

TK Series

Compact

Multi Application

High Quality



- Passive Two way system
- Two 15 inch Bass Drivers
One 1 inch compression driver
- Suitable for medium-power F.O.H and touring applications
- 90° horizontal coverage and 40° vertical coverage
- OEM factory presets for approved digital processors

Key Features

The TRANS-AUDIO TK700 loudspeaker enclosures provide a versatile system that is designed for high quality distributed sound reinforcement or high performance touring or fixed installation.

The loudspeaker's high-frequency section comprises a 1-inch diaphragm compression driver coupled to a symmetrical (90 degrees horizontal by 40 degrees vertical) constant directivity horn. A pair of high-power 15-inch magnet cone drivers, mounted in an optimally vented enclosure, reproduces low frequencies.

Cabinet Configurations

This series structures is an anomaly prism. 45° cabinet enclosure could meet the requirement of the different fixed installation and stage monitoring. The cabinet is made up of 6 -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

TK700 is a compact multi-use loudspeaker specifically outfitted to serve in a variety of both touring and F.O.H applications.

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

Moreover, TK700 offer a lot of choices for simple, easy installation.

Combined with TRANS-AUDIO SW Subwoofers, the TK700 allows to create compact and powerful systems suitable for all indoor or outdoor configuration.

The TK700 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)	40 Hz to 20k Hz
Sensitivity (f>80Hz)	99dB
SPL (AES)	126dB SPL
Peak SPL	129 dB SPL
Nominal directivity (-6dB)	90° horizontal, 40° vertical
Nominal impedance	4 Ohm
Transducers	15" (380mm) bass driver 1" (25.4mm) compression driver
Rated Power	700W AES, 1400W peak
Recommended amps	500 to 1200W into 4 Ohms
Cabinet	18mm plywood with internal reinforcements
Crossover	Air core inductors, MKP capacitors, wirewound resistors.
Finish	BLACK
Protection grill	Acoustically transparent perforated steel, 1.5mm thick
Connectors	2 x Neutrik SPEAKON NL4MP
Handles	2 integrated handles on side
Mounting on stand	Put it on ground
Rigging	5 standard points
Dimensions (H x W x D)	1200 x 480 x 450 mm
Weight	Net unit weight 53kg Gross weight, packed 56kg

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 1000Hz-12 kHz range.
4. The SPEAKON cables are wired, hot pin 1+, cold pin 1-.