

# KT2.0 Technical Data Sheet

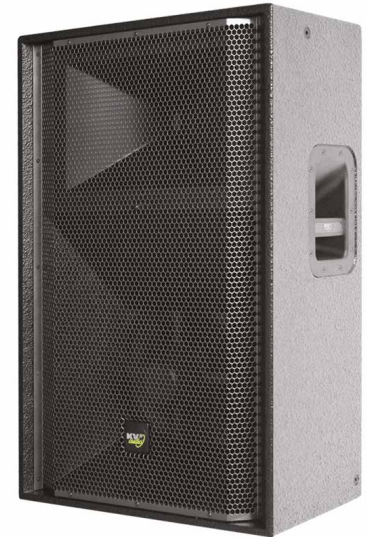
Product code: KVV 987 314

## Introduction

The KT2.0 is the Mid High Module for K-RIG. Its two-way horn loaded design provides optimal output and coverage that far exceeds that of a normal frontloaded 12 and horn box or a number of small line array elements. It consists of a horn loaded high power 12" mid bass speaker with integral phase plug and a 2.5" titanium diaphragm compression driver on an 80° H x 40° V constant directivity, wide dispersion horn. The KT2.0 is driven and controlled by two channels of the K-PAK controller amplification system and must be used with two KT2.15 bass speakers. It is constructed of poplar to reduce weight for ease of stacking and coated in a heavy-duty, wear resistant polymer coating.

## Features

- Professional Baltic birch construction with wear resistant polymer coating
- 132dB sustained output, 135dB peak
- Controlled wide dispersion 80° x 40°
- 2.5" (64 mm) Titanium diaphragm compression driver with complex geometry phase plug and ferrite magnetic structure
- Horn loaded, 12" mid-bass driver, with a 2.5" (64 mm) voice coil and ferrite magnetic structure
- Two way active requirement - 700W from the KPAK Amplifier providing 500W for the 12" low mid and 200W for the high frequency driver
- Proprietary side handle design for simplified handling and carrying
- High impact low friction feet, for lock-in and easy cabinet movement



## Application

Specifically designed as a Mid/Hi speaker for the K-RIG loudspeaker systems

- Portable PA
- Dance clubs
- Reproduced music

System Acoustic Performance	
Max SPL Long-term	132dB
Max SPL Peak	138dB
-3dB Response	(+ 2x KT2.15: 42Hz) 180Hz to 18kHz
Crossover Point	180Hz / 1.4kHz

High Frequency Section	
Acoustic Design	Horn Loaded
High Horn Coverage Horizontal / Vertical	80° x 40°
Throat Exit Diameter / Diaphragm Size	1.4" / 2.5"
Diaphragm Material	Titanium
Magnet Type	Ferrite

Mid-Bass Section	
Woofer Size / Voice Coil Diameter / Design	12" / 2.5" / Inside Outside
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Ferrite

Speaker Input	
Speaker Input	2x Neutrik Speakon® - NL8

Cabinet	
Cabinet Material	Poplar
Handles	2
Pole Mount	1
Color	"Orange peeled" Matt Black

Physical Dimensions	
Height	852 mm (33,54")
Width	550 mm (21.66")
Depth	325 mm (12.8")
Weight	40 kg (88.2lbs)

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## Architectural Specifications

The two-way loudspeaker shall consist of a 12" mid bass driver with a ferrite magnet mounted in an integral horn with phase plug assembly and a 2.5" titanium diaphragm ferrite magnet compression driver mounted on a constant directivity horn. The enclosure shall be made from poplar with an impact resistant black paint finish with a powder coated metal grill. The connection panel on the back shall be recessed and fitted with one NL8 socket. The loudspeaker shall only be operated by a dedicated, compatible controller amplifier, utilising two separate channels delivering 500W for the mid-range and 200W for the high frequencies. The loudspeaker shall have a nominal dispersion angle of 80°x 40° (HxV). The frequency response (-3dB) measured on axis shall be 180 Hz to 18 kHz with a maximum sound pressure of 135 dB when operated with dedicated controller amplifier. The dimensions shall not exceed 550 mm x 852 mm x 325 mm (W x H x D) and shall weigh no more than 34 kg.

## Dimensional Drawings

