

FBT PSR 230 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
- Six M - 10 fly points
- High SPL capability: 137 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 230 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 woofers 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.

The FBT PSR 230 is of two-way bass reflex design incorporating Two Italian manufactured 15" FBT proprietary design low frequency woofers with 4" voice coils 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 1600w RMS total and 1600 w RMS LF, 160 w RMS HF when operated in bi amp mode. A sensitivity factor of 102dB applies in full range mode and 102 dB LF, 108 dB HF in bi amp mode. Frequency response is an ample 40Hz - 18kHz.

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

Specifications

System Type: 2 - way

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

Frequency Response: 40Hz - 18kHz

Nominal Impedance: 4 ohms

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

Sensitivity: 102 dB @ 1 watt, 1 meter (full range)

Maximum SPL: 137dB (full range)

Internal Crossover Frequency: 1.3 kHz

Dispersion: 60° H x 40° V

Protection: FBT S.T.E.P.® Protection Circuitry

Inputs/Outputs: 2- Neutrik® Speakon

Suspension Points: 6 - M-10

Enclosure Material: 13 ply Baltic Birch plywood

Dimensions: 20.60"w x 51.60" h x 19.40" d

Net Weight: 170 lbs.

Shipping Weight: 198 lbs.

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PSR 230

