L-Set 151

Active PA System

Application:

PA systems for clubs, bars, restaurants, music bands, indoor and outdoor usage.

Portable series

ACTIVE PA SYSTEM L-Set 151

Total maximum output SPL 126.5 dB SPL

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Total power handling 700 W

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Set frequency range 47 Hz – 18 kHz

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LOUDSPEAKERS L151, L151-PS

15” LF LAVOCE Italiana speaker with ferrite magnet

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1” HF LAVOCE Italiana driver

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Coverage 90°H x 40°V

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Flange (35 mm) for the speaker stand

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6 Mounting holes M10 on each loudspeaker

BUILT-IN AMPLIFIER (installed into L151-PS)

Two-channel class D amplifier 2 x 350 W with analog signal processing

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Two microphone inputs – 1/4"JACK

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Line stereo input – 2 x 1/4"JACK

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Low level stereo input – 2 x RCA

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Individual microphone input level controls

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Line input level control

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Three-way EQ for microphone inputs

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Microphone inputs sensitivity switches (MIC/LINE)

Kit contents:

• Active loudspeaker **L151-PS**	1 pc.
• Loudspeaker **L151**	1 pc.
• Cable SpeakON-SpeakON (8 m)	1 pc.

Loudspeakers L151, L151-PS

Two-way loudspeakers **L151, L151-PS** are designed on 15“ LF speaker and 1” HF driver (**LAVOCE Italiana**).

Signal separation into frequency bands is performed via passive filter.

The **L151, L151-PS** have trapezoidal cabinet, which is made of birch plywood with black water-polymer coating (other colours available). The sloping rear corners of the cabinet reduce internal reflections and prevent the occurrence of standing waves. The front panel of the loudspeaker is covered with a decorative steel grid with powder coating. Additional protection against moisture is provided by acoustically transparent foam, glued to the inner surface of the grid.

Two ergonomic handles are located on the sides; stand flange (35 mm) for installing to the speaker stand is located on the bottom wall.

Due to 6 mounting holes M10 the loudspeaker can be mounted at any position.

Built-in Amplifier (in **L151-PS**)

Built-in amplifier, installed on insulated compartment to the rear, has class D topology. The amplifier is equipped with forced cooling system and switching power supply.

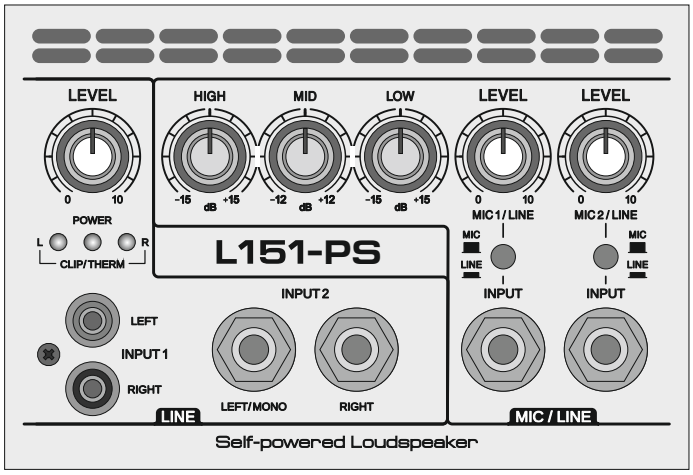
The amplifier has two channels: one channel for its own loudspeaker, another - for external passive loudspeaker. Such stereo-set design is more convenient and reduces general kit price.

The amplifier, installed to the loudspeaker, has analog input signal processing unit, which provides the filtering, optimal EQ, as well as limiting and speaker overload protection.

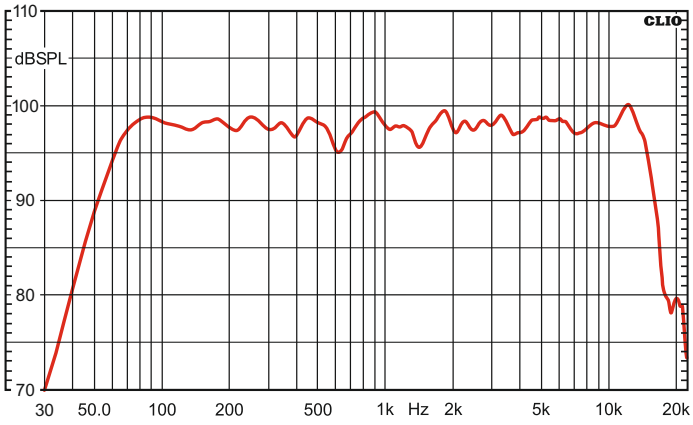
BUILT-IN AMPLIFIER INPUT UNIT

The amplifier input unit has 2 microphone inputs (1/4"JACK) with separate level controls and common three-way EQ, two line stereo inputs (2 x 1/4"JACK and 2 x RCA) with level control, common for both line inputs.

Microphone inputs also have sensitivity switches(MIC/ LINE) and can be used as low level line inputs (250 mV). The signal will be applied to both amplifier channels simultaneously.



L-Set 151 Frequency Response



(measured using **CLIO Fw11**)

TECHNICAL DATA

Active PA System L-Set 151

Total Power Handling	700 W
Maximum Output SPL	126.5 dB
Frequency Range	47Hz – 18kHz

Loudspeakers L151, L151-PS

Configuration
Active two-way loudspeaker

Acoustic design:
Trapezoidal cabinet, bass reflex.

LF Driver:
15"dia LAVOCE Italiana, voice coil 2.5"

HF Driver:
1"dia LAVOCE Italiana, voice coil 1"

Specification

Power Handling (nominal)	300 W
Power Handling (continuous)	600 W
Frequency Range	47Hz – 18k Hz
Coverage	90°H x 40°V
Maximum Output SPL (full space)	123.5 dB*
Weight (L151-PS/L151)	27/24 kg
Dimensions:	
– width	450 mm
– hight	665 mm
– depth	500 mm

Built-in Amplifier (in L151-PS)

Power Rating (RMS)	2 x 350 W , class D
Sensitivity :	
– line input 1/4"JACK	775 mV (0 dBu)
– line input RCA	250 mV(-10 dBu)
– mic/line input	3/250 mV(-42/-10 dBu)
Input Impedance:	
– line input 1/4"JACK	10 kOhms (balanced)
– line input RCA	5 kOhms (unbalanced)
– mic/line input	1/10 kOhms (balanced)
Signal-to-Noise Ratio	
– line input 1/4"JACK	98 dB (unbalanced)
– line input RCA	98 dB (unbalanced)
– mic/line input	94 dB (unbalanced)
Power Requirements	~220/230V, 50/60 Hz

Note.

* Maximum output SPL indicated. For comparison purposes and in accordance with common industry practice, maximum SPL specifications are calculations based upon transducer sensitivity, amplifier output voltage and speaker impedance.

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