

iLX8D

8" Active 600W 2-Way Full Range Loudspeaker
with SBT True Wireless Stereo (TWS) and DSP Presets



Overview

The Sound Barrier iLX8D is a compact professional active two-way loudspeaker designed for mobile DJs, live performers, houses of worship, portable PA systems, corporate presentations, bars, restaurants, and fixed installation environments requiring high quality sound performance in a lightweight and portable enclosure.

Powered by an efficient Class-D bi-amplified design, the iLX8D delivers excellent output capability while minimizing weight and heat generation. The system combines an 8-inch low frequency transducer and a 1-inch compression driver for balanced frequency response, vocal clarity, and detailed high frequency reproduction.

Integrated DSP processing provides selectable presets for different listening environments and applications, while Sound Barrier Technology (SBT) with True Wireless Stereo (TWS) capability enables convenient wireless audio streaming and stereo speaker linking.

Professional connectivity includes dual MIC/LINE inputs, auxiliary input capability, secure locking power connections, and flexible mounting options for portable and installed applications.

Applications

- Mobile DJ
- Portable PA
- Houses of Worship
- Corporate AV
- Live Performance
- Hospitality Venues
- Education
- Stage Monitoring
- Fixed Installations

Features

- Class-D Bi-Amplified Design
- Integrated DSP with Music, Flat, Speech, and Club presets
- Sound Barrier Technology (SBT) wireless audio
- True Wireless Stereo (TWS) speaker pairing
- Universal 100–240V operation
- Locking PowerCON-type AC input and output
- Dual MIC/LINE combo inputs
- 3.5 mm auxiliary input
- XLR mix output for system expansion
- M8 suspension points and 35 mm pole socket
- Rugged MDF cabinet with textured coating

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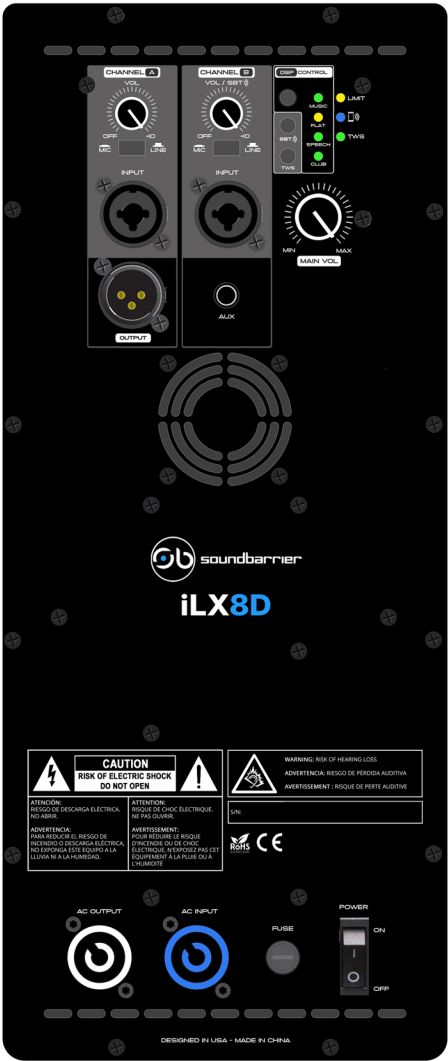


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General	
Configuration	Active 2-Way Full Range Loudspeaker
LF Transducer	8-inch, 1.5-inch Voice Coil
HF Transducer	1-inch Compression Driver, 1-inch Voice Coil
Acoustic Specifications	
Frequency Response	58 Hz – 20 kHz
Max SPL	120 dB
Dispersion	110° H × 100° V
Electronics & Connectors	
Amplifier Type	Class-D Bi-Amplified
Nominal Amplifier Power (Continuous / RMS)	150 W
Nominal Amplifier Power (Program)	300 W
Nominal Amplifier Power (Peak)	600 W
Audio Signal Inputs	2 × XLR / ¼" Combo (MIC/LINE)
Auxiliary Input	3.5 mm AUX
Audio Signal Output	1 × XLR MIX OUT
DSP Presets	Music / Flat / Speech / Club
Wireless Technology	SBT Wireless
Stereo Pairing	True Wireless Stereo (TWS)
Volume Controls	Channel A, Channel B, Main
Indicators	Power, Limit, SBT, TWS
Power & Thermal	
AC Input Voltage	Universal 100–240V, 50/60Hz
AC Input Connector	powerCON-Type AC IN
AC Output Connector	powerCON-Type AC OUT
Protection	Over-temperature limiter, overload limiter
Cooling	Active Fan Cooling
Construction	
Dimensions (W × H × D)	10.5 × 17.5 × 11.25 in (268 × 445 × 286 mm)
Weight	27.5 lb (12.4 kg)
Cabinet Material	MDF with Textured Finish
Rigging	M8 Rigging Points
Pole Mount	35 mm Pole Mount Socket
Grille	Steel with Anti-Corrosion Coating
Handles	Integrated Side Handles
Accessories	
Included Accessories	powerCON-Type AC IN Cable



DSP PROCESSING
Music / Flat /
Speech / Club



SBT WIRELESS
High Quality Audio
Streaming



TRUE WIRELESS
STEREO (TWS)
Pair Two Speakers
for Stereo Sound



POWERCON
Locking Power Input
& Output



CLASS-D
BI-AMPLIFIED
Efficient, Powerful
and Reliable



DUAL
MIC/LINE INPUTS
XLR / 1/4" Combo
Connectors



AUX INPUT
3.5 mm Auxiliary
Input



XLR MIX OUTPUT
For System
Expansion



RIGGING & MOUNTING
M8 Flying Points
& 35 mm Pole Mount



BUILT-IN COOLING
Intelligent Fan
Cooling System

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