

ShowMatch Tour Rack

Product Description

The Bose ShowMatch Tour Rack is a fundamental building block for ShowMatch systems. Available in 120- and 230-volt versions, the ShowMatch Tour Rack includes three PowerSoft® X4D touring amplifiers, an AC Mains Power Distribution Unit, a Signal Distribution Unit, and a Loudspeaker Distribution Unit.

Designed to power ShowMatch systems, each ShowMatch Tour Rack includes 12 channels of advanced loudspeaker signal processing and amplification in a single 10RU configuration. This modular approach to system power allows you to easily link the audio and control of multiple units to create larger system configurations.

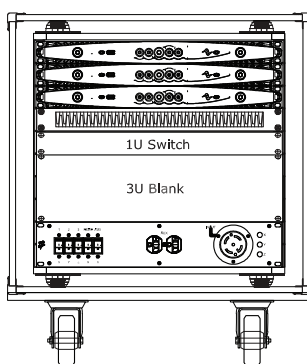
The ShowMatch Tour Rack is constructed of 12 mm (1/2-inch) Baltic Birch plywood and includes a shock-mounted steel rack frame with internal bracing and rear rack rail support for amplifiers. Removable front and rear slam doors can be stored within the rack during use.



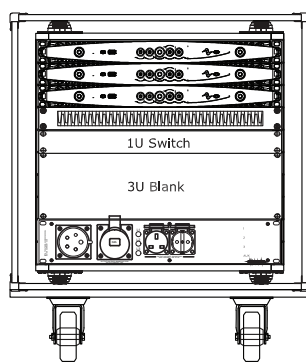
US rack

Key Features

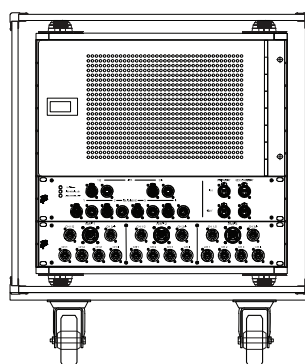
- Modular design provides 12 channels of advanced loudspeaker signal processing and amplification
- Three PowerSoft X4D 4-Channel high performance amplifiers
- One Signal Distribution Unit with analog, AES Dante® network audio, and network/control inputs and outputs
- One Loudspeaker Distribution Unit offering flexible connection options for various system configurations
- One AC Mains Power Distribution Unit
- Sized for efficient truck packing and allows other gear to be placed on top for maximum efficiency



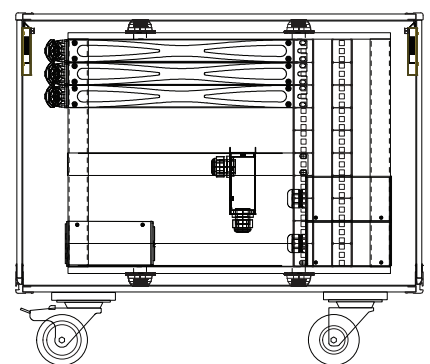
US rack



EU rack



rear



side

ShowMatch Tour Rack

System Components

1 PowerSoft X4D Amplifiers are used worldwide by leading touring and event production companies. PowerSoft X Series amplifiers offer advanced signal processing and reliable power in the smallest possible package.

Each X4D amplifier includes all signal processing functions necessary for the day-to-day operation and control of ShowMatch systems. X4D amplifiers are capable of accepting analog, AES3 digital audio, and Dante®-networked digital audio.

PowerSoft Armonía Plus software enables the configuration, system set up, and operational monitoring of the ShowMatch Tour Rack and ShowMatch systems.

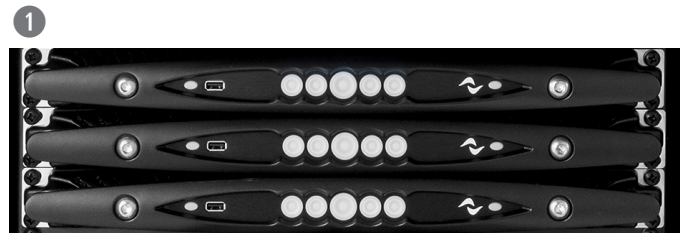
2 Signal Distribution Unit is the primary input source for the ShowMatch Tour Rack. Located on the rear of the unit, the Signal Distribution Unit includes the following input types which are internally routed to the three X4D amplifiers:

- Four analog inputs, each with a parallel output
- Four AES3 inputs are accepted with a transformer isolated output
- A primary and secondary Dante® network input connection with pass-throughs to additional racks

3 Loudspeaker Distribution Unit makes the output of each X4D amplifier available in three different configurations to accommodate various system configurations:

- One Neutrik NL8 which carries all four output channels
- Two Neutrik NL4 each of which carries two output channels
- Four Neutrik NL4 each of which carries a single amplifier channel

4 Power Distribution Unit is located on the front of the rack and balances the power distribution to each of the three X4D amplifiers, signal distribution, and accessory outlets. Connection types are specific to the version, 120 or 230V, and three LEDs indicate the presence of power on each of the three phases when properly connected.



US rack



European rack

ShowMatch Tour Rack

Technical Specifications

Mechanical	
Construction	112mm (1/2-inch) Baltic Birch plywood with internal shock-mounted mounting frame
Dimensions WxHxD	69.3 x 59.6 x 77.5 cm 27.2 x 23.5 x 30.5 in
Weight	128 kg 282 lb
Electrical - 120V (809928-0010)	
Voltage rating	120 / 208 V 60 Hz
Current rating	30 A
AC Input connection	NEMA L21-30 3-Phase Inlet
AC Output connections	3x NEMA L5/20 individually connected to L1, L2 and L3 of the 3-Phase supply; each connection is individually circuited with a 20A breaker 2x20A Edison Duplex outlets on rear panel circuited on a single 20A breaker 1x20A Edison Duplex outlet on front panel circuited on a single 20A breaker
Electrical - 230V (809929-0010)	
Voltage rating	230 / 400 VAC, 50 Hz
Current rating	32 A
AC Input connection	CEE 32 A 3-Phase Inlet wired in parallel to a CEE 32 A 3-Phase outlet
AC Output connections	3x 20 A PowerCon individually connected to L1, L2 and L3 of the 3-Phase supply. Each connection is individually circuited with a 20 A breaker 1x 13 UK and 1x 13 A EUR on front panel circuited on a single 13A breaker 4x IEC connection on rear panel circuited on a single 20A breaker
Audio	
Analog In/Out	4 Analog Inputs with parallel thru for passing signal to a second rack
AES / EBU In/Out	4 AES/EBU inputs with transformer-isolated outputs for passing signal to a second rack
AES clock	Up to 192 kHz
AES sample depth	Up to 24-bit
AES clock	Less than 0.1 ms
Amplifier*	
2-Ohm	5200 W
4-Ohm	3000 W
8-Ohm	1600 W
Max output voltage / current	175 V _{pk} / 130 A _{pk}
Loudspeaker output(s)	Per Amplifier: 1x NL8 carries all 4 channels; 2x NL4 carry channels 1+2 and 3+4; 4x NL4 carry channels 1, 2, 3 and 4
Software	
Modeling	EASE® Focus 3
Control operation	Powersoft Armonía Plus
Product Codes	
US-120V	809928-0010
EU-230V	809929-0010

For additional specifications and application information, please visit PRO.BOSE.COM. Specifications subject to change without notice. 01/2019
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* For detailed technical specifications, see the PowerSoft X4 datasheet at www.powersoft-audio.com