

PRX800 SERIES SPEAKERS DECLARATION OF CONFORMITY

Safety and EMC Compliance Specifications

EN 55103-1:1997 Electromagnetic Compatibility - Product Family Standard for Audio, Video, Audio-Visual and Entertainment Lighting Control Apparatus for Professional Use, Part 1: Emissions

EN 55103-1:1997 Magnetic Field Emissions-Annex A@ 10 cm and 20 cm

EN 55022:2003 Limits and Methods of Measurement of Radio Disturbance Characteristics of ITE: Radiated, Class B Limits; Conducted, Class A

EN 55103-2:1997 Electromagnetic Compatibility - Product Family Standard for Audio, Video, Audio-Visual and Entertainment Lighting Control Apparatus for Professional Use, Part 2: Immunity

EN 61000-4-2: A2:2001 Electrostatic Discharge Immunity (Environment E2-criteria B, 4 kV Contact, 8 kV Air discharge)

EN 61000-4-3:2003 Radiated, Radio-frequency, Electromagnetic Immunity (Environment E2, criteria A)

EN61000-4-4:2005 Electrical Fast Transient/Burst Immunity (criteria B)

EN 61000-4-5:2001 Surge Immunity (criteria B)

EN 61000-4-6:1996 Immunity to Conducted Disturbances Induced by Radio-Frequency Fields (criteria A)

EN 61000-4-11:2004 Voltage Dips, Short Interruptions and Voltage Variation

UL 6500 2nd Edition 1999 Audio/Video and Musical Instruments Apparatus for Household, Commercial, and Similar General Use

CAN/CSA-E60065-00 Audio, video and similar apparatus - Safety requirements

UL Compliance Specifications

CUL 60065 7th Ed. IEC 60065(ed.7), IEC 60065(ed.7);am1,
IEC 60065(ed.7);am2 EN 60065:2002/A1:2006/A11:2008/A2:2010/A12:2011

FCC Compliance Notice

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

THE PRX800 SERIES POWER AMPLIFIER

AC Power Requirements

Standard PRX800 Series speaker systems are equipped with a multi-channel Class-D power amplifier and loudspeaker-specific DSP electronics and require appropriate AC power. Before plugging a PRX800 speaker into an outlet, ensure that it is able to provide the appropriate AC power as required by the speaker.

A robust AC supply is necessary for maximum performance. If the supply is too weak, the bass performance may be affected and, if it sags (drops) too much, the system may self-mute to protect itself. As soon as the appropriate AC supply is restored, it will continue to operate. Plugging multiple systems into the same outlet and the use of long extension cord runs may affect the AC supply to the systems.



CAUTION

In compliance with safety agency criteria and proper system operation, it is critical that the system installer observe all electrical safety practices at all times and provide proper earth grounding for all AC Power connections.

Powering Up

The main power switch is located on the input panel on the back of the enclosure. Always ensure that the speaker system is the last thing you power up, and the first thing you turn off when operating your complete PA system. If speaker systems are daisy chained together, always turn off the last system in the chain first. Power “on” is indicated by the illumination of the blue LED on the front of the enclosure.

Operating Temperature

The design of the amplifier is such that it is very energy efficient and, as a result, does not get very hot. In the rare event that it does get too hot, it will automatically shut down to protect itself. When its temperature has returned to within its operating range, it will turn back on. A condition under which this may occur is when the system is operated in very high ambient temperatures or the rear of the enclosure is in direct sunlight. Always ensure adequate cooling and appropriate shade.