



L-Set 101

L series



ACTIVE PA SYSTEM L-Set 101

Total maximum output SPL 121 dB SPL

Total power handling 350 W

Set frequency range 58 Hz – 19kHz

LOUDSPEAKERS L101, L101-P

10" LF LAVOCE Italiana speaker

with ferrite magnet

1" HF LAVOCE Italiana driver

Coverage 100°H x 50°V

Flange (35 mm) for the speaker stand

BUILT-IN AMPLIFIER (installed into L101-P)

Class D amplifier 350 W (4 Ohm) with analog input signal processing

Two microphone inputs – 1/4"JACK

Line input – 2 x 1/4"JACK

Low level input – 2 x RCA

Individual microphone input level controls

Line input level control

Three-way EQ for microphone inputs

Active PA System

Application:

PA systems for schools, churches, small clubs, bars, conference halls, presentations, etc.

Kit contents:

- Active loudspeaker **L101-P** 1pc.
- Loudspeaker **L101** 1pc.
- Cable SpeakON-SpeakON (8m) 1pc.

Loudspeakers L101, L101-P

Two-way loudspeakers **L101**, **L101-P** are designed on 10" LF speaker and 1" HF driver (**LAVOCE Italiana**).

Signal separation into frequency bands is performed via passive filter.

The **L101**, **L101-P** 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.

Ergonomic handle for convenient carrying is located on the top; stand flange (35 mm) for installing to the speaker stand is located on the bottom wall.

Built-in Amplifier (in L101-P)

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 is designed for both individual operation of **L101-P** loudspeaker, and operation with additional passive loudspeaker **L101**.

The design with one active and one passive loudspeaker provides more convenient usage, and also reduces the general kit price.

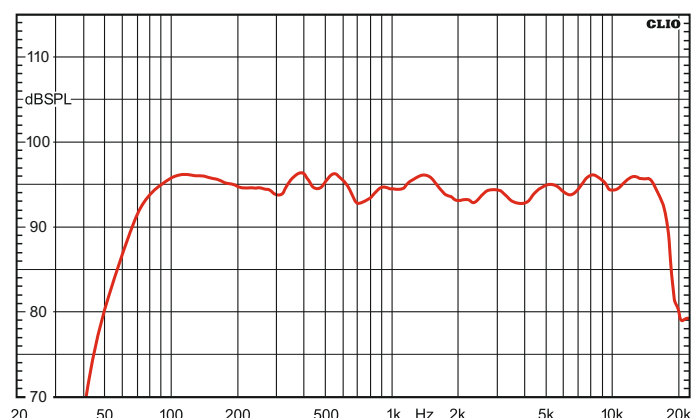
The amplifier, installed to the loudspeaker, has analog input signal processing unit, which provides the filtering, optimal EQ, as well as limiting and speaker overload protection.

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 all line inputs level controls.



L-Set101 Frequency Response



(measured using CLIO Fw11)

TECHNICAL DATA

Active PA System L-Set 101

Total Power Handling	350 W
Maximum Output SPL	121 dB
Frequency Range	58 Hz – 19 kHz

Loudspeakers L101, L101-P

Configuration

Active two-way loudspeaker

Acoustic design:

Trapezoidal cabinet, bass reflex.

LF Driver:

10" dia LAVOCE Italiana, voice coil 2"

HF Driver:

1" dia LAVOCE Italiana, voice coil 1"

Specification

Power Handling (nominal)	175 W
Power Handling (continuous)	350 W
Frequency Range	58 Hz – 19 kHz
Coverage	100°H x 50°V
Maximum Output SPL (full space)	118 dB*
Weight (L101/L101-P)	12/13 kg
Dimensions:	
– width	310 mm
– height	525 mm
– depth	325 mm

Built-in Amplifier (in L101-P)

Power Rating (RMS):

– single loudspeaker	350 W, class D
– two loudspeakers	200 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

~220/230 V, 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.

** At mains 230 V. In the brackets the power handling of built-in amplifier for L101-P (without L101) is indicated.

