storage and the disregard of recommendations of Audioprof. The warranty only concerns the spare parts and not the involved labor, transportation or any other costs. The product must be returned in the original packaging with the proof of purchase by an Audioprof authorized reseller.

The general terms and conditions can be found here:
http://www.apart-audio.com/conditions/General_Terms_and_Conditions_Audioprof.pdf
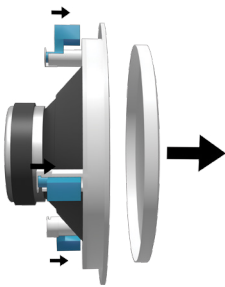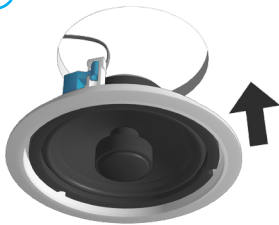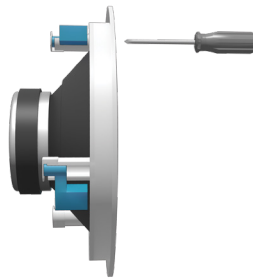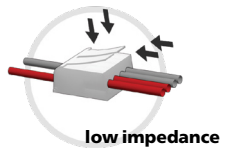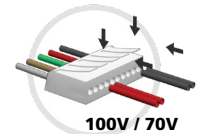
Mounting the loudspeaker

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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: turn the mounting clamps (dog-ears) outwards and push them in the direction of the grille until it pops out. Remove the grille.

(4) Turn the dog-ears inwards again and tighten the dog-ear screws slightly to make them stay in the inward position.

(5) Connect the speaker wires and **(6)** insert the speaker in the precut speaker opening.

(7) Fasten the dog-ear screws carefully until the speaker sits safely in place. Do not overtighten the dog-ear screws!

(8) Carefully push the grille back in place.

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

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100V / 70V

low impedance

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outside diameter	244 mm	low impedance dynamic power	100 watts
depth	87 mm	SPL 1W/1m	88 dB
cutout	223 mm	max SPL 1m	108 dB
loudspeaker system	2-way	frequency response	50 - 20 kHz
woofer size	8 inch	main construction material	ABS plastic
woofer cone material	polypropylene	grille main material	aluminium
tweeter size	1 inch	IP rating	54
mounting system	3 screws	applicable low impedance	yes
100/70V* power taps	20 - 10 - 5 - 2.5* watts	applicable in 100V / 70V	yes
impedance	16 ohms	dispersion angle 1000 Hz	180°

*2.5W: 70 volt only