

ULTRAWAVE[®]

B300

Technical Specifications

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ENGLISH



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ULTRAWAVE®

Fully Active 2-Way Loudspeaker System with Integrated EQ and Mic Preamp

- ▲ 2-way bi-amping for excellent sound reproduction
- ▲ Two integrated high-power amps for low and high frequency ranges delivering a total of 300 Watts
- ▲ High-efficiency components for extremely high sound pressure levels and ultra-low distortion
- ▲ Extensive phase and time correction ensures perfect system alignment
- ▲ Innovative Reflex Cooling System for automatic convection-type cooling
- ▲ Extremely rugged, low-resonance plastic enclosure
- ▲ Special design allows for flying operation
- ▲ High-efficiency 1.25" compression driver with titanium dome for excellent high-frequency reproduction
- ▲ 15" long-throw woofer with high-power magnet
- ▲ Integrated 2-band equalizer and on-board crossover network with integrated limiter ensures speaker protection
- ▲ Balanced audio inputs on XLR and ¼" TRS connectors
- ▲ High-quality microphone preamplifier allows for direct connection of dynamic microphones
- ▲ Signals can be looped through to drive additional B300's
- ▲ Clearly visible power and overload LED's on front and rear panel for optimal operational control
- ▲ Integrated suspension points and socket for pole or stand mounting
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

SPEAKER COMPLEMENT

High-performance woofer 15P200A3

Diameter	15" (385 mm)
Sensitivity	98 dB @ 1 W / 1 m
Impedance	3 ohms
Power (RMS / music)	200 W / 400 W

Tweeter compression driver 34P30A8

Diameter	1.25" (34 mm)
Sensitivity (with horn)	105 dB @ 1 W / 1 m
Impedance	8 ohms
Power (RMS)	30 W / 2 kHz @ 12 dB/oct.

Horn (dispersion angle) 100° x 40°

AMPLIFIERS

Woofer range

Power (RMS)	175 W @ 3 ohms / 0.1% THD
Power (Peak)	230 W

Tweeter range

Power (RMS)	50 W @ 8 ohms / 0.1% THD
Power (Peak)	70 W

Limiter

opto-controlled

AUDIO INPUTS

XLR connector	(servo-balanced)
1/4" TRS	(servo-balanced)
Input resistance	20 kohms
Sensitivity (line)	-4 dB to +18 dB
(mic)	-24 dB to -4 dB

AUDIO OUTPUT

XLR connector

SYSTEM DATA

Frequency range	50 Hz to 18 kHz
Crossover frequency	2 kHz (12 dB / 24 dB)
Bass reflex alignment	6 th order
Max. SPL	124 dB @ 1m

POWER SUPPLY

Mains voltage	U.S./Canada	120 V ~, 60 Hz
	U.K./Australia	240 V ~, 50 Hz
	Europe	230 V ~, 50 Hz
	General export model	100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz
	Power consumption	300 W max.
Fuse	100 - 120 V ~:	T 6,3 A H
	200 - 240 V ~:	T 3,15 A H
Mains connection	Standard IEC connector	

PHYSICAL

Dimensions (H * W * D)	app. 28" (710 mm) * 17.8" (45 mm) * 16.8" (425 mm)
Weight	app. 29 kg

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