

PRO

PUBLIC ADDRESS

PRODUCT SPECIFICATION SHEET

TYPE:

POWERED &  
PASSIVE

PRODUCT

# DB500

DESCRIPTION

## PASSIVE LOUD SPEAKER

SERIES

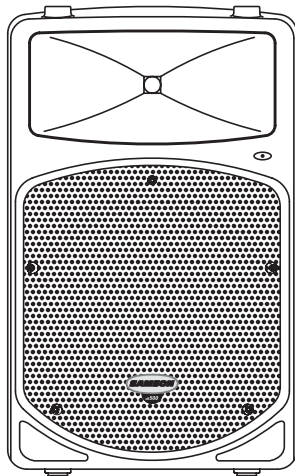
### DB

CATEGORY

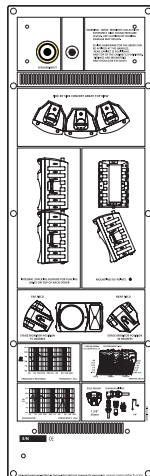
### PUBLIC ADDRESS



FRONT PANEL



BACK PANEL



### GENERAL DESCRIPTION

The dB500 speaker system by Samson takes the concept of PA systems to a new level. By combining 500 watts of power handling, advanced crossover design and the highest quality speaker and cabinet components, the dB500 provides studio quality sound for any kind of live application. The monitor features a super heavy-duty, custom designed, 15" low frequency driver and a 1.75 inch (44 millimeter) titanium diaphragm high frequency driver on a 1" throat, wide dispersion horn. The dB500 offers crystal-clear audio and an ultra-wide sound field. The top end is clean, smooth and vivid. Not only a front-firing PA speaker, the dB500's are also designed to operate as wedge-style monitors. The cabinet's right and left side panels are joined at different angles, so depending on the side you choose, you get a different dispersion angle, allowing for greater flexibility on stage. Adding to the dB500's practical design is a catalog of mounting options. The compact cabinet can be easily stacked, permanently installed, mounted using the integral 1 3/8" pole mount receptacle or suspended using the ten built-in fly points. With the dB500, setup and break down is quick and easy. Heavy-grade steel grills, scuff-resistant textured finishes and rigid corners offer excellent protection against wear and tear. As fixed sound reinforcement or as a durable, great-sounding road PA, the dB500 monitor is ideal for sound professionals and performers looking for serious output and studio monitor sound quality from a PA speaker system.

### FEATURES

- > Two-way loudspeaker system.
- > Standard speaker stand receptacle.
- > Custom designed, heavy-duty, 15-inch low frequency driver with 2.5-inch voice coil.
- > 1" throat, high-frequency compression driver with 1.75-inch titanium diaphragm.
- > 500 watt power handling.
- > 15 and 30-degree monitor angles.
- > Arrayable with 10 fly points.
- > Internal 18 dB/octave time aligned crossover.
- > Rugged, road-worthy construction for high reliability.
- > Quality build and rugged construction ensure reliable performance from venue to venue.
- > Three-year extended warranty.

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**DB500**

**ARCHITECT'S & ENGINEER'S SPECIFICATIONS**

The DB500 shall be a 2 way, heavy duty plastic trapezoidal speaker cabinet to be used as a FOH speaker or as a long or short throw monitor with 15 degree and 30 degree side angles for monitoring applications. It shall be dark gray and have metal mesh grills. It shall have a 15 inch woofer for low frequencies and a one inch throat, 1.75 inch titanium diaphragm tweeter for high frequencies. The horn shall be a 60 x 90 degree dispersion horn. It shall have a parallel speakon and 1/4" connector. The DB500 shall have a 1-3/8th inch receptacle for pole mounting. It shall have 10 fly points for using in an array or hanging individual speaker cabinets.

**DB500 SPECIFICATIONS**

<b>Power Rating</b> (@ 8Ω).....	500 Watts Program
<b>Frequency Response</b> .....	60 Hz – 20 kHz ± 5 dB
<b>Sensitivity</b> .....	93 dB SPL @ 1W/1m
<b>Crossover Frequency</b> .....	2.3 kHz (18 dB Per Octave)
<b>LF Driver</b> .....	15" heavy-duty driver, 2.5" voice coil (Kapton Former), 50 oz. barium ferrite magnet
<b>HF Driver</b> .....	1.75" titanium compression driver
<b>Mounting</b> .....	Integral 1 3/8" Pole Mount Receptacle, 15° wedge monitor position, 30° wedge monitor position, Ten Fly Points
<b>Weight</b> .....	50 lbs. (22.7 kg)
<b>Dimensions</b> (H x W x D) .....	30" x 19" x 17" 762mm x 483mm x 432mm

