

**M Series**

Compact

Multi Application

High Quality



- Coaxial Two way system
- One 15 inch Bass Driver  
One 1 inch compression driver
- Suitable for medium-power FOH and side fill applications
- Conical 90° waveguide
- Designed for high performance fixed installation
- OEM factory presets for approved digital processors

**Key Features**

The M15C coaxial series loudspeaker is fitted with a coaxial cone transducer. It features a coaxial point source in the transducer unit structure. This eliminates phase differences between high and low frequencies. And it provides no distortions due to distance and time differences among source points. Driven by the coaxial structure, the sound spreads in perfect sonic symmetry.

The loudspeaker's high-frequency section comprises a 1-inch diaphragm compression driver coaxial-coupled to a Conical 90 degree waveguide constant directivity horn. A high-power 15-inch magnet cone drivers, mounted in an optimally vented enclosure, reproduces low frequencies.

**Cabinet Configurations**

The cabinet is made up of 7 -wall adjusted to only one pair of parallel symmetric walls. Therefore, internal standing waves are dramatically reduced. And the inner wall is divided into several smaller areas by sling-like standing-wave incising Braces, Each area has its own resonance frequency. According to acoustics theory, this structure can not only reduce and nearly eliminate standing waves, but also enhances the rigidity of the cabinet. Therefore, fewer the sound absorbing materials are needed, so that inner availability cubage will be enlarged.

**Applications**

It is particularly suitable as a near field main loudspeaker or as a fill/delay element in larger systems, with wide angle projection making for easy audience coverage.

The choice of the preset digital processor is to optimize frequency range.

Moreover, M15C offer a lot of choices for simple, easy installation.

Combined with TRANS-AUDIO SW Subwoofers, the M15C allows to create compact and powerful systems suitable for all indoor or outdoor configuration.

The M15C is also ideal for distributed sound reinforcement and can be used in medium power front-of-house (F.O.H) applications for theatres, clubs, multi-purpose venues or corporate events and high quality stage monitoring.

**Technical specifications**

Frequency range (-6dB)	60Hz~19kHz
Sensitivity ( f>80Hz)	98dB
SPL(AES)	123dB
Peak SPL	126dB
Nominal directivity ( -6dB)	Conical 90° waveguide
Nominal impedance	8 Ohm
Transducers	15" (250mm) bass driver 1" (25.4mm) compression driver
Rated Power (AES)	350W
Rated Power (PEAK)	700W
Recommended amps	150~500W into 8 Ohms
Crossover	Air core inductors, MKP capacitors, wirewound resistors.
Cabinet	18mm plywood with internal reinforcements
Finish	Black
Protection grill	Acoustically transparent perforated steel, 1.5mm thick
Connectors	4 x Neutrik SPEAKON NL4MP
Handles	2 integrated handles on Side
Rigging	6 standard points
Dimensions (H x W x D)	660 x 440 x 456 mm
Weight	Net unit weight 30.4kg Gross weight, packed 33.4kg

1. Sensitivity is the average SPL measured over the component's rated bandwidth
2. Power rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor over the component's rated bandwidth
3. Directivity is averaged over the 500Hz-12 kHz range.
4. The SPEAKON cables are wired, hot pin 1+, cold pin 1-.

**LIMITED WARRANTY**

Trans-Audio loudspeakers and electronics are covered against defects in workmanship or materials for a period of one years from the original date of purchase. At the option of Trans-Audio, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Trans-Audio authorized distributor/service center. Unauthorized repair shall void the warranty. This Trans-Audio warranty does not cover cosmetics or finish and does not apply to any items which in Trans-Audio's opinion have failed due to user abuse, accidents, modifications or any type of misuse.