



Handcrafted in the USA by **grundorf**

# Stereo KARTBar



**DESCRIPTION:** The Leading Edge Stereo KARTBar is a dual channel horizontal line array, also known as a soundbar, that encompasses frequencies from 85 Hz to 16kHz and is designed especially for mounting to mobile display panels but can also be easily wall mounted. It has been carefully designed to work within the typical architecture of an indoor classroom, which is usually in the 600 to 1200 sq. ft. range. The Stereo KARTBar utilizes an angled front panel that is designed to cover the broad width of a classroom. The transducers have maximum size magnets and can produce very low distortion and unlike other soundbars, do not require a subwoofer. The low frequencies are filtered at a perfect point. Not too much. Not too little. High frequencies are widely dispersed and with low distortion. Vocals sound extremely lifelike and attentive.

The “magic” in the system are the asymmetrical crossovers/ equalizers. They work as a very unique crossover section, a high frequency device protection circuit, and an equalizer section that attacks some of the most common feedback areas with microphone systems.

The Stereo KARTBar comes supplied with t-nuts for mounting our optional steel MB-37 brackets to the VESA points on the rear of a large mobile display panel. For wall-mounted applications, it also features 4 back panel mounted t-nuts set at 75mm x 75mm VESA points. The MB-37 bracket provides a 10-degree downward tilt to avoid putting sound over the heads of the students in a classroom.

## **SPECIFICATIONS: Stereo KARTBar**

**Type:** Horizontal line array (soundbar) loudspeaker

**Power handling:** 140 watts continuous

**Frequency response:** from 85 Hz to 16kHz

**Pressure sensitivity:** 88 db 1 watt 1 meter each channel

**Maximum acoustic output:** 106 dB 140 watts at 1 meter

**Impedance:** 4 ohms each channel

**Speaker format:** stereo

**Horizontal dispersion:** 120 degrees

**Vertical dispersion:** 100 degrees

**Dimensions:** 37" x 5" x 5 1/2"

**Cabinet material:** multi ply birch

**Finish:** White textured paint

**Terminals:** ¼" stereo phone jack (binding posts available on request)

**Built-in T-nuts:** rear mount VESA 75mm x75mm

**Weight:** 15 lbs

**Accessories:** MB-37 mounting bracket for attachment to large display panels 600 or 800 mm VESA width

## **ARCHITECTS AND ENGINEER SPECIFICATIONS**

The Stereo KARTBar loudspeaker shall be a stereo 2-way type, having a continuous power rating of 140 watts. It shall be capable of producing 80-16kHz and have a pressure sensitivity 88 dB at 1 meter with 1 watt. A stereo asymmetrical crossover shall be employed with the added feature of slight midrange filtering for feedback reduction.

Each loudspeaker channel shall be designed to operate from a 4 ohm impedance. It shall be a stereo configured system. It shall include an angled front panel that increases the horizontal dispersion of the system. It shall include (4) 4-inch low-frequency devices that utilize 22 oz ferrite magnets. It shall also include (2) 3.5-inch-high frequency devices. The frequency distribution pattern of the loudspeaker shall be 120 degrees horizontally and 100 degrees vertically.

The loudspeaker cabinet shall be constructed of multi-ply birch. The cabinet dimensions shall be 37" x 5" x 5-1/2". A curved steel metal grille shall be provided with acoustical fabric covering. The Stereo KARTBar system shall be capable of mounting to a large (75" diagonal +) mobile interactive display panel. The cabinet shall include (4) rear-mounted T-nuts set to VESA standards of 75mm x 75 mm for wall mounting. The bottom of the cabinet shall include (2) t-nuts for attaching an optional (MB-37) steel mounting bracket system that allows for a 10-degree downward tilt of the Stereo KARTBar speaker system. The cabinet should come supplied with a ¼" phone jack for connection to an external power amp. The entire Stereo KARTBar system shall weigh no more than 15 lbs.



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