dBTechnologies



Applications

- Compact live sound reinforcement system
- Permanent installation in theatres, houses of worship, convention centres
- Portable PA, retail, clubs, ballrooms, houses of worship, corporate AV, live theatres

Features

- 2-Way Active Speaker
- 2x10" woofer; 1.4" compression driver
- 900W RMS Class-D Digipro[®] G3 amplifier
- Asymmetrical Vertical Coverage
- Digital Steering Coverage
- Element Position Detection
- Speakers with neodymium magnet
- User-friendly interface (OLED-encoder)
- Unique Speaker Lock System
- Delay on Board
- Microphone HPF and Notch Filter (variable freq)

Description

INGENIA is a new range of portable speakers, modular, flyable, with a user-friendly interface, able to automatically sets up to ensure best coverage, acoustic coherence and high sound pressure. It consists of four models: IG1T, 2T, 3T and 4T with different transducer configurations (all with neodymium magnets) and powers. The IG3T features 2x10" woofers, a 1.4" compr. driver and is equipped with a 900W RMS Digipro® G3 digital amplifier, which combines high power, lightweight design, SMPS technology with PSU auto-range and a remarkably efficiency.

The horn of the IG3T is horizontally symmetric and vertically asymmetric (narrower in the upper part and wider in the lower). This is because this speaker is designed to work in single or stacked configuration with the two horns coupled one against the other by overturning the upper unit on the lower one. The mechanical design of the waveguide, furthermore, is supported by a sophisticated processing in order to steer coverage according to the presence or not of a second speaker stacked. The DSP doesn't act only on the compression driver, but also on woofers, ensuring maximum intelligibility and transparency in the whole frequency range.

The IG3T is equipped with an infrared system in the two handles on top and bottom sides. When a second unit in stacked on another, there is a quick exchange of information between the two DSPs, which auto setup to operate as a single speaker. This infrared detection system does not suffer the presence of sunlight.

The advanced interface always guides the user and automatically sets up the system by managing mixer, power amplifier, EQs, levels as well as all input devices. A variety of preset configurations are available. The OLED display, visible even in the sunlight and equipped with a self-rotation device, provides all the necessary information to the total system control. All editing operations are carried out through a single rotary encoder with switch.

The locking system of the INGENIA is extremely rugged and reliable. Moreover, to ensure the speakers to be perfectly aligned before locking the clamps, there are some feet and recessions on the top and the bottom of the enclosure.

A new fly-bar, adaptable to all INGENIA models, allows the user to hang up two speakers in vertical array. Then the user will choose the appropriate processing preset and get a real line-array system. The housing is made of reinforced polypropylene with a very elegant look and a finishing almost like a painting. Internally, there is an aluminium reinforcing structure that, in addition to dampen vibration and improve the acoustic characteristics of the speaker, makes it much more tough.

IG3T Technical Specifications

Acoustical dataFrequency Response [- 10dB]53 - 20.000 HzFrequency Response [- 10dB]57 - 19.200 HzMax SPL122 dBHF1.4", 3" v.c.Directivity (HxV)130 x 90" (4z0" - 70")HF TypeNeodymium compression driverHornVertical asymmetricCrossover Frequency1100 HzLF2x10", 2.5" v.c.LF TypeNeodymiumAmplifler1200 HzAmplifler900 WattPeak Power900 WattPeak Power900 WattPeak Power900 WattPoak Power900 WattPoak Power24bit/48kHzUnimerDSP 56 bitAD/DA converter24bit/48kHzUser Interface0LED display + rotative knob w/switchSignal Input1 x Combo IN (NLR + Jack 6.5mm)Signal Outx XLR link OUTService PortMini USBMains ConnectorNew Neutrik® NAC3PXFeatures24fors/100 - 15/107-57-10"EQAcoustic Correction (Lo/H iShelving, Mid Attenuation)Microphone HPF and Notch Filter (Variable Freq.)Dielay On BoardDigital Steering+107+57/10"-57-10"EQAcoustic Correction (Lo/H iShelving, Mid Attenuation)Microphone HPF and Notch Filter (Variable Freq.)Dielay On BoardDigital Steering+201-15/107-57-10"EQMicrophone HPF and Notch Filter (Variable Freq.)Dielay On BoardStem on Lio.2 in)HousingPolypopyene PP reinforcedGrilleFULL	Speaker Type	2-Way Active Speaker
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GrilleFULL/Invisible screwsFlyableYesHandles1x on top / 1x on bottomPole MountStandard D36mmWidth280 mm (11.02 in)Height806 mm (31.73 in)Depth393 mm (15.47 in)	Housing	Polypropylene PP reinforced
Handles1x on top / 1x on bottomPole MountStandard D36mmWidth280 mm (11.02 in)Height806 mm (31.73 in)Depth393 mm (15.47 in)		
Handles1x on top / 1x on bottomPole MountStandard D36mmWidth280 mm (11.02 in)Height806 mm (31.73 in)Depth393 mm (15.47 in)	Flyable	Yes
Pole MountStandard D36mmWidth280 mm (11.02 in)Height806 mm (31.73 in)Depth393 mm (15.47 in)		1x on top / 1x on bottom
Width 280 mm (11.02 in) Height 806 mm (31.73 in) Depth 393 mm (15.47 in)	Pole Mount	
Height 806 mm (31.73 in) Depth 393 mm (15.47 in)	Width	
Depth 393 mm (15.47 in)		
	-	

IG3T Technical Specifications

Rear Panel



Overall Dimensions



Accessories

DRK-IG	Flybar for INGENIA Series
GSA-IG	Ground stacking adapter for INGENIA Series and SUBs
LP-IG	Link bracket for INGENIA Series. Sold in pairs
RC-M1	Magnetic rain cover for INGENIA Series

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dBTechnologies products are continually improved. All specifications are therefore subject to change without notice.