

ART 500 SERIES



THE ART EVOLUTION CONTINUES

In 1998, the ART 500 Series was launched to provide systems for larger venues in both MI and Multimedia situations. This transition represented a milestone in the RCF electro-acoustic evolution. The technology required to load a 15 inch speaker into an ART enclosure was entirely different from that of the 300 Series. The result was a completely new set of parameters.

The secret of the ART 500 lies in its new technology 15 inch woofer, together with the latest in loudspeaker cone developments for long term reliability. This, combined with a new generation of 2 inch Titanium Technology compression drivers, coupled to an integral RCF Polynomial horn provides high frequency reproduction up to 20,000Hz.

Another feature unique to the ART 500 Series is Horn Resonance Control (HRC). Exclusive to RCF, this dramatically reduces Ring Resonance within the compression chamber. Moreover, it effectively provides smoother HF together with improved dispersion characteristics for increased intelligibility.

All ART Series loudspeaker systems are available as true Active Systems with built in Bi-Amplified High Efficiency amplifiers, or as Passive Systems with RCF Exclusive (LICC) Low Impedance Compensated Crossover design technology.

ART 500A

ACTIVE SPEAKER SYSTEM

- 15" diameter - 3" voice coil woofer
- 2" titanium new generation compression driver
- 80° x 60° constant directivity polynomial horn
- 'HRC' (horn resonance control) technology
- Twin integrated monolithic high efficiency power amplifiers
- Complete protections
- Input limiter
- Balanced XLR input and output connectors
- Switchable MIC/LINE input sensitivity
- Switchable equalisation cells for music or voice
- Input gain control
- Processor limiter function led indicator
- Male / female IEC power connectors
- Twin hand grasps
- Internal insert for optional speaker stand (SP)
- Internal M10 & M8 threaded inserts for optional mounting hardware
- Protective loudspeaker grille
- Road tough construction and light-weight portability
- Wood polypropylene composite structure



SPECIFICATIONS

MODEL	ART 500A
TYPE	2 - way bass reflex speaker system
COMPONENTS	15" diameter - 3" voice coil woofer 2" titanium compression driver
ANGLE OF COVERAGE	80° x 60° (horn directivity)
FREQUENCY RESPONSE	40 Hz - 20 kHz
MAX. SPL (1 m)	126 db (Nominal Power)
MAX. SPL (1 m)	129 db (Peak Power)
PROCESSOR SECTION	
CROSSOVER FREQUENCY	1200 Hz
CROSSOVER SLOPES	24 dB/Oct
SPEAKER PROTECTION	Thermal
AMPLIFIERS SECTION	
NOMINAL POWER	400 W LF, 100 W HF
MUSICAL POWER	800 W LF, 200 W HF
PROTECTIONS	Thermal - Limiter - Short circuit
AUDIO CONNECTIONS	In/Out balanced XLR
INPUT SENSITIVITY	LINE: 0 dB - MIC -20 dB
INPUT IMPEDANCE	LINE: 21 k Ω (bal.) - 10.5 k Ω (unbal.) MIC : 1.3 k Ω (bal.) - 670 Ω (unbal.)
CONTROLS	
	Master volume Music push-switch: + 4.5 dB at 100 Hz, + 2.8 dB at 10kHz Voice push-switch + 3 dB at 2.2 kHz, + 2.7 dB at 10 Khz Line/Mic sensitivity push-switch
LED INDICATORS	Operate / Protection
PROTECTIONS	Thermal - Limiter - Short circuit
POWER SUPPLY	115 / 230 Vac (\pm 5%) - 50-60 Hz
CONSUMPTION	900 VA
ENCLOSURE	
ENCLOSURE MATERIAL	Loaded polypropylene, multilayer wood
COLOUR	Anthracite grey
INSERTS	4 M10 + 2 M8 threaded inserts for brackets, and insert for stand-mounting with threaded locking
DIMENSIONS (H x W x D)	740 x 454 x 375 mm
INTERNAL VOLUME	75 litres
NET WEIGHT	38 kg

ART 800AS

ACTIVE SUBWOOFER SPEAKER SYSTEM

- 15" diameter - 4" voice coil woofer
- 400 W monolithic high efficiency power amplifier
- Complete protections
- Input limiter
- Balanced XLR input and output connectors
- Switchable MIC/LINE input sensitivity
- Switchable equalisation cells for music or voice
- Phase polarity switch
- Phase reversal led indicator
- Level control
- Processor limiter function led indicator
- Male / female iec power connectors
- Twin hand grasps
- Internal insert for optional speaker stand (SP)
- Internal M10 threaded inserts for optional mounting hardware
- Protective loudspeaker grille
- Road tough construction and light-weight portability
- Wood polypropylene composite structure



SPECIFICATIONS

MODEL	ART 800AS
TYPE	bass reflex subwoofer
COMPONENT	15" diameter - 3" voice coil woofer
FREQUENCY RESPONSE	40 Hz - 200 Hz
MAX. SPL (1 m)	123 db (Nominal Power)
MAX. SPL (1 m)	126 db (Peak Power)
PROCESSOR SECTION	
CROSSOVER FREQUENCY	80 Hz
CROSSOVER SLOPE	24 dB/oct - 80 Hz - LPF only
SPEAKER PROTECTION	Thermal
AMPLIFIERS SECTION	
NOMINAL POWER	400 W
MUSICAL POWER	800 W
PROTECTIONS	Thermal - Limiter - Short circuit
AUDIO CONNECTIONS	In/Out balanced XLR
INPUT SENSITIVITY	LINE: -12 dB - MIC : -32 dBm (100 Hz)
INPUT IMPEDANCE	LINE: 21 k Ω (bal.) - 10.5 k Ω (unbal.)
	MIC : 1.3 k Ω (bal.) - 670 Ω (unbal.)
CONTROLS	
	Master volume
	Line/Mic sensitivity push-switch
	Phase push-switch : 0° - 180°
LED INDICATORS	Operate / Protection / Input phase
POWER SUPPLY	115 / 230 Vac (\pm 5%) - 50-60 Hz
CONSUMPTION	800 VA
ENCLOSURE	
ENCLOSURE MATERIAL	Loaded polypropylene, multilayer wood
COLOUR	Anthracite grey
INSERTS	4 M10 + 2 M8 threaded inserts for brackets, and insert for stand-mounting with threaded locking
DIMENSIONS (H x W x D)	740 x 454 x 375 mm
INTERNAL VOLUME	75 litres
NET WEIGHT	37 kg

ART 500

COMPACT 15 INCH TWO-WAY SPEAKER SYSTEM

- 15" diameter - 4" voice coil woofer
- 2" titanium new generation compression driver
- 80° x 60° constant directivity polynomial horn
- 'HRC' (horn resonance control) technology
- RCF exclusive 'LICC' (low impedance compensated crossover) passive network design
- RCF 'OVD' (over-voltage disposal) electronic driver protection
- Wide frequency response combined with high efficiency
- Twin NL4MP speakon connectors
- Twin hand grasps
- Internal insert for optional speaker stand (SP)
- Internal M10 & M8 threaded inserts for optional mounting hardware
- Protective loudspeaker grille
- Road tough construction and light-weight portability
- Wood polypropylene composite structure



SPECIFICATIONS

MODEL	ART 500
TYPE	2-way bass reflex speaker system
NOMINAL POWER	500 W
MUSICAL POWER	1000 W
PEAK POWER	2000 W
NOMINAL IMPEDANCE	8 Ohm
COMPONENTS	15" woofer with 4" voice coil 2" titanium compression driver
ANGLE OF COVERAGE	80° x 60° (horn directivity)
FREQUENCY RESPONSE	50 Hz - 18 kHz
SENSITIVITY (1 W/1 m)	101 dB SPL (in anechoic chamber)
MAX SPL (1 m)	127 db (nominal power)
MAX SPL (1 m)	130 db (musical power)
TUNING FREQUENCY	50 Hz
CROSSOVER FREQUENCY	1200 Hz
CROSSOVER SLOPES	12/12 dB/oct
PROTECTIONS	OVD (Electronic) & electric on driver
AUDIO CONNECTORS	In/Out Neutrik 'Speakon'
ENCLOSURE	
ENCLOSURE MATERIAL	Loaded polypropylene/multilayer wood
COLOUR	Anthracite grey
INSERTS	4 M10 + 2 M8 threaded inserts for brackets, and insert for stand-mounting with threaded locking
DIMENSIONS (H x W x D)	740 x 454 x 375 mm
INTERNAL VOLUME	75 litres
NET WEIGHT	33 kg

ART 800S

PASSIVE SUBWOOFER SPEAKER SYSTEM

- 15-inch high efficiency woofer with 4-inch extended voice coil
- Optimised internal bass filter network
- Twin NL4MP speakon connectors
- Twin hand grasps
- Internal insert for optional speaker stand (SP)
- Internal M10 & M8 threaded inserts for optional mounting hardware
- Protective loudspeaker grille
- Road tough construction and light-weight portability
- Wood polypropylene composite structure



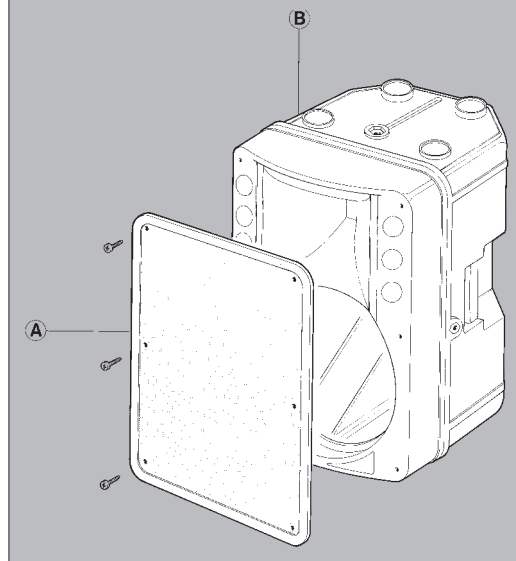
SPECIFICATIONS

MODEL	ART 800S
TYPE	Bass reflex Subwoofer
NOMINAL POWER	400 W
MUSICAL POWER	800 W
PEAK POWER	2000 W
NOMINAL IMPEDANCE	8 Ohm
COMPONENTS	15 " diameter, 4" voice coil
FREQUENCY RESPONSE	40 - 200 Hz
MAX SPL (1 m)	125 dB (peak power)
CROSSOVER FREQUENCY	150 Hz, 6 dB/oct
AUDIO CONNECTORS	2 In/out Neutrik Speakon
ENCLOSURE	
ENCLOSURE MATERIAL	Loaded polypropylene/multilayer wood
COLOUR	Anthracyte grey
INSERTS	4 M10 + 2 M8 threaded inserts for brackets, and insert for stand-mounting with threaded locking
DIMENSIONS (H x W x D)	740 x 454 x 375 mm
INTERNAL VOLUME	75 litres
NET WEIGHT	33 kg

ALL FEATURED ACCESSORIES ARE BLACK

ART A8

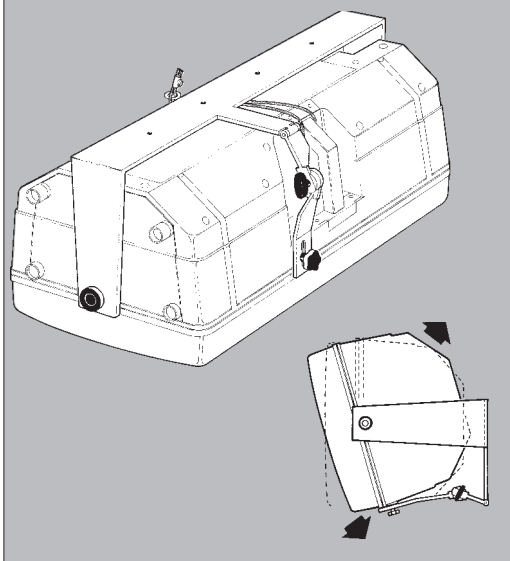
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Installations front metal grille

ART A9

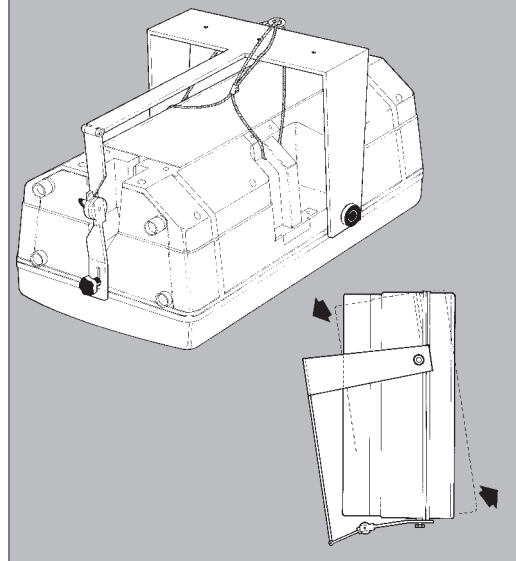
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Wall mounting bracket - Horizontal

ART A10

Code no. 133.20.013



Wall mounting bracket - Vertical