

## LA0316

### 160W+300W Professional Active Line Array Speaker System



#### Description

The LA0316 Professional Active Line Array Speaker System is a compact yet powerful audio solution designed for a wide range of applications, including small to medium-sized venues, mobile performances, conferences, and commercial installations.

The system consists of an 8×3” column speaker and a 12” high-power subwoofer, delivering clear, detailed high and mid frequencies along with deep and punchy low-frequency performance.

With a built-in DSP amplifier module, the system provides advanced audio processing capabilities such as FIR filtering, crossover, delay, EQ, and limiting, ensuring precise sound tuning and optimal performance in different environments.

Equipped with Bluetooth, USB playback, and TWS wireless linking, the LA0316 offers flexible audio input options and convenient wireless stereo pairing. Combined with the FIR Active Speaker Editor software, users can easily configure, store, and recall presets, making system setup and management efficient and user-friendly.

## Features

- 8 × 3" full-range drivers deliver clear and natural mid-high frequencies.
- 12" subwoofer provides deep and powerful low-frequency performance.
- Built-in DSP with FIR filtering ensures precise and optimized sound tuning.
- Supports PEQ, crossover, delay, limiter, phase, and gain adjustment.
- High SPL output suitable for professional sound reinforcement applications.
- Supports XLR and TRS audio input connections.
- Built-in USB playback with MP3 format support.
- Integrated Bluetooth for wireless audio streaming.
- Supports TWS function for wireless stereo linking between two speakers.
- DSP control via PC software for flexible parameter configuration.
- Real-time monitoring of input/output levels and system status.
- Supports preset saving, recall, upload, and download.
- Dual voltage selection (110V / 220V) for flexible power compatibility.
- Built-in limiter protection ensures safe and stable operation.
- Slim column design with wide horizontal sound coverage.
- Compact structure for easy transport and installation.

## Specifications

Model	LA0316
	3"×8 Column Speaker
Drive Unit	MF: 3"×8 (25mm Voice Coil)
Rated Power	160W
Program Power	320W
Peak Power	640W
Impedance	4Ω
Frequency Response	98Hz~16kHz
Sensitivity	96dB
Max. SPL	118dB
Signal Input	Dedicated Link Connector
Directivity Angle	100°(H)×20°(V)
Product Dimensions (H×W×D)	810×105×140mm
Package Dimensions (H×W×D)	860×360×240mm (2PCS/CTN)
Net Weight	6.5kg
Gross Weight	18kg
	Single 12" Subwoofer
Drive Unit	LF: 12"×1 (75mm Voice Coil)
Rated Power	300W
Program Power	600W
Peak Power	1200W
Impedance	4Ω
Frequency Response	38Hz~200Hz
Sensitivity	96dB
Max. SPL	121dB

Signal Input	2×XLR / TRS
Supported Function	BT / USB / MP3 / TWS
Product Dimensions (H×W×D)	600×365×450mm
Package Dimensions (H×W×D)	686×435×520mm
Net Weight	21kg
Gross Weight	24kg

## Product Information



### 1. POWER Switch

Turns the powered speaker on or off.

ON: Power on OFF: Power off

### 2. Input Voltage Selector

Displays the current AC input voltage. Allows switching between 110V and 220V.

Note: Selecting 110V while connecting to a 220V power supply may damage the unit.

### 3. AC INPUT

Connects to the AC power supply using a suitable power cable.

### 4. OUTPUT SPEAKER

Full-range speaker output terminal (1+ / 1-).

### 5. USB TO PC

Connects to a computer via USB for DSP control and parameter adjustment using the software.

### 6. USB TO MUSIC

USB port for audio playback. Supports MP3 format and automatically plays files stored in the root directory of the USB drive.

## 7. CH1 Volume Control

Adjusts the volume of CH1 line input, USB input, and Bluetooth audio.

## 8. CH1 Line Input

Supports XLR (male) and 6.35mm TRS input.

## 9. CH2 Volume Control

Adjusts the volume of CH2 line input.

## 10. CH2 Line Input

Supports XLR (male) and 6.35mm TRS input.

## 11. MIXED OUTPUT

Mixed output of CH1 and CH2 signals (bypassing DSP processing).

## 12. Display Screen

Shows input/output level meters, current preset, and system information.

## 13. CONTROL Knob

Rotate to adjust the master volume.

Press to enter the DSP settings, including Output 1/2 volume, Mute, and Phase.

Rotate to change values. Functions can be switched via the UTIL button.

## 14. Bluetooth ON/OFF

Press to enable Bluetooth (Bluetooth icon appears on the screen). Release to disable Bluetooth (icon disappears).

Bluetooth name: MUSIC, Password: 8888

## 15. TWS (Bluetooth Linking)

When one speaker is in Bluetooth mode and connected to a mobile device, press the TWS button (15).

Then, on the second speaker, turn on Bluetooth (14) and press the TWS button (15).

The two speakers will connect wirelessly for synchronized audio playback.

Up to two speakers can be linked via TWS.

## 16. UTIL Button

Press to enter system settings. Use the CONTROL knob to adjust parameters.

- Press once to load a DSP preset program. Rotate the CONTROL knob to select the desired preset.
- Press twice to save the current settings. Rotate the CONTROL knob to select an empty preset slot.

Note: Select an empty preset slot when saving. Otherwise, previously saved data will be overwritten. The system will automatically return to the main display after a period of inactivity.

## 17.

Short press: Play previous track

Long press: Increase volume (Bluetooth volume controllable)

## 18. MODE

Short press: Play / Pause USB audio playback

## 19.

Short press: Play next track

Long press: Decrease volume (Bluetooth volume controllable)