

FBT PSR 215 Premium Sound Reinforcement Series Speaker



Applications

- Live Sound Reinforcement, Fixed Installations, Touring Systems, Discos, Clubs, Auditoriums, Theatres, Houses of Worship, Mobile DJ

Features

- 13 ply Trapezoidal Baltic Birch plywood construction cabinet, Internally braced to eliminate cabinet vibrations
- Tour Grade scratch resistant black paint finish
- Integral ergonomic carrying handles for easy transportability
- 1 3/8" Speaker Stand Socket
- Six M - 10 fly points
- High SPL capability: 131 dB
- 800 w RMS, 1600 w Program @ full range operation
- Switchable internal crossover for full range or bi amp operation

Product Description

The FBT PSR 215 Speaker features 13 ply Baltic Birch plywood construction cabinetry in a trapezoidal design, internally braced to prevent undesirable cabinet vibrations. A rugged touring grade scratch resistant black paint finish protects the cabinet exterior.

A heavy duty perforated steel grille provides protection for the woofer and horn. Strategically placed integrated carrying handles built into the cabinet lend to easy transportability. Six ATM manufactured M-10 fly points are provided allowing single speaker or multiple speaker cluster suspension. A 1 3/8" Speaker stand cup is built into the bottom of the cabinet for placement on a speaker stand.

The FBT PSR 215 is of two-way bass reflex design incorporating a Italian manufactured 15" FBT proprietary low frequency woofer with a 4" voice coil with aluminum windings and a 3" B&C titanium compression driver coupled to a B&C Aluminum 60° x 40° horn with a 2" exit. The internal crossover is constructed with a military grade dual flooded fiberglass circuit board utilizing military spec components including metallized polyester condensers, and large diameter choke coils. All crossover components are embedded in a special resin to ensure total imperviousness to vibrations in operation and shock transmitted by mechanical impacts when transporting. The internal crossover allows either full range or bi amplified operation by means of a jumper located internally on the crossover unit on the underside of the rear control panel input plate. This type of selectable crossover frequency design provides against accidental crossover settings when either full range or bi amplified operation is desired. When used in full range operation, the internal crossover frequency is preset at 1.3kHz (24dB/oct). Recommended amplifier power output when used in full range operation is 800w RMS total and 800 w RMS LF, 160 w RMS HF when operated in bi amp mode. A sensitivity factor of 99dB applies in full range mode and 99 dB LF, 108 dB HF in bi amp mode. Frequency response is an ample 45Hz -18kHz.

The rear facing input panel provides 2 Neutrik® Speakon NL-4 female connectors. FBT's S.T.E.P® protection circuitry ensures correct speaker operation even in overdriven conditions.

Specifications

System Type: 2 way

Components: 15" proprietary woofer, 3" B&C HF driver

Frequency Response: 45Hz - 18kHz

Nominal Impedance: 8 ohms

Power Handling: 800w RMS, 1600w Program (full range)

Sensitivity: 99 dB @ 1 watt, 1 meter (full range)

Maximum SPL: 131dB (full range)

Internal Crossover Frequency: 1.3 kHz

Dispersion: 60° H x 40° V

Protection: FBT ESTP® Protection circuitry

Inputs/Outputs: 2- Neutrik® Speakon

Suspension Points: 6 - M-10

Enclosure Material: 13 ply Baltic Birch plywood

Dimensions: 19"w x 30" h x 19" d

Net Weight: 102 lbs.

Shipping Weight: 112 lbs.

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PSR 215

