



L-Set 121

L series



ACTIVE PA SYSTEM (L-Set 121)

Total maximum output SPL 126.5 dB SPL

Total power handling 700W

Set frequency range 53 Hz – 18 kHz

LOUDSPEAKERS (L121, L121-PS)

12" LF LAVOCE Italiana speaker
with ferrite magnet

1" HF LAVOCE Italiana driver

Coverage 90°H x 40°V

Flange (35 mm) for the speaker stand

6 Mounting holes M10 on each loudspeaker

BUILT-IN AMPLIFIER (installed into L121-PS)

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

Two microphone inputs – 1/4"JACK

Line stereo input – 2 x 1/4"JACK

Low level stereo input – 2 x RCA

Individual microphone input level controls

Line input level control

Three-way EQ for microphone inputs

Microphone inputs sensitivity switches
(MIC/LINE)

Active PA System

Application:

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

Kit contents:

- Active loudspeaker **L121-PS** 1 pc.
- Loudspeaker **L121** 1 pc.
- Cable SpeakON-SpeakON (8m) 1 pc.

Loudspeakers L121, L121-PS

Two-way loudspeakers **L121**, **L121-PS** are designed on 12" LF speaker and 1" HF driver (**LAVOCE Italiana**).

Signal separation into frequency bands is performed via passive filter.

The **L121**, **L121-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 L121-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.

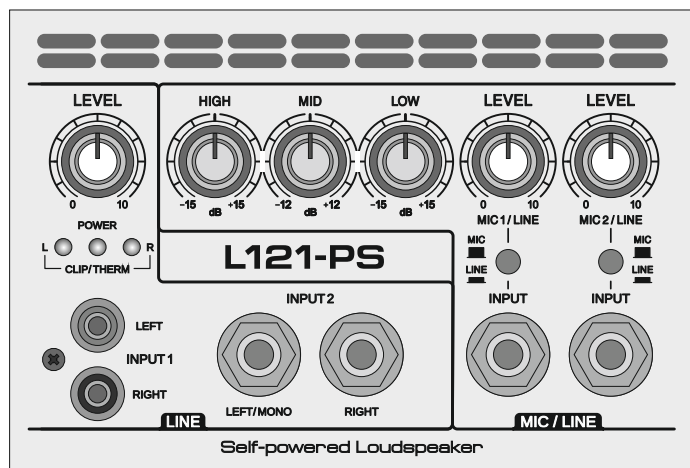
The amplifier has two channels: one channel for its own loudspeaker, another - for external passive loudspeaker. Such stereo-set design is more convenient and reduces general kit price.

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.

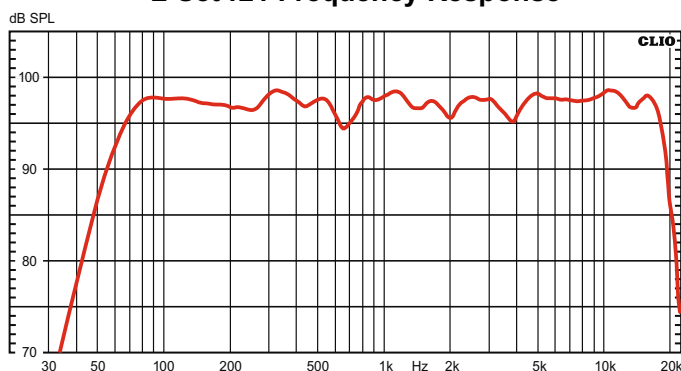
BUILT-IN AMPLIFIER INPUT UNIT

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-Set121 Frequency Response



(measured using CLIO Fw11)

TECHNICAL DATA

Active PA System L-Set 121

Total Power Handling	700W
Maximum Output SPL	126.5dB
Frequency Range	53Hz – 18kHz

Loudspeakers L121, L121-PS

Configuration

Active two-way loudspeaker

Acoustic design:

Trapezoidal cabinet, bass reflex.

LF Driver:

12"dia LAVOCE Italiana, voice coil 2.5"

HF Driver:

1"dia LAVOCE Italiana, voice coil 1"

Specification

Power Handling (nominal)	350W
Power Handling (continuous)	700W
Frequency Range	53Hz – 18kHz
Coverage	90°H x 40°V
Maximum Output SPL (full space)	123.5dB*
Weight (L121-PS/L121)	22.5/20kg

Dimensions:

– width	375 mm
– height	575 mm
– depth	390 mm

Built-in Amplifier (in L121-PS)

Power Rating (RMS)	2 x 350 W ,class D
Sensitivity :	
– line input 1/4"JACK	775mV (0dBu)
– line input RCA	250 mV(-10 dBu)
– mic/line input	3/250mV(-42/-10dBu)
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.

