L-RAY/1000

Order no.: 0252090

PRODUCT INFORMATION

Professional State-of-the-Art PA Technology at a Compact Size:
The active speaker array L-RAY/1000 from IMG STAGELINE impresses by a perfect sound with professional adjustment facilities, the advantages of the radiation typical of array, a high-quality workmanship and an amazing level stability.

Professional PA speaker array (controlled by DSP software), active, 1,000 W
Compact array of high power capability with 4 mid-high range speaker units and a dual bass module, each section with its own 350 W power amplifier and controlling software (the configuration of the system is supported by a PC, but it operates as a stand-alone unit). Supplied with extensive and variable equipment for suspended mounting systems (Flyware). The mid-high range systems are each equipped with 2 x 10 cm (4") high-performance speakers and a magnetostatic speaker for a perfect reproduction rich in detail. The dynamic characteristics are absolutely convincing, at the same time the tonality at the basic setting is very pleasant. Despite its compact size, the bass module with 2 x 20 cm (8") bass speaker provides an amazingly deep bass reproduction and a high level stability which is only possible by using special bass speakers of very high power capability and the comprehensive DSP optimisation.
The software allows the following adjustments (min. system requirement is a Windows PC only, WIN98 or higher, with CD drive and interface):

- Parametric equalizer (6 bands)
- Filters (high-pass or low-pass up to 36 dB/oct. with various characteristics)
- Level
- Compression and limiting
- Delay

Up to 10 L-RAY systems can be addressed via one RS-485 data bus. With the optional USB/RS-485 converter DA-70157, it is possible to connect a PC or laptop with USB port to the serial RS-485 interface.
On delivery, the software of the system is matched to a perfect base linearity and can be used immediately. Otherwise, the software adjustments are extremely easy to do and sound engineers can even operate it intuitively.

The system is supplied with a robust mounting frame which is both suitable for suspended installation and for floor and stage applications. The array elements can be curved in 1° steps. The individual components are locked via quick-release pins. The mounting frame also allows for suspended installation of the array elements only, without the subwoofer.
Furthermore, the array elements feature a connecting plate for a bracket for mounting it onto a stand. With the accessories LR-1000U and KM-21367, which are both available at option, the system also allows for a ground-stacked configuration. For this purpose, the subwoofer cabinet features a recessed M20 mounting plate.
The speaker cables with NEUTRIK SPEAKON connectors are in the scope of delivery and allow to connect the parts with each other and with the subwoofer.
Connection to the mains is done via a POWERCON jack, suitable mains cable AAC-115P is included in the delivery.
The robust wooden cabinets feature grilles and a durable structured coating.
The L-RAY/1000 systems are a very high-quality solution for every PA application where both perfect tonality and perfect radiation across the room are required. The advantages of the system particularly take effect with fixed installations in clubs and discotheques as well as mobile stage applications of medium size. For larger PA applications, the use of several L-RAY in a cluster is recommended.

For installation by experts only! Please pay attention to the use of appropriate installation material, as otherwise persons and units will be put at risk.

L-RAY/1000 now with quick-release pins!

Xound 01/2009
“The L-RAY/1000 gives a convincing performance. The system provides a detailed reproduction of absolutely low distortion up to the highest frequencies, even at high volume levels. A real pleasure with perfect speech intelligibility. Excellent price-performance ratio!”

SOUNDCHECK 05/2008

“Remarkable features for this price class. The L-RAY/1000 provides a clear and precise sound with a little help from the system controller and impresses by remarkable level reserves.”

tools4music 03/2008

“Beside an unobtrusive appearance, the L-RAY/1000 also provides a pleasant sound with a good speech intelligibility and convincing operating ranges. It is quite amazing what this little system is capable of.”

Dirk Wedell, PROSOUND 04/2008

“The L-RAY from IMG Stage Line is a useful tool which is available at a favourable price and works exactly as you need it.”

Manufacturer information:
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Warning and Safety Instructions

The device is supplied with dangerous mains voltage. Leave servicing to skilled personnel only and do not insert anything into the air vents. Risk of electric shock!
Do not use this device and disconnect it immediately from the power supply if the device or the power supply cable is visibly damaged, if a defect might have occurred after the device was dropped or suffered a similar accident, if malfunctions occur. Any repairs must be carried out by specialists.
The product is suitable for indoor use only. Protect it against dripping water, splash water and high air humidity (admissible ambient temperature range is 0 - 40 °C).
Never pull the mains cable to disconnect the mains plug from the socket, always seize the plug.
The heat generated in the device must be dissipated by air circulation. Never cover the air vents of the housing.
If the device is to be put out of operation definitely, dispose of the product in accordance with local regulations.

SPECIFICATIONS

L-RAY/1000	
Active/passive	active
Transmission technology	cable
Total output power	1,000 W
Power rating (RMS)	700 W (350 W + 350 W)
Frequency range	50-25,000 Hz
THD	< 0.1%
S/N ratio	80 dB
Input signal	1-10 V/30 kΩ
System	compact line array
Bass speaker	2 x 20 cm (8")
Midrange speaker	8 x 10 cm (4")
Tweeter	4 x magnetostatic speaker
Number of speakers	14
Speaker size	20 cm (8")
SPL	98 dB/W/m

L-RAY/1000

Max. rated SPL	121 dB
Radiation angle/beam angle	hor. 120°, vert. 30°-90° var.
Radiation angle, horizontal	120°
Radiation angle, vertical	30°-90° var.
Housing material	wood
Colour	black
Mounting device	mounting frame
Admiss. ambient temp.	0-40 °C
Power supply	~ 230 V/50 Hz/1,400 VA
Dimensions	495 x 850 x 610 mm
Width	495 mm
Height	850 mm
Depth	610 mm
Weight	47.88 kg
Inputs	XLR jack (line), NEUTRIK SPEAKON (speaker) PowerCon (power supply)
Outputs	XLR par. out (line), NEUTRIK SPEAKON par. out (speaker)
Other features	interface for DSP programming:USB, RS-232, RS-485 IN & OUT,supplied with software which is bothextremely easy to use and very efficient
Packaging dimensions (W x H x L)	0.72 x 0.64 x 0.72 m
Gross weight	55.76 kg
Net weight	47.88 kg

L-RAY/1000

EAN code	4007754202687
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