



PRO SOUND

sound culture

RCF



D LINE

HDL 50-A

ACTIVE THREE-WAY LINE ARRAY MODULE

LOW FREQUENCIES

- 2 X 3.0" v.c. neodymium 12" Woofers
- Water resistant fiber doped cone
- Polycotton M-roll surround
- Hypervented magnetic structure

MID FREQUENCIES

- 4 x 2.0" v.c. 6.0" neo Midranges
- Water resistant fiber doped cone
- Polycotton M-roll surround
- High power magnetic structure

HIGH FREQUENCIES

The two ND850 large format compression driver deliver one of the key advantages of the HDL 50-A, the 3.0" voice coil allows a crossover point of 800Hz and therefore this driver can produce almost all of the vocal range. This allows better coverage and superior efficiency.

HDL 50-A

4400 W

2x12"

Neo Woofers

4x6"

Neo Midrange

2x2"

Neo C. Driver

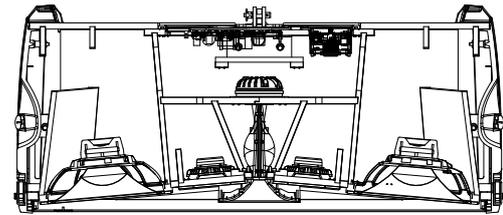
140 dB

XLR
IN/OUT
POWERCON
CONN.

RDNet
CONN.
POLE
MOUNT CAP



4 PATH WAVEGUIDE



The custom 4PATH designed waveguide allows a precise coverage of 90 x 10 degrees, while also delivering a superb, linear high frequency response. The unique shape of the four ducts forming the guide create an ideal isophasic load from 700 Hz to the highest audible frequencies.

V-SHAPED SYMMETRICAL DESIGN

The symmetrical design of the cabinet produces identical left and right coverage. The component positioning and special DSP crossover filtering of the HDL50-A take care of the constant directivity without spots of break up or attenuation.

The originally designed V-SHAPED front baffle provides:

- Coplanar midranges and woofers
- Controlled LF dispersion
- Central space to host the HF guide.

STACKING HDL 50-A OR HDL 20-A

Up to four HDL 50-A can be horizontally stacked on top of the SUB 9007-AS.
Up to four HDL 20-A can be vertically stacked on top of the SUB 9007-AS.

STACKING HDL50-A



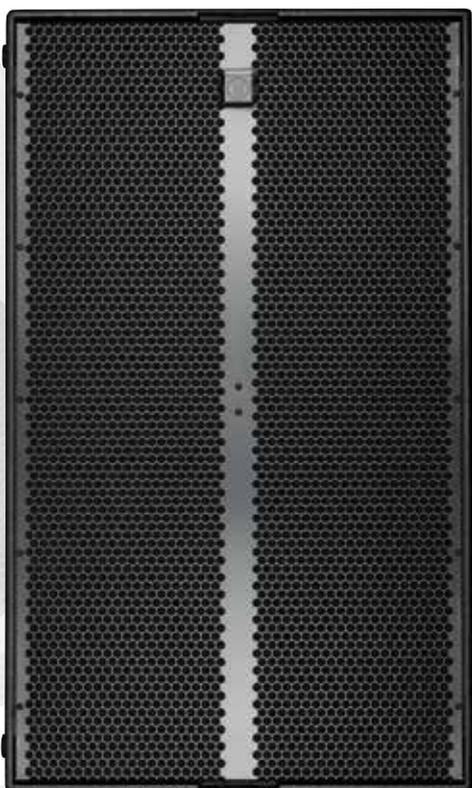


DSP PROCESSING

A new generation DSP handles all the processing within the cabinet and allows control of soft clipping limiters, rms limits, amplitude and phase equalization. From the encoder on the input panel it is possible to adjust gain, low pass and high pass crossovers, delay, phase and cardioid equalization. Using the integrated RDNet remote control it's also possible to access all these setting.



STACKING HDL20-A



SUB 9007-AS	
7200 W	
2x21" Neo Woofers	
143 dB	
XLR IN/OUT	RDNet CONN.
POWERCON CONN.	
HDL50-A STACKING	HDL20-A STACKING
	

SUB SERIES

SUB 9007-AS

ACTIVE HIGH POWER SUBWOOFER

HYPERVENTED HIGH POWER NEODYMIUM WOOFERS

The new custom designed 21" transducers join the ultimate power performance to the incredibly lightweight. RCF manufacture these components to deliver the cleanest, punchiest and undistorted low frequencies reproduction.



DLINE

The concept of these speakers derives from the touring industry, bringing in a compact cabinet all the experience of RCF professional sound. The vocals are natural, the sound is clear at longer distances, the SPL power is stable at very high levels.

The careful acoustic design, no compromise transducers and a unique composite cabinet, make HDL 20-A and HDL 10-A the preferred tools of many professionals. Perfect in live sound reinforcement and reliable installed situations.

SUPERIOR COMPRESSION DRIVERS

At the core of HDL 20-A, HDL 10-A and HD 32-A designs is the new ND840 compression driver. The 2.5" or 3.0" voice coil designs allow a crossover point as low as 800Hz and therefore almost all of the vocal range can be produced by the driver. This allows even better coverage, dispersion control and superior efficiency.

CLASS D AMPLIFIERS

RCF Class-D power amplifier's technology packs huge performance operating with high efficiency into a lightweight solution. D Line amplifiers deliver ultra fast attack, realistic transient response and impressive audio performance.

The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation.

All the D-LINE amplifiers presents SMPS power supply section in order to produce maximum output and minimum transportation weight.

HDL20-A		HDL10-A	
1400 W		1400 W	
2x10" Woofers		2x8" Woofers	
2.0" C. Driver		2.0" Neo C. Driver	
135 dB		133 dB	
XLR IN/OUT POWERCON CONN.	XLR/JACK COMBO	XLR IN/OUT POWERCON CONN.	XLR/JACK COMBO

HD 32-A	
1400 W	
12" Woofers	
2.0" Neo C. Driver	
131 dB	
XLR IN/OUT POWERCON CONN.	JACK IN POLE MOUNT CAP



GREAT PERFORMANCE WITH SUB 8004-AS

When used on top of a SUB 8004-AS the HD 32-A becomes an incredibly powerful PA system.

HDL18-AS		HDL15-AS	
2000 W		2000 W	
18" Woofers		15" Woofers	
135 dB		133 dB	
XLR IN/OUT POWERCON CONN.	XLR/JACK COMBO	XLR IN/OUT POWERCON CONN.	XLR/JACK COMBO

FLEXIBLE MOUNTINGS

- Multiple subs stacking option
- M20 center mounting insert
- Flybar stack mounting





NX SERIES

The NX Series is a 'modular system' of innovative active loudspeakers specifically designed to be the everyday tool for rental companies and professional musicians. The NX range comprises line array modules, a sound column, two-way monitors suitable both for PA systems and monitoring applications and a high power subwoofer. We developed a state of the art digital amplification topology to perfectly match the transducers in each model, the result is a perfectly optimized loudspeaker series, which provides high-end audio coverage even at extreme sound pressure levels, unmatched reliability and acoustic compatibility across the whole series.



At the core of NXL44-A design is the new ND 840 compression driver loaded from a waveguide to a constant directivity 90° x 30° horn.

The ND 840 large format compression driver is one of the key advantages of the NXL 44-A, the 3.0" voice coil allows a crossover point of 800Hz and therefore almost all of the vocal range can be produced by this driver. This allows better coverage and dispersion control, and superior efficiency.



NX L23-A

1500 W
12"
 Neo Woofer
3x1.0"
 Neo C. Driver
133 dB

XLR IN/OUT	XLR/JACK COMBO
POWERCON CONN.	POLE MOUNT CAP



NX L44-A

1400 W
3x10"
 Neo Woofer
1.4"
 Neo C. Driver
134 dB

XLR IN/OUT	XLR/JACK COMBO
POWERCON CONN.	POLE MOUNT CAP



NX L24-A

1400 W
4x6"
 Woofer
1.4"
 Neo C. Driver
131 dB

XLR IN/OUT	JACK IN
POWERCON CONN.	POLE MOUNT CAP



MULTIPLE CONFIGURATIONS



NX L24-A shown on top of SUB 8004-AS



NX SERIES



All the NX Stage Monitors are provided with coaxial transducers which define excellent linearity and high efficiency. The RCF Coaxial Transducers radiate a coherent single spherical wave front with perfect dispersion control.

NX 15-SMA		NX 12-SMA		NX 10-SMA	
1400 W		1400 W		800 W	
15" Neo Woofer		12" Neo Woofer		10" Neo Woofer	
1.0" Neo C. Driver		1.0" Neo C. Driver		1.0" Neo C. Driver	
130 dB		129 dB		127 dB	
XLR IN/OUT	JACK COMBO	XLR IN/OUT	JACK COMBO	XLR IN/OUT	JACK COMBO
POWERCON CONN.	POLE MOUNT CAP	POWERCON CONN.	POLE MOUNT CAP	POWERCON CONN.	POLE MOUNT CAP

The design is powered from a large sized single neodymium ring magnet which provides an extremely high flux density and BL factor.



ST SERIES

ST Series is a practical solution for high intelligibility speech and audio applications, covering infill or delay, production studios, presentations and high power music sound reinforcement with or without subwoofers.

A key requirement for everyday audio systems, delivering simple 'plug and play' solutions, without compromising performance and portability.

ST 12-SMA		ST 15-SMA	
800 W		1200 W	
12" Woofer	2.5" Voice coil	15" Woofer	2.5" Voice coil
1.0" C. Driver		1.0" C. Driver	
129 dB		131 dB	
XLR IN/OUT	JACK IN	XLR IN/OUT	JACK IN
VDE CONN.	POLE MOUNT CAP	VDE CONN.	POLE MOUNT CAP



SUB SERIES

WHAT IS A SUBWOOFER?

The subwoofer is dedicated to the reproduction of low pitched audio frequencies and since today is more or less universal in sound reinforcement systems in night clubs, concert venues and all applications where you need "deep punch".

SUB 9007-AS

SUB 8006-AS





SUB SERIES

RCF SUBWOOFERS

RCF introduces a new line of subwoofers which are suitable for all the speakers of its Professional Sound products offering the maximum flexibility to tailor a PA system to your needs. Featuring strong Baltic birch construction, high quality mechanics, superior acoustic design and premium RCF Precision low frequency transducers, the new SUB Series represents the perfect complement for any portable sound reinforcement system.



Since the first subwoofers were introduced to the market in the 1960s the reproduction of sounds has developed to become more focused on the bass area and sets a new dimension for this.

SUB 9007-AS	SUB 8006-AS
7200 W	5000 W
2x21" Neo Woofers	2x18" Woofer
143 dB	141 dB
XLR IN/OUT POWERCON CONN. HDL50-A STACKING	RDNet CONN. HDL20-A STACKING

HEAVILY BRACED PLYWOOD CABINET

The cabinet is made of high quality birch plywood with every layer glued with a special water resistant adhesive that makes the cabinet weatherproof. The heavily braced internal structure of the cabinet survives long-term use and transportation and presents two separate acoustic chambers for the woofers and a separate housing for the amplifier to guarantee the best components efficiency and reliability. The heavy-duty front grille integrates a central reinforcement bar and is power coated.

STACKING CONFIGURATIONS

Thanks to their proper accessories, you can stack your HDL10-A, HDL20-A or NXL23-A on subwoofers to create many configurations.



The figure shows 3 x HDL10-A on 2 x SUB 8005-AS

SUB 8005-AS	SUB 8004-AS	SUB 8003-AS	ART 905-AS
2500 W	2500 W	2000 W	2000 W
21" Woofer	18" Woofer	18" Woofer	15" Woofer
137 dB	136 dB	134 dB	130 dB
XLR IN/OUT POWERCON CONN.	XLR IN/OUT POWERCON CONN.	XLR IN/OUT POWERCON CONN.	XLR/JACK COMBO VDE CONN.
POLE MOUNT CAP	POLE MOUNT CAP	POLE MOUNT CAP	POLE MOUNT CAP

AS SUB 8005-AS SUB 8004-AS SUB 8003-AS ART 905-AS





Line Array module



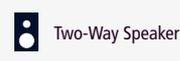
Flyable Subwoofer



Column Array



Stage Monitor



Two-Way Speaker



Subwoofer

PRODUCT	Type	Total Power	Max SPL	Coverage	High Frequency	Mid Frequency	Low Frequency	Dimensions (H x W x D)	Weight
HDL 50-A		4400 W Peak 2200 W RMS	140 dB	90° x 10° max	2 x 2.0" neo 3.0" v.c.	4 x 6.0" neo 2.0" v.c.	2 x 12" neo 3.0" v.c.	366 x 1171 x 502 mm 14.4" x 46.1" x 19.7"	56 Kg 123.45 lbs
HDL 20-A		1400 W Peak 700 W RMS	135 dB	100° x 15° max	2" neo 3.0" v.c.	-	2 x 10" neo 2.5" v.c.	294 x 705 x 445 mm 11.5" x 27.7" x 17.5"	29 Kg 63.93 lbs
HDL 10-A		1400 W Peak 700 W RMS	133 dB	100° x 15° max	2" neo 2.5" v.c.	-	2 x 8" neo 2.0" v.c.	294 x 569 x 434 mm 11.58" x 22.40" x 17.09"	25.4 Kg 55.99 lbs
HDL 18-AS		2000 W Peak 1000 W RMS	135 dB	-	-	-	18" neo 4.0" v.c.	511.5 x 700 x 620 mm 20.1" x 27.5" x 24.4"	48.4 Kg 106.7 lbs
HDL 15-AS		2000 W Peak 1000 W RMS	135 dB	-	-	-	15" neo 3.5" v.c.	555 x 458 x 569 mm 21.8" x 18.0" x 22.4"	39.0 Kg 85.98 lbs
HD 32-A		1400 W Peak 700 W RMS	131 dB	90° x 60°	2" neo 3.0" v.c.	-	12" neo 2.5" v.c.	647 x 380 x 380 mm 25.47" x 14.96" x 14.96"	18.8 Kg 41.44 lbs
NX 15-SMA		1400 W Peak 700 W RMS	130 dB	60° x 60°	1" neo 1.7" v.c.	-	15" neo 2.5" v.c.	362 x 650 x 468 mm 14.25" x 25.59" x 18.42"	19.8 Kg 43.65 lbs
NX 12-SMA		1400 W Peak 700 W RMS	129 dB	60° x 60°	1" neo 1.7" v.c.	-	12" neo 2.5" v.c.	324 x 550 x 417 mm 12.7" x 21.6" x 16.4"	16.5 Kg 36.3 lbs
NX 10-SMA		800 W Peak 400 W RMS	127 dB	60° x 60°	1" neo 1.7" v.c.	-	10" neo 2.5" v.c.	324 x 450 x 417 mm 12.7" x 17.7" x 16.4"	14.5 Kg 31.96 lbs
NX L23-A		1500 W Peak 750 W RMS	133 dB	100° x 15° max	3 x 1" neo 1.75" v.c.	-	12" neo 3.5" v.c.	346 x 659 x 415 mm 13.62" x 25.94" x 16.33"	28.5 Kg 62.83 lbs
NX L44-A		1400 W Peak 700 W RMS	134 dB	90° x 30°	1.4" neo 3.0" v.c.	-	3 x 10" neo 2.5" v.c.	1198 x 303 x 402 mm 47.20" x 11.93" x 15.83"	34.5 Kg 74.9 lbs
NX L24-A		1400 W Peak 700 W RMS	131 dB	100° x 30°	1.4" neo 2.5" v.c.	-	4 x 6" neo 1.5" v.c.	1056 x 201 x 274 mm 41.58" x 7.90" x 10.79"	26.4 Kg 58.8 lbs
ST 15-SMA		1200 W Peak 600 W RMS	131 dB	90° x 60°	1" neo 1.4" v.c.	-	15" neo 2.5" v.c.	673 x 362 x 473 mm 26.49" x 14.25" x 18.62"	20.7 Kg 45.63 lbs
ST 12-SMA		800 W Peak 400 W RMS	129 dB	90° x 60°	1" neo 1.4" v.c.	-	12" neo 2.5" v.c.	594 x 318 x 400 mm 23.38" x 12.51" x 15.74"	18.0 Kg 39.68 lbs
SUB 9007-AS		7200 W Peak 3600 W RMS	143 dB	-	-	-	2 x 21" neo 4.0" v.c.	708 x 1188 x 785 mm 27.89" x 46.80" x 30.90"	98 Kg 216.0 lbs
SUB 8006-AS		5000 W Peak 2500 W RMS	141 dB	-	-	-	2 x 18" neo 4.0" v.c.	709 x 1109 x 700 mm 27.91" x 43.66" x 27.55"	90 Kg 198.41 lbs
SUB 8005-AS		2500 W Peak 1250 W RMS	137 dB	-	-	-	21" neo 4.5" v.c.	825 x 600 x 805 mm 32.48" x 23.62" x 31.69"	66.6 Kg 146.82 lbs
SUB 8004-AS		2500 W Peak 1250 W RMS	136 dB	-	-	-	18" neo 4.0" v.c.	700 x 557.5 x 700 mm 27.55" x 21.95" x 27.56"	51 Kg 112.20 lbs
4PRO 8003-AS		2000 W Peak 1000 W RMS	134 dB	-	-	-	18" neo 4.0" v.c.	700 x 520 x 700 mm 27.56" x 20.47" x 27.56"	49 Kg 108.02 lbs
SUB 905-AS		2000 W Peak 1000 W RMS	131 dB	-	-	-	15" neo 3.0" v.c.	445 x 600 x 600 mm 17.51" x 23.6" x 23.6"	31.8 Kg 70.1 lbs