



CT2



FEATURES

- High output capability with low distortion
- Compact trapezoid enclosure with integral flying fittings
- High power proprietary 12" coaxial drive unit
- Rugged plywood construction with steel protective grille
- Controlled dispersion with coherent point source imaging

APPLICATIONS

- Music playback in discotheques
- Theatre installations
- Live club sound reinforcement
- Audio-visual presentations
- Instrument and side-fill monitoring

ADDING SUB-BASS

To enhance low frequency output for extended range applications, the **CT2** can be supplemented by the Martin Audio CTX sub-bass system. The Martin MX2 System Controller can be configured in its bi-amp mode to provide the appropriate sub-bass output.

The **CT2** is a 2-way passive trapezoid loudspeaker system designed for professional applications where both compact size and high output are required. It is extremely efficient and combines superior dynamic performance with smooth natural reproduction.

Ideal as a stand-alone system for theatre and audio-visual use, it is also particularly well suited to music playback in discotheques - especially when used with the Martin CTX sub-bass system. For larger scale sound reinforcement, it can be arrayed in multiples to form compact side and centre clusters with predictable performance characteristics.

The **CT2** features a proprietary 12" coaxial drive unit with separate low and high frequency magnet systems. The coaxial configuration eliminates off-axis response discrepancies caused when drive elements are spaced apart and ensures perfect integration of low and high frequency sections in the important crossover region.

It is intended to be used in conjunction with the MX2 System Controller which maximises its bandwidth and output in all modes of operation and protects the drivers from damage.

To simplify installation, steel inserts are fitted in the enclosure for the fixing of rigging hardware and suspension yokes. Certified flying accessories are available for the construction and angling of multiple arrays.

EQUALISATION

The CT2 with the MX2 System Controller exhibits essentially flat on-axis and power response, making additional equalisation unnecessary for most applications.

External equalisation may be beneficial where room equalisation is desired. Multiple arrays may also require equalisation to compensate for the low frequency gain of multiple enclosures.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker system shall be of the two-way type consisting of one 12" reflex loaded low frequency transducer and one coaxially mounted high frequency compression driver mounted in a trapezoid plywood enclosure.

Low and high frequency sections shall be integrated by an internal 1.5kHz passive network. The speaker system shall operate with a separate electronic system controller.

Performance of the loudspeaker system combined with the controller shall meet or exceed the following criteria:

Frequency response measured 1 metre on axis shall be 55-18,000Hz +/- 3dB

High frequency dispersion at -6dB points shall be 75° H x 40° V

Power handling shall be 150 Watts R.M.S. 300 Watts programme
Rated impedance shall be 8 Ohms

Maximum SPL measured at 1 metre on-axis shall be 119dB

Dimensions 390mm x 520mm x 360mm (15.5ins x 20.5ins x 14ins)

Weight 25kg (55lbs)

The loudspeaker system shall be the Martin Audio CT2

SPECIFICATIONS

| | |
|---------------------------------|-------------------------------------|
| TYPE | Compact 2-way passive trapezoid |
| BANDWIDTH | 55Hz-18kHz +/- 3dB |
| DRIVER | Proprietary 300mm (12") coaxial |
| RATED POWER | 150W R.M.S.300W programme |
| RECOMMENDED AMPLIFIER | 400-550W into 4 Ohms |
| SENSITIVITY (1) | 98dB 1 Watt/1 metre |
| MAXIMUM SPL (2) | 119dB continuous, 125dB peak |
| IMPEDANCE | 8 Ohms nominal |
| DISPERSION (-6dB POINTS) | 75 degs horizontal 40 degs vertical |
| CROSSOVER | 1500Hz passive |

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|----------------------------|--|
| ENCLOSURE | 40 litre (1.4 cu.ft.) vented birch plywood construction |
| FINISH | Textured black paint |
| PROTECTIVE GRILLE | Perforated steel, black with 48% free air flow |
| CONNECTORS | XLR-3 type, 1 male, 1 female |
| FITTINGS | 9 x M8 flying bushes 1 x pole mounting socket (1.375 ins bore) |
| DIMENSIONS | (W) 390mm x (H) 520mm x (D) 360mm (W) 15.5ins x (H) 20.5ins x (D) 14.0ins |
| WEIGHT | 25kg (55lbs) |
| SHIPPING DIMENSIONS | (W) 485mm x (H) 640mm x (D) 450mm (W) 19.0ins x (H) 25.0ins x (D) 18.0ins |
| SHIPPING WEIGHT | 29kg (64lbs) |
| ACCESSORIES | CT2/CTX mounting pole, wall bracket, angle mount, vertical yoke, M8 eyebolt |

NOTES

1. Measured in half-space conditions at 1 metre with 2.83V input, using band limited pink noise.

2. Measured at 1 metre using band limited pink noise.

Trade Descriptions Act: Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining the state of the art sound reinforcement by combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.



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