HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V6 is a very compact, full range, extremely versatile two-way loudspeaker system. It offers substantial output and efficiency for a variety of professional applications that include portable systems, small sound reinforcement, permanent installations and supplementary fill for larger systems. The high-frequency section is a constant directivity CMD horn mathematically designed for Constant Matching Design in relation to the woofer system, loaded on a compression driver with a 1.7" diaphragm assembly for smooth, controlled dispersion. The low-frequency transducer is a tight, high power 6" mid-bass with a 1.8" voice coil.

- 6" high power, 1.8" voice coil mid bass
- 1 x 1.7" high power titanium compression driver
- 123 dB max SPL
- 200 Watt AES
- High output, response down to 60 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.437



WOOFER

The V6 woofer is a new design featuring 1.8" aluminum voice coil, high excursion, handling 200 watt AES power. The cone is weather protected for long lasting installations.

COMPRESSION DRIVER

The V6 features a high performance 1.7" diaphragm compression driver with a 1.0" exit throat. The diaphragm is precision formed from polyester. The voice coil assembly is designed using high temperature Kapton former, rectangular profile copper clad aluminium wire and assembled using advanced, specially formulated adhesives.



The V6 is the smallest member of the V MAX family and is a really flexible and powerful tool in its class. An extremely careful acoustic design, the highest quality transducers, the powerful amplifier makes this system the perfect solution from the small sound reinforcement to playback and monitoring, from corporate events to DJs and club distributed systems.



The cabinet is built in baltic birch plywood, coated with high resistance polyurea paint and features a steel pole mount cap and rear mounting M10 points. The side is designed with an angle for near field monitoring or under-balcony applications.





LOGO The V6 logo can rotate for horizontal or vertical installation.



FREQUENCY RESPONSE (-10 dB)	60 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	60°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	94 dB , 1W @ 1m (1)
MAX SPL	123 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm
POWER HANDLING	200 W ⁽²
PEAK POWER HANDLING	800 W ⁽²
RECOMMENDED AMPLIFIER	400 W ⁽²
PROTECTIONS	Dynamic
CROSSOVER FREQUENCIES	1.2 kHz

TRANSDUCERS

WOOFER	6" woofer 1.8" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	150 W AES ; 300 W Peak
SENSITIVITY	94 dB, 1W @ 1m
COMPRESSION DRIVER	1.0" driver 1.7" voice coil
IMPEDANCE	8 Ohm

50 W AES ; 100 W Peak 108 dB, 1W @ 1m

SENSITIVITY

INPUT POWER RATING

PHYSICAL	
CABINET	15 mm Birch Plywood
HARDWARE	Pole mount, 10 x M10
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	15.75" x 9.06" x 10.46" 400 x 230 x 256.6 mm
WEIGHT:	19.84 lbs - 9 Kg

HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V10 is a compact, full range, extremely versatile two-way loudspeaker system. It offers substantial power and efficiency for a variety of professional applications that include portable systems, sound reinforcement, permanent installations and supplementary fill for larger systems. The high-frequency section is a constant directivity CMD horn mathematically designed for Constant Matching Design in relation to the woofer system, loaded on a neodymium compression driver with a 2.5" diaphragm assembly for smooth, controlled dispersion. The low-frequency transducer is a tight, high power 10" mid-bass with a 2.5" voice coil.

- 10" high power, 2.5" voice coil mid bass
- 1x 2.5" high power titanium neo compression driver
- 130 dB max SPL
- 350 Watt AES
- High output, response down to 55 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.438



WOOFER

The V10 mid bass transducer is designed to provide an excellent frequency response linearity with very low distortion. A very strong magnetic structure guarantees dynamic and precision, a new and unique 2.5" voice coil design provides a very high power handling.



CONNECTIONS

Connections are made through two Neutrik Speakon NL4 connectors (audio input and parallel link output).

COMPRESSION DRIVER

The V10 features a high performance 2.5" diaphragm compression driver with a 1.4" exit throat.

The diaphragm is precision formed from titanium. The voice coil assembly is designed using high temperature Kapton former, rectangular profile copper clad aluminium wire and assembled using advanced, specially formulated adhesives.











HEAVY DUTY POLYUREA PAINT

The paint department inside our factory in Italy utilizes a special polyurea paint to create a very thick full coating of the cabinet making it highly resistant to scratches and bumps.



FREQUENCY RESPONSE (-10 dB)	55 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	60°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	98 dB , 1W @ 1m (1)
MAX SPL	130 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm
POWER HANDLING	350 W ⁽²⁾
PEAK POWER HANDLING	1400 W ⁽²⁾
RECOMMENDED AMPLIFIER	700 W ⁽²⁾
PROTECTIONS	Dynamic
CROSSOVER FREQUENCIES	1.0 kHz

TRANSDUCERS

IRANSDUCERS	
WOOFER	10" woofer 2.5" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	250 W AES ; 500 W Peak
SENSITIVITY	98 dB, 1W @ 1m
COMPRESSION DRIVER	1.4" driver 2.5" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	90 W AES ; 180 W Peak
SENSITIVITY	110 dB, 1W @ 1m

PHYSICAL

CABINET	15 mm Birch Plywood
HARDWARE	Pole mount
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	21.26" x 13.39" x 13.11" 540 x 340 x 333 mm
WEIGHT:	33.06 lbs - 15 Kg

HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V 35 is a full range, extremely versatile controlled dispersion two-way loudspeaker system. This offers substantial power and efficiency for a variety of professional applications that include portable systems, primary sound reinforcement, plus permanent installations and supplementary fill for larger systems. The high-frequency section is a constant directivity CMD horn mathematically designed for Constant Matching Design compared to the woofer system, loaded on a neodymium compression driver with a 3.0" titanium diaphragm assembly for smooth, controlled dispersion. The low-frequency transducer is a high power 15" woofer with a 4.0 " voice coil.

- 15" high power, 4" voice coil hypervented woofers
- 1 x 3" high power titanium neo compression driver
- 132 dB max SPL, 900 Watt AES
- Very high output, response down to 40 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.412



WOOFER

The low-frequency transducer is a high power 15" woofer with a 4.0" voice coil built in our factory in Italy using the most advanced assembly technologies.

COMPRESSION DRIVER
The CMD horn is loaded to a
Neodymium compression driver with
a 3.0" titanium diaphragm assembly
for smooth, controlled dispersion.



The loudspeaker enclosure shape is multi-angle and offers a floor monitoring position. The cabinet is constructed in multi-ply birch plywood and finished in a very resistant, textured, polyurea black paint.

The cabinet includes a recessed handle for transportation and positioning and a total of six double M10 fixing point for flown applications with internal metal bracing.

The cabinet features two Neutrik Speakon™ connectors in a recessed input plate.

A 2-position high power selector

A 2-position high power selector set the system in passive or biamped mode.









The system includes a high-level crossover network that features markedly lower (than conventional) induction values in series with the woofer. The benefits are reduction in delay, reduced phase shift and superior transient response. The high power internal passive filter provides crossover protection and equalisation. The system is able of producing a Max SPL of 137 dB and handles 900 Watts AES (LF) + 110 Watt AES (HF).



ACOUSTICAL SPECIFICATIONS

FREQUENCY RESPONSE (-10 dB)	40 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	40°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	97 dB , 1W @ 1m (1)
MAX SPL	132 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm
POWER HANDLING	900 W ⁽²⁾
PEAK POWER HANDLING	3600 W ⁽²⁾
RECOMMENDED AMPLIFIER	1800 W ⁽²⁾
PROTECTIONS	Bulb Lamp
CROSSOVER FREQUENCIES	1.4 kHz

TRANSDUCERS

WOOFER	15" woofer 4" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	900 W AES ; 1800 W Peak
SENSITIVITY	97 dB, 1W @ 1m
COMPRESSION DRIVER	1.4" driver 3" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	110 W AES ; 220 W Peak
SENSITIVITY	109 dB, 1W @ 1m

PHYSICAL

CABINET	15 mm Birch Plywood
HARDWARE	Pole mount, 10 x M10
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	29.07" x 17.32" x 13.78" 738.5 x 440 x 350 mm
WEIGHT.	68.3 lbs - 31 Ka

HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V45 is a two-way full range loudspeaker system that incorporates 2 x 15" LF transducers and a 4" voice coil, titanium, compression driver. The system is very compact and provides very high output and accurate voice and sound reproduction. The system is equipped with the latest generation RCF precision transducers.

The LF drivers are equipped with a 4" voice coil and a state of the art ferrite motor, mounted in a vented enclosure with optimised front loading.

The 4.0" HF titanium compression driver is a state of the art in compression drivers designs and is loaded on a constant directivity horn with a perfect coverage of 90° x 40° .

- 2 x 15" high power, 4" voice coil hypervented woofers
- 1x 4" high power titanium neo compression driver
- 137 dB max SPL, 1800 Watt AES
- Very high output, response down to 30 Hz.
- Birch plywood cabinet.
- Whether resistant, textured, polyurea finish.
- Epoxy powder coated front grille

p.n. 130.00.413



COMPRESSION DRIVER
The 4.0" HF titanium compression driver is loaded on a constant directivity horn with a perfect coverage of 90° x 40°.

The high power internal passive filter provides crossover protection and equalisation.

The system is capable of producing a Max SPL of 137 dB and handles 1800 Watts AES (LF) + 140 Watt AES (HF).





2 X 15" LF TRANSDUCERS

The system is equipped with the latest generation RCF precision transducers.

The LF drivers are equipped with a 4" voice coil and a state of the art ferrite motor, mounted in a vented enclosure with optimised front loading.

The loudspeaker enclosure shape is trapezoidal and offers a coupling angle each side. The cabinet is constructed in multi-ply birch plywood and finished in a highly resistant, textured, polyurea black paint.

The cabinet includes two recessed handles for transportation and positioning and a total of six double M10 fixing point for flown applications with internal metal bracing.

The epoxy coated front steel grille features side mounted rubber dampeners and foam backing.



The cabinet features two Neutrik Speakon™ connectors in a recessed input plate. A 2-position high power selector sets the system in passive or bi-amped mode.



ACOUSTICAL SPECIFICATIONS

FREQUENCY RESPONSE (-10 dB)	30 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	40°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	99 dB , 1W @ 1m (1)
MAX SPL	137 dB, @ 1m
NOMINAL IMPEDANCE	4 Ohm
POWER HANDLING	1800 W ⁽²⁾
PEAK POWER HANDLING	7200 W ⁽²⁾
RECOMMENDED AMPLIFIER	3600 W ⁽²⁾
PROTECTIONS	Bulb Lamp
CROSSOVER FREQUENCIES	1.2 kHz

TRANSDUCERS	
WOOFER	2 x 15" woofer 4" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	900 W AES ; 1800 W Peak
SENSITIVITY	97 dB, 1W @ 1m
COMPRESSION DRIVER	1.4"driver 4" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	140 W AES ; 280 W Peak
SENSITIVITY	110 dB, 1W @ 1m

PHYSICAL

CABINET	15" Birch Plywood
HARDWARE	12 x M10
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	43.64" x 21.82" x 22.81" 1108.5 x 554.3 x 579.3 mm
WEIGHT:	137.7 lbs - 62.5 Kg

V218-S

HIGH POWER, BASS REFLEX SUBWOOFER SYSTEM

The V218-S is a compact, high-output bass reflex subwoofer. The system is equipped with two advanced neodymium 18" RCF precision woofers mounted in a front-loaded configuration.

This new high power design marks the latest refinements in RCF experiences in compact subwoofer design, resulting in a fast and controlled reproduction of the bass frequency range. The two transducers couple to achieve tight and maximised output, while the subwoofer design ensures an efficient acoustic response down to 30 Hz.

- 2 x 18" high power, 4" voice coil hypervented woofers
- 141 dB max SPL, 3000 Watt AES
- Very high output, response down to 30 Hz.
- Birch plywood cabinet.
- Weather resistant, textured, polyurea finish.
- Epoxy powder coated front grille

p.n. 130.00.414



The low-frequency transducer is a hypervented vented, high excursion RCF Precision 18" woofer with a 4" inside/outside voice coil to minimize power compression and extend the life of the product.

The system is capable of producing a Max SPL of 141 dB and handles 3000 Watts AES.

The loudspeaker enclosure shape is rectangular and the cabinet is constructed in multi-ply birch plywood and finished in a weather-resistant, textured, polyurea black paint.

It features four side handles and rubber feet.

The epoxy coated front steel grille features side mounted rubber dampeners and foam backing.







SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQ. RANGE (-10 dB): 30 Hz - 250 kHz

SYSTEM SENSITIVITY: 99 dB , 1W @ 1m ⁽¹⁾

RATED MAXIMUM SPL: 141 dB, @ 1m

SYSTEM NOMINAL IMPEDANCE: 4 Ohm

SYSTEM INPUT POWER RATING RMS: 3000 W ⁽²⁾

SYSTEM INPUT POWER RATING PEAK: 12000 W

RECOMMENDED AMPLIFIER: 6000 W ⁽³⁾

TRANSDUCERS

LOW FREQUENCY:

2 x 18" woofer
4" voice coil

NOMINAL IMPEDANCE:
8 Ohm
INPUT POWER RATING:
1500 W AES each

PHYSICAL

WEIGHT:

ENCLOSURE: F
RIGGING INSERTS:
COLOR:
GRILLE:
INPUT CONNECTORS:
DIMENSIONS
(H x W x D):

Rectangular, 15 mm birch plywood
Pole mount
Black, scratch resistant paint
Custom perforated steel grille
2 x SPEAKON NL4
22.406" x 47.24" x 29.33"
569 x 1200 x 745 mm
172 lbs - 78 Kg



The cabinet features two Neutrik Speakon™ connectors in a recessed input plate.

A 2-position high power selector set the transducers in parallel or independent input mode.



V221-S

HIGH POWER, BASS REFLEX SUBWOOFER SYSTEM

The V221-S is a very high-output bass reflex subwoofer.

The system is equipped with two advanced 21" RCF precision woofers mounted in a front-loaded configuration.

This new high power design marks the latest refinements in RCF experience in compact subwoofer design, resulting in a fast and controlled reproduction of the bass frequency range. The two transducers couple to achieve tight and maximised output, while the subwoofer design ensures an efficient acoustic response down to 25 Hz.

- 2 x 21" high power, 4.5" voice coil hypervented woofers
- 143 dB max SPL
- 4000 Watt AES
- Very high output, response down to 30 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.415



Equipped in V221-S, the LF21X451 low frequency transducer is the result of many years of developments with the goal of creating new levels of professional audio performance standards. Incredibly linear frequency response characteristics, the highest power handling of any comparable transducer and the lowest power compression.



The LF21X451 features a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround: this combination provides remarkable strength and a peak to peak maximum excursion of 54 mm.

The new dual forced hyper-venting system guarantees a very efficient voice coil ventilation for minimum power compression and the 2000 Watt AES incredible power handling.



The loudspeaker enclosure shape is rectangular and the cabinet is constructed in multi-ply birch plywood and finished in a weather-resistant, textured, polyurea black paint.

It features four side handles and rubber feet.

The epoxy coated front steel grille features side mounted rubber dampeners and foam backing.





SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQ. RANGE (-10 dB): SYSTEM SENSITIVITY: 100 dB , 1W @ 1m (1) RATED MAXIMUM SPL: 143 dB, @ 1m SYSTEM NOMINAL IMPEDANCE: 4 Ohm SYSTEM INPUT POWER RATING RMS: 4000 W (2) SYSTEM INPUT POWER RATING PEAK: 16000 W RECOMMENDED AMPLIFIER: 8000 W (3)

TRANSDUCERS

LOW FREQUENCY: 2 x 21" woofer 4.5" voice coil NOMINAL IMPEDANCE: 8 Ohm INPUT POWER RATING: 2000 W AES each

PHYSICAL

WEIGHT:

ENCLOSURE: Rectangular, 15 mm birch plywood RIGGING INSERTS: INPUT CONNECTORS: **DIMENSIONS**

Pole mount Black, scratch resistant paint Custom perforated steel grille 2 x SPEAKON NL4 22.406" x 47.24" x 29.33" 585 x 1500 x 870 mm 242,50 lbs - 110 Kg



The cabinet features two Neutrik Speakon™ connectors in a recessed input plate.

A 2-position high power selector set the transducers in parallel or independent input mode.



V6 V10





FREQUENCY RESPONSE (-10 dB)	60 Hz - 20 kHz	55 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°	90°
VERTICAL COVERAGE ANGLE (-6 dB)	60°	60°
DIRECTIVITY FACTOR; Q	10	10
SYSTEM SENSITIVITY	94 dB , 1W @ 1m	98 dB , 1W @ 1m
MAX SPL	123 dB, @ 1m	130 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm	8 Ohm
POWER HANDLING	200 W	350 W
PEAK POWER HANDLING	800 W	1400 W

PEAK POWER HANDLING800 W1400 WRECOMMENDED AMPLIFIER400 W700 WPROTECTIONSDynamicDynamic

CROSSOVER FREQUENCIES 1.2 kHz 1 kHz

TRANSDUCERS

ACOUSTICAL SPECIFICATIONS

 WOOFER
 6" woofer 1.8" voice coil
 10" woofer 2.5" voice coil

 IMPEDANCE
 8 Ohm
 8 Ohm

 INPUT POWER RATING
 150 W AES ; 300 W Peak
 250 W AES ; 500 W Peak

 SENSITIVITY
 94 dB, 1W @ 1m
 98 dB, 1W @ 1m

 COMPRESSION DRIVER
 1.0"driver
 1.4"driver

 1.7" voice coil
 2.5" voice coil

 IMPEDANCE
 8 Ohm
 8 Ohm

 INPUT POWER RATING
 50 W AES ; 100 W Peak
 90 W AES ; 180 W Peak

 SENSITIVITY
 108 dB, 1W @ 1m
 110 dB, 1W @ 1m

PHYSICAL

CABINET 15 mm Birch Plywood 15mm Birch Plywood **HARDWARE** Pole mount Pole mount **COLOR** Black, scratch resistant paint Black, scratch resistant paint GRILLE Custom perforated steel grille Custom perforated steel grille **INPUT CONNECTORS** 2 x SPEAKON NL4 2 x SPEAKON NL4 DIMENSIONS (H x W x D) 15.75" x 9.06" x 10.46" 21.26" x 13.39" x 13.11" 400 x 230 x 265.6 mm 540 x 340 x 333 mm 19.84 lbs - 9 Kg WEIGHT: 33.06 lbs - 15 Kg

V35	V45	V218-S	V221-S
40 11- 20 111-	2011- 20111-	20 Hz 250 Hz	25 Hz 200 Hz
40 Hz - 20 kHz 90°	30 Hz - 20 kHz 90°	30 Hz - 250 Hz	25 Hz - 200 Hz
90 40°	90 40°		
10	10		
97 dB , 1W @ 1m	99 dB , 1W @ 1m	99 dB , 1W @ 1m	100 dB , 1W @ 1m
132 dB, @ 1m	137 dB, @ 1m		
8 Ohm	4 Ohm	141 dB, @ 1m	143 dB, @ 1m
		4 Ohm	4 Ohm
900 W	1800 W	3000 W	4000 W
3600 W	7200 W	12000 W	16000 W
1800 W	3600 W	6000 W	8000 W
Bulb Lamp	Bulb Lamp		
1.4 kHz	1.2 kHz		
15" woofer 4" voice coil	2 x 15" woofer 4" voice coil	2 x 18" woofer 4" voice coil	2 x 21" woofer 4.5" voice coil
8 Ohm	8 Ohm	8 Ohm	8 Ohm
900 W AES ; 1800 W Peak	900 W AES ; 1800 W Peak	1500 W AES each	2000 W AES each
97 dB, 1W @ 1m	97 dB, 1W @ 1m	-	-
1.4"driver 3" voice coil	1.4" driver 4" voice coil	-	-
8 Ohm	8 Ohm	-	-
110 W AES ; 220 W Peak	140 W AES ; 280 W Peak		
109 dB, 1W @ 1m	110 dB, 1W @ 1m		
15 mm Birch Plywood	15mm Birch Plywood	Rectangular, 15mm birch plywood	Rectangular, 15mm birch plywood
Pole mount, 10 x M10	12 x M10	Pole mount	Pole mount
Black, scratch resistant paint	Black, scratch resistant paint	Black, scratch resistant paint	Black, scratch resistant paint
Custom perforated steel grille	Custom perforated steel grille	Custom perforated steel grille	Custom perforated steel grille
2 x SPEAKON NL4	2 x SPEAKON NL4	2 x SPEAKON NL4	2 x SPEAKON NL4
29.07" x 17.32" x 13.78" 738.5 x 440 x 350 mm	43.64" x 21.82" x 22.81" 1108.5 x 554.3 x 579.3 mm	22.406" x 47.24" x 29.33" 569 x 1200 x 745 mm	22.406" x 47.24" x 29.33" 585 x 1500 x 870 mm
68.3 lbs - 31 Kg	137.7 lbs - 62.5 Kg	172 lbs - 78 Kg	242,50 lbs - 110 Kg