



D LINE

Plug your best microphone into any D LINE system and immediately experience the accurate voicing and the incredible dynamics.

the rules of sound

RCF

TOUR SOUND IN A COMPACT SIZE

TOUR SOUND

The concept of this unique speaker 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.

LEGENDARY RCF TRANSDUCERS

The RCF Precision transducers equipping D LINE have been representing for decades the ultimate performance, the highest power handling and the most advanced technology in the professional and touring industry.

The high power woofer delivers extremely accurate punchy bass, the custom made compression driver offers a transparent midrange and extreme fidelity.

DIGITAL PROCESSING FOR DIGITAL POWER

RCF Class-D power amplifiers 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 integrated DSP manages crossover, equalisation, soft limiter, compressor and dynamic bass boost.

RENTAL PROOF

D LINE cabinets are moulded on a special polypropylene composite material designed to dampen down vibrations even at maximum volume settings.

From moulding to the final texture, D LINE offers the maximum reliability and strength for the intensive use on the road.

Thinking inside the box!

When designing the D-line range RCF went back to basics, drawing on 50 years of design and manufacture of transducers, to produce custom drivers for each specific cabinet, all packed with the latest technology.

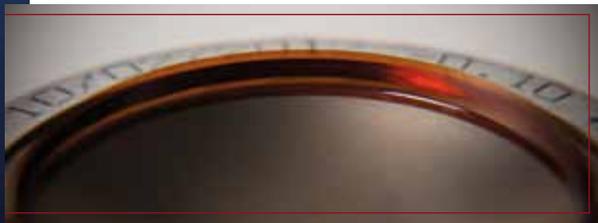


INSIDE/OUTSIDE VOICE COILS

RCF has developed a unique voice coil, combining the advantages of inside/outside technology to the superior quality of polyimide-imide materials (wire resins and former resins).

The inside/outside coil offers many advantages:

- the dissipation surface is doubled
- the adhesion area to the former is doubled
- during thermal expansion the former is squeezed between inside and outside layers offering the best mechanical resistance.



PURE TITANIUM DIAPHRAGM

RCF has developed an oxygen free process of moulding pure titanium ultra thin films in high quality, finely controlled shaped diaphragms.

Our process offers superior sonic quality, extended to the highest audible frequencies which guarantee consistent power handling and reliability.



EDGE WOUND VOICE COILS

Edge wound voice coils – ensuring the best linear frequency response and maximum SPL output

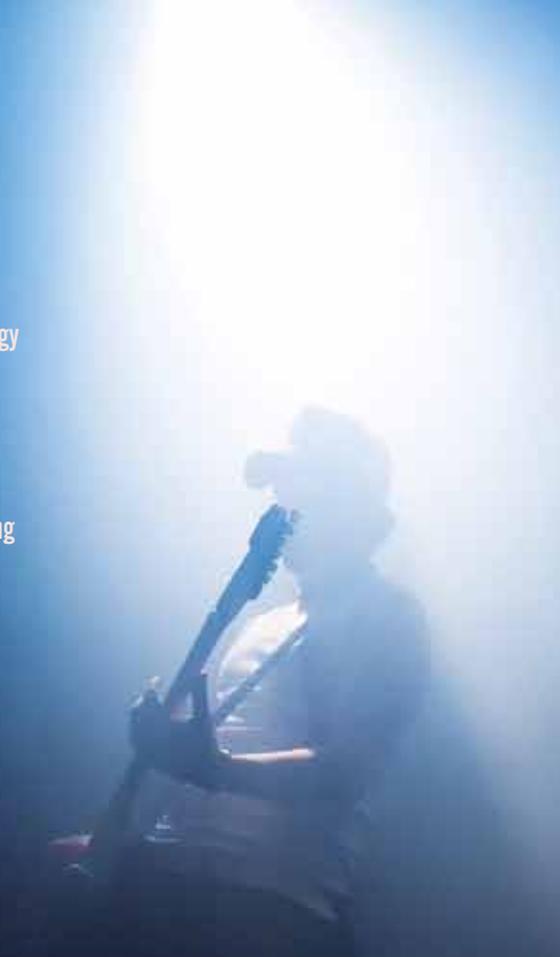


CLASS D AMPLIFICATIONS

The D line series are powered by the latest generation of RCF Class D amplifiers, complete with built-in DSP to handle the crossover and limiting functions.

These amplifiers are full Class-D and feature a PWM design to deliver over 90% efficiency, they feature highly advanced switch mode power supply with active power factor correction.

This results in an amplifier capable of delivering a very high long term output with exceptional headroom, coupled with excellent dynamic range. Exceptional audio performance with accurate transient response is always available, even in the most demanding situations.



TOUR SOUND IN A COMPACT SIZE



All Compression drivers and Transducers are precision built taking advantage of RCF's superior moulding, assembly technologies and a wealth of professional knowledge and experience dedicated to achieving extremely high standards.



Only RCF composite material speakers feature high power woofers. The HD 12-A features a powerful 12" with a 3" voice coil..



All D LINE models feature aluminium handles with rubber handgrip.

The D line cabinets have been designed to not only sound exceptional, but to be as user friendly as possible!

- The cabinets are moulded from a special polypropylene composite material, designed to reduce internal vibrations and finished with a strong, full length grille.
- All D line models feature aluminium handles with rubber handgrips.
- The HD10A/12A can be used as front of house cabinets, but also make ideal and very stable stage monitors, due to non-slip feet.
- Stunning vocal reproduction in a compact size.
- Superior and incredibly stable SPL levels guaranteed
- Full range of touring accessories



HD 10-A

ACTIVE TWO-WAY MONITOR
600 W, 10", 1"

The discrete HD 10A is the ideal choice for corporate/AV presentation work, thanks to its ultra compact dimensions.

Thanks to its superb bass response, clean midrange and accurate high frequencies, it offers ultimate intelligibility for vocal or recorded music, from live sound to playback.



HD 12-A

ACTIVE TWO-WAY MONITOR
600 W, 12", 1"

The HD 12-A offers an extremely linear response and a precise, deep low frequency control. The 12" woofer guarantee a superior sound projection indoor and outdoor. It is the ideal speaker for main front of house in small PA systems, for high level monitoring and it is the best solution where higher power is required for various applications in larger venues.



D LINE

HIGH POWER OUTPUT

Superior and incredible SPL levels guaranteed also in open air and at long distances.



TUNED FOR YOUR VOICE

Take your preferred microphone to test the clarity and dynamic of vocal reproduction, both at low and very high levels!



DEEP BASS SOUND

Push the BOOST equalisation switch to experience the extremely deep response and precise low frequency control.



RENTAL FRIENDLY

HDL 20-A ACTIVE LINE ARRAY MODULE 700 W, 2x10", 2"

The careful acoustic design, no compromise transducers and unique composite cabinet make the HDL20A the ideal choice for audio professionals.

Superb in live sound reinforcement or installed situations.

The HDL 20-A is perfect, when line array performance is needed, along with a fast and easy set-up. The system is powered from a 1400 Watt Peak Power 2 way digital amplifier, sound is processed from a powerful DSP. The processing includes cluster and HF projection correction and special new presets for indoor and high curving situations. The system features state of the art RCF transducers, two powerful 10" for a solid bass reproduction and a large format 3" voice coil compression driver to deliver vocal clarity and high definition with an incredible dynamic.

ACTIVE LINE ARRAY MODULE



- 1400 Watt Peak, 700 Watt RMS
- 2x10" Woofer, 2.5" v.c.
- 2" C. Driver, 3.0" v.c.

ACTIVE LINE ARRAY MODULE 700 W, 2x10", 2"



The custom designed waveguide allows a precise coverage of 100 x 15 degrees, whilst also delivering a superb, linear high frequency response.



The HDL20-A features configurable mechanics, angles between cabinets are selectable with 2 degrees resolution. In comparison with many competitors products with fixed curving, with HDL20-A is possible to create real J-shaped or spiral arrays.



D LINE



The CD850 large format compression driver delivers one of the key advantages of the HDL 20-A, the 3" 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.



The HDL 20-A is loaded with 2 10" high power woofers, each with a 2.5" edgewound voicecoil



The easy to access controls on the back of the speaker allow a number of simple optimisations to be carried out at the flick of a switch: two possible HF settings, four possible cluster configurations; a special EQ setting for high curved configurations and an Indoor Correction EQ.

The HDL 20-A is powered by a 1400W peak power digital amplifier, split 200W for the HF and 500W for the LF. A new generation DSP handles all the processing within the cabinet and allows adjustment of Cluster size and HF projection. The DSP also includes presets for indoor/outdoor usage and highly curved arrays. All these settings are accessed by the buttons on the rear of the cabinets.



UP TO 16 MODULES



The HDL18-AS is powered from a 1000 Watt digital amplifier, the amplifier panel is integrated to the rear central flyware.

ACTIVE LINE ARRAY MODULE 700 W, 2x10", 2"



The HDL 18-AS subwoofer is loaded with an 18-inch driver and 4-inch voice coil handcrafted in Italy to produce incredible power handling, long excursion and perfect control.



There were some key mechanical features to consider when designing the HDL 18-AS, to make it compatible with the HDL 20-A — such as the complementary flybar. The amplifier is integrated to the rear central flyware and strong wheels make for ease of transportation (and of course fast set up).

HDL 18-AS

ACTIVE HIGH POWER SUBWOOFER 1000 W, 18"

The HDL18-AS is a compact, flyable high power subwoofer, designed to integrate seamlessly into a HDL 20-A flown array.

The bass reflex design guarantees a deep, linear power response while the 4" voice coil vented design woofer offers the minimum of power compression. The system provides integrated mechanics compatible with the HDL 20-A array module.



TOUR SOUND IN A COMPACT SIZE



The SUB 8006-AS input section includes Volume control, a Deep / Punch switch; Signal, Power and Limiter LED's; High pass switch; Phase switch; Cardioid switch; Delay control; Crossover and XLR signal link.



The custom designed 18 " woofers feature 4" edgewound, inside/outside voice coils for excellent power handling and superior thermal performance.



The SUB 8006-AS is powered from a 2500 Watt digital amplifier, the amplifier panel is integrated to the rear, in a separate chamber and mechanically insulated from cabinet vibrations.

SUB 8006-AS

ACTIVE HIGH POWER SUBWOOFER

2500 W, 2x18"

The SUB 8006-AS is the largest and most powerful active sub woofer in the professional series. Featuring two 18" transducers, with 4" inside/outside voice coils, this cabinet is designed to delivery a serious amount of low frequency. Powered by a 2500W digital amplifier module, the SUB 8006-AS can perform in the most demanding situations.



TOUR SOUND IN A COMPACT SIZE



ACCESSORIES



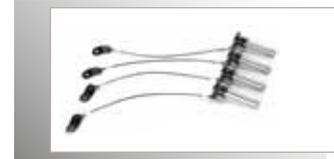
p/n 13360218
FLY BAR HDL 20-18
Suspending bar for HDL20-A line array system. Stack bar included.



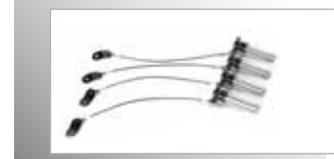
p/n 13360229
FLY BAR HDL 20 LIGHT
Suspending bar for HDL20-A line array system. Stack bar included.



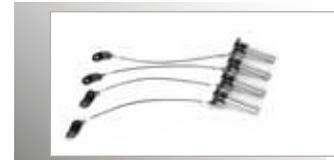
p/n 13360225
LINK BAR HDL 20-HDL18
Link bar for HDL 20-A and HDL 18-AS



p/n 13360219
AC 4 PIN HDL20 FRONT
4x HDL 20-A module pin set



p/n 13360220
AC 4 PIN HDL20 BACK
4x HDL 20-A module pin set



p/n 13360222
AC 4 PIN HDL20 FRAME
4x HDL 20-A module pin set



p/n 13360221
FLY BAR PICKUP HDL20
To be added to the fly bar accessory in case the pick up is made with 2 motors.



p/n 13360228
AC RAIN COVER HDL20-18

Rain cover for HDL 20-A and HDL 18-AS amplifier



p/n 13360215
AC HD-FD 10 H-BR

Pair of horizontal bracket for mounting HD-10-A, FD10-A speakers on the wall.



p/n 13360216
AC HD-FD 12 H-BR

Pair of horizontal bracket for mounting HD-12-A, FD12-A speakers on the wall.



p/n 13360223
KART HDL20

The heavy duty RCF KART HDL20 can be used to easily transport up to 4 HDL 20-A cabinets



p/n 13360231
AC CONNECTION SUB 8006-AS

Accessory to lock FLY BAR HDL 20-18 to the SUB 8006-AS. M20 fixing point



p/n 13360208
COVER HD10

Protection cover bag for HD10-A and FD 10-A.



p/n 13360209
COVER HD12

Protection cover bag for HD12-A and FD 12-A.



p/n 13360232
AC PMX

Speaker pole mount with push-button system and hand crank avoid uncontrolled reverse motion locking screw provides additional safety



p/n 13360111
AC PRO-LF

Steel professional adapter sleeve for loudspeaker stands. Integrated expanding mandrel system which provides a tight and firm fit for the speaker.



p/n 13360034
AC PMA

Speaker pole mount.



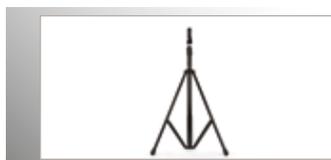
p/n 13360110
AC PRO-PM

Steel pole mount accessory for a satellite loudspeaker on a subwoofer.



p/n 13360036
AC S140

Aluminum speaker floor stand with folding base and telescopic rod, Tube diameter 35mm.



p/n 13360109
AC PRO-FS

Steel speaker floor stand with folding base and telescopic rod. Tube diameter 35mm. Load capacity up to 50kg.



p/n 13360035
AC S260

Steel speaker floor stand with folding base and telescopic rod, tube diameter 35mm.



p/n 13360029
AC WK-SW

Kit no 4 swivel castor, 80mm/3" Ø black wheel with roller bearings.



p/n 13360028
AC WK-FX

Kit no 4 fixed castor 80mm/3" Ø black wheel with roller bearings.



SPECIFICATIONS

ACOUSTICAL SPEC.

Frequency Response
Max SPL
Horizontal coverage angle
Vertical coverage angle
Compression Driver
Midrange
Woofer

INPUT SECTION

Input connector
Output connector
Input sensitivity

PROCESSOR SECTION

Crossover frequencies
Protections
Limiter
Controls

AMPLIFIER

Total power
High frequencies
Low frequencies
Cooling
Connection

PHYSICAL SPEC.

Height
Width
Depth
Weight
Cabinet
Hardware
Handles



HD 10-A

230V p/n 13040003
115V p/n 13040004

50 Hz - 20 kHz

129 dB

90°

70°

1", 1.7" v.c.

-

10", 2.5" v.c.

XLR-Jack combo

XLR

-2 dBu / + 4 dBu

1700 Hz

thermal, RMS

fast limiter

volume, EQ shape, Mic/line

1200 W Peak, 600 W RMS

150 Watt RMS

450 Watt RMS

convection

VDE connector in

527 mm (20.7")

303 mm (11.9")

302.5 mm (11.9")

13.9 Kg (30.64 lbs)

Composite PP

2 x M10 flying points

1 side, 1 top



HD 12-A

230V p/n 13040011
115V p/n 13040012

45 Hz - 20 kHz

130 dB

90°

60°

1", 1.7" v.c.

-

12", 3.0" v.c.

XLR-Jack combo

XLR

-2 dBu / + 4 dBu

1600 Hz

thermal, RMS

fast limiter

volume, EQ shape, Mic/line

1200 W Peak, 600 W RMS

150 Watt RMS

450 Watt RMS

convection

VDE connector in

647 mm (25.4")

380 mm (14.9")

380 mm (14.9")

16.7 Kg (36.81 lbs)

Composite PP

2 x M10 flying points

2 side, 1 top



HDL 20-A

230V p/n 13040007
115V p/n 13040008

55 Hz - 20 kHz

135 dB

100°

15° max.

2", 3.0" v.c.

-

2x10", 2.5" v.c.

XLR

XLR

-2 dBu / + 4 dBu

1000 Hz

thermal, RMS

soft limiter

Cluster, HF, High curving,
Indoor

1400 W Peak, 700 W RMS

200 Watt RMS

500 Watt RMS

convection

Powercon AC IN/OUT

294 mm (11.5")

705 mm (27.7")

445 mm (17.5")

29 Kg (63.93 lbs)

Composite PP

Rigging flyware

2 side, 2 back



HDL 18-AS

230V p/n 13040009
115V p/n 13040010

30 Hz - 140 Hz

135 dB

-

-

-

-

18", 4.0" v.c.

XLR

XLR

-2 dBu / + 4 dBu

-

thermal, RMS

soft limiter

volume, EQ shape, xover

2000 W Peak, 1000 W RMS

-

1000 Watt RMS

convection/forced

Powercon AC IN/OUT

511.5 mm (20.1")

700 mm (27.5")

620 mm (24.4")

48.4 Kg (106.7 lbs)

Baltic birch

Rigging flyware

2 side



SUB 8006-AS

230V p/n 13000372
115V p/n 13000373

30 Hz - 120 Hz

141 dB

-

-

-

-

2x18", 4.0" v.c.

XLR male

XLR female

-2 dBu / + 4 dBu

Selectable 80 Hz - 100 Hz

thermal, RMS

fast limiter

Xover Output, Phase switch,
Deep/Punch, Output Delay
Setting, Cardioid

5000 W Peak, 2500 W RMS

-

2x1250 Watt Class D

convection

Powercon AC INPUT

709 mm (27.91")

700 mm (27.5")

1109 mm (43.66")

90 Kg (198.41 lbs)

Baltic birch

mounting points

2 x Aluminium each side