

EON 600

S E R I E S

User's Guide



QUICK SETUP GUIDE

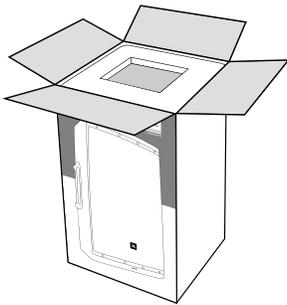
Congratulations on your purchase of JBL Professional EON600 Series loudspeakers! We know you are anxious to get up and running as fast as possible, which is why you are reading this section. The following will help you get set up as soon as possible.

Packaging Contents

Your EON600 system should include the following:

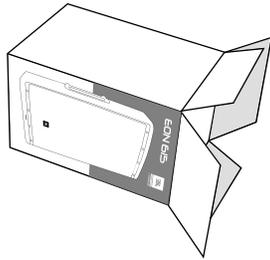
- 1 x EON600 speaker
- 1 x 10'(3m) IEC Power Cable
- 1 x Quick Start Guide

Unbox it



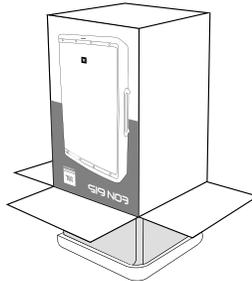
①

Open the top of the box.



②

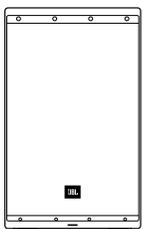
Lay box on its side.



③

Turn box upside down, then lift box up to reveal speaker.

Configuration Options



①

Floor Standing



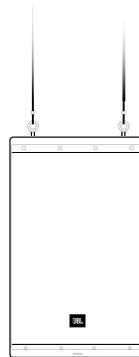
②

Monitor Position



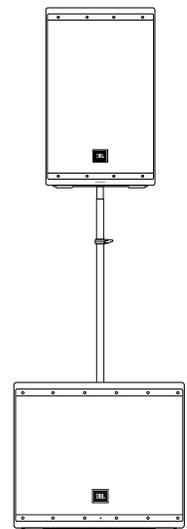
③

Pole Mounted



④

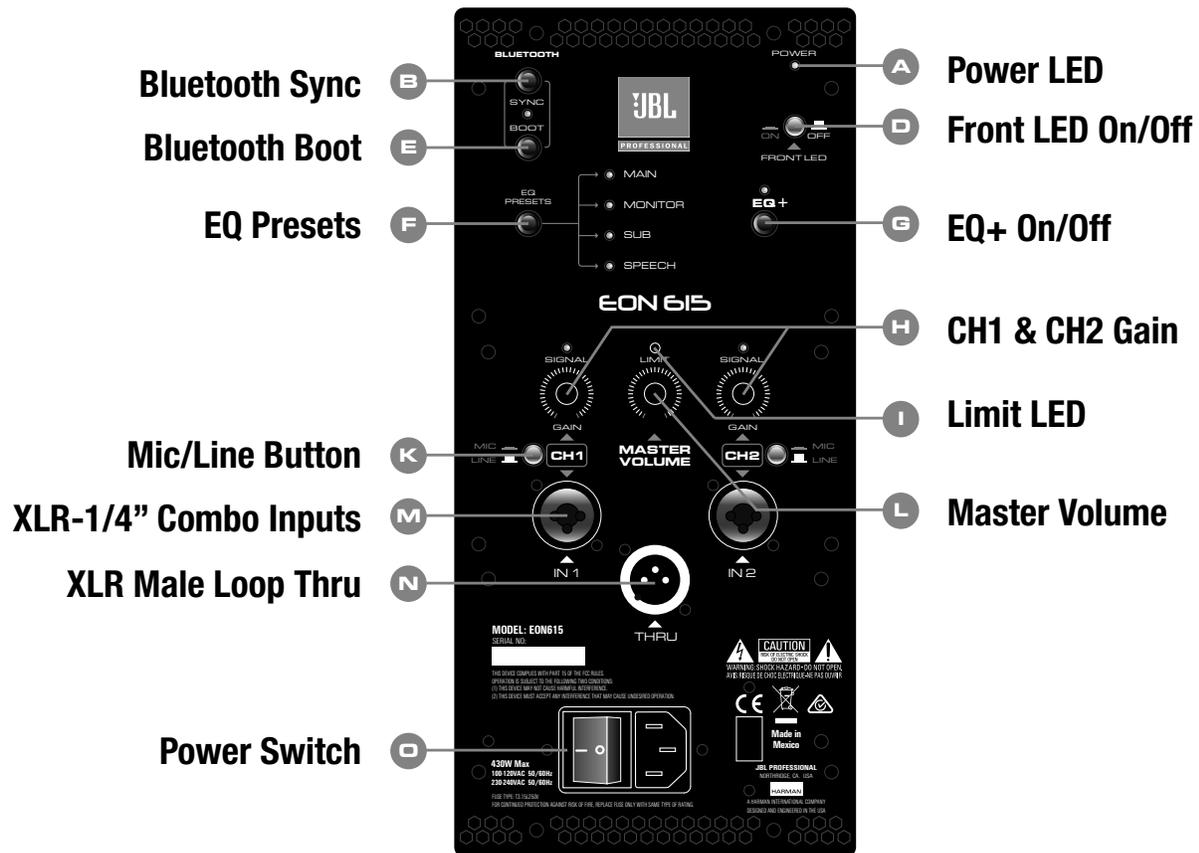
Suspended



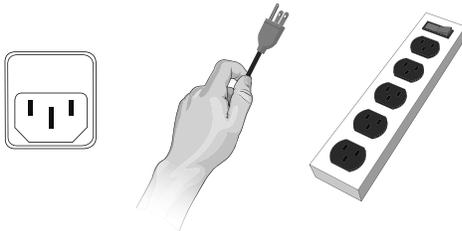
⑤

Subwoofer Mounted

QUICK SETUP GUIDE



POWER IT ON



1. Confirm the Power Switch (O) is in the OFF position.
2. Connect the supplied power cord to the power receptacle on the rear of the speaker.
3. Connect the power cord to an available power outlet.
4. Flip on the Power Switch (O) and the Power LED (A) and the Power LED on the front of the speaker will illuminate.

PLUG IN THE INPUTS

1. Turn Channel Gain Controls (H) and Master Volume Control (L) all the way to the left before connecting any inputs
2. Connect XLR or TRS cable from audio source to CH1 or CH2 inputs (M)
3. Select Mic or Line via the Mic/Line Button (K; Full-Range Only)

SET OUTPUT LEVEL

1. Using the EQ Preset (F) button, select the appropriate preset to match your application (Full-Range Only).
2. Set the gain level for the input using the Channel Gain (H) controls. A good starting point is to set the pot at 12 o'clock.
3. Slowly turn Master Volume (L) to the right until the desired volume is reached.

OVERVIEW - EON FAMILY



EON 610

10" Two-way multipurpose self-powered sound reinforcement

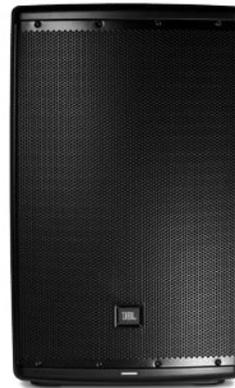
- 1000 Watt
- 26 lbs. / 11.79 kg
- 110° H / 60° V Coverage



EON 612

12" Two-way multipurpose self-powered sound reinforcement

- 1000 Watt
- 33 lbs. / 14.96 kg
- 100° H / 60° V Coverage



EON 615

15" Two-way multipurpose self-powered sound reinforcement

- 1000 Watt
- 39 lbs. / 17.69 kg
- 90° H / 60° V Coverage



EON 618S

18" multipurpose powered subwoofer

- 1000 Watt
- 78 lbs. / 35.3 kg

Thank you for purchasing the new JBL EON!

More than just another great JBL sound system, the new EON600 is a true step forward in technology developed specifically to deliver the best sound possible regardless of its application. Completely rethinking how truly good an affordable self-contained, portable PA system can be, JBL engineers purposely designed and built the EON600 from the ground up featuring JBL's advanced waveguide technology, JBL designed and manufactured transducers, and convenient, wireless remote control of its onboard DSP EQ parameters via Bluetooth.

This total redesign of the EON platform leverages the latest technologies in cabinet materials, acoustic science, transducer design and user friendliness that delivers the extraordinary quality of a high-end studio monitor in a fully professional, highly flexible, easy to use, portable system for today's working musicians and sound providers.

With proper care your EON Series speakers should provide you with many years of flawless performance, and are flexible enough to be a part of your sound reinforcement system even as it grows in scope.

EON615 SPECIFICATIONS

System Specification

System Type:	Self powered 15", two-way, bass-reflex
Maximum SPL Output:	127 dB
Frequency Range (-10 dB):	39 Hz - 20 kHz
Frequency Response (± 3 dB):	50 Hz - 20 kHz
EQ:	3 Parametric EQ's, High and Low Shelf (Available via Bluetooth app only)

Amplification

Amplifier Design:	High Efficiency Class D
System Power Rating:	1000W Peak (700 LF + 300HF); 500W Continuous (350W LF + 150W HF)
Input Impedance:	20K ohms (Balanced)
Line Input Gain:	Infinity to +26.8dB (+14dBu max input level)
Mic Input Gain:	Infinity to +29dB (in addition to line input gain)
Connectors:	2 x Balanced XLR-1/4" combination inputs; 1 x male XLR loop thru out
LED Indicators:	Power, Bluetooth, EQ Preset, EQ +, Signal CH1, Signal CH2, Limit
Cooling:	Passively Cooled (No Fan)
AC Power Input:	100-120VAC 50/60Hz; 230-240VAC 50/60Hz
AC Power Consumption (120VAC):	1/8th Power – 1.14A (Max), 1/4th Power – 1.71A (Max), 1/3rd Power – 2.03A (Max)

Speaker Specification

LF Driver:	1 x JBL 615H 380mm (15") woofer with 2" voice coil
HF Driver:	1 x JBL 2414H-1 25.4mm (1") annular polymer diaphragm, neodymium compression driver
Coverage Pattern:	90° H x 60° V
Crossover Frequency:	1.8kHz

Enclosure

Material:	Polypropylene, multi-purpose main & monitor
Suspension / Mounting:	36mm pole socket with stabilizing screw, 3 x M10 suspension points
Handles:	One left, one right, one top, one bottom (4 total)
Finish:	Black Granite
Grille:	Powder coated perforated steel with acoustically transparent screen backing
Dimensions (H x W x D):	707mm x 439mm x 365mm (27.8" x 17.3" x 14.4")
Gross Weight:	17.69 kg (39 lbs)

