

HDL 30-A

ACTIVE TWO-WAY LINE ARRAY MODULE

KEY FEATURE 01

2200 W peak / 1100 W RMS built-in Class-D amplification

KEY FEATURE 02

137 dB max SPL with 100° × 15° coverage

KEY FEATURE 03

Two 10" neodymium woofers + 1.4" titanium compression driver



Compact active line array module for medium to large events, indoors or outdoors.

Product Positioning

Touring-grade active line array for flexible deployment

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POSITIONING

HDL 30-A is designed as a compact bi-amped 2-way line array module for medium to large events. It combines high output, low weight, and network-ready DSP control in a composite cabinet suited to touring and flown applications.

APPLICATION VALUE

Built-in 2200 W peak Class-D amplification reduces external rack requirements. 100° × 15° coverage and 680 Hz crossover support controlled array performance. Integrated rigging enables fast setup and reconfigurable J-shaped or spiral arrays.



OFFICIAL SYSTEM NOTES

RDNet onboard for monitoring and control.
FiRPHASE processing and RDShape ecosystem support.
HDL 38-AS is indicated as the ideal flyable bass complement.

Key Performance

Core performance indicators from the latest official datasheet

Maximum SPL

137 dB

Frequency Response

50 Hz – 20 kHz

Amplifier Power

**2200 W Peak
1100 W RMS**

Coverage

100° × 15°

Weight

25 kg

Power / Network

**Powercon IN/OUT
XLR + RDNNet Ethercon**

Performance summary: compact 2-way active line array architecture, network-ready DSP, titanium HF driver, neodymium LF transducers, and controlled directivity suitable for professional touring and install use.



Acoustic & Enclosure Design



DESIGN HIGHLIGHTS

Custom 4-path waveguide developed for precise $100^\circ \times 15^\circ$ coverage and linear HF response.

1 x 1.4" titanium compression driver with 4.0" voice coil for high-frequency output.

2 x 10" neodymium woofers with 2.5" voice coils for controlled low-frequency reproduction.



ENCLOSURE & PROTECTION

Cabinet material: PP Composite.

Protective grille: Steel.

Integrated rigging mechanics and dual side handles for handling and flying.

Cooling: Forced. Protections: Thermal, RMS; limiter: Soft Limiter.

Technical Specifications

Editable table based on the latest official English datasheet

Parameter	Official Value
Product Model	HDL 30-A
Type	ACTIVE TWO-WAY LINE ARRAY MODULE
Drivers	1 x 1.4" neo, 4.0" v.c compression driver; 2 x 10" neo, 2.5" v.c woofers
Frequency Response	50 Hz - 20000 Hz
Rated Power	1100 W RMS
Peak Power	2200 W Peak
Sensitivity	Not specified in official materials
Maximum SPL	137 dB
Nominal Impedance	Not specified in official materials
Coverage / Dispersion	100° horizontal × 15° vertical
Enclosure	PP Composite
Finish	Black
Protective Grille	Steel
Connectors	Input: XLR, RDNet Ethercon; Output: XLR, RDNet Ethercon; Power: Powercon IN/OUT
Dimensions	705 × 293 × 502 mm (W × H × D)
Weight	25 kg
Supplied Fittings	Array fittings
Recommended Amplifier	Not specified in official materials

System Application / Rigging



OFFICIAL RIGGING INFORMATION

Integrated mechanics enable fast setup with reconfigurable J-shaped and spiral arrays.

Up to 20 HDL 30-A modules can be fastened on a single flybar. Suspension angle adjustments begin from 0.2° according to official product description.

ACCESSORY HIGHLIGHTS

FL-B HDL 30 — fly bar for suspending HDL 30-A arrays. Includes pickup tab, shackle, stacking bar and mounting bracket for inclinometer.

FL-B LINK HDL 50-30 — link bar for HDL-50-A to HDL 30-A; Max number of HDL30: 8.

AZM-BR 2X — azimuth bracket set for horizontal array control.

Deployment Options

Deployment logic and system usage based on official materials

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Flown Main Array

Use the FL-B HDL 30 fly bar to suspend up to 20 modules for medium to large live sound deployments.



Array with Flyable Bass

Official product text identifies HDL 38-AS as the ideal flyable bass complement for HDL 30-A array systems.



Ground / Stack Support

Official accessories list includes STCK-KIT 2X HDL 30 stacking kit and quick lock pin kits for setup support.

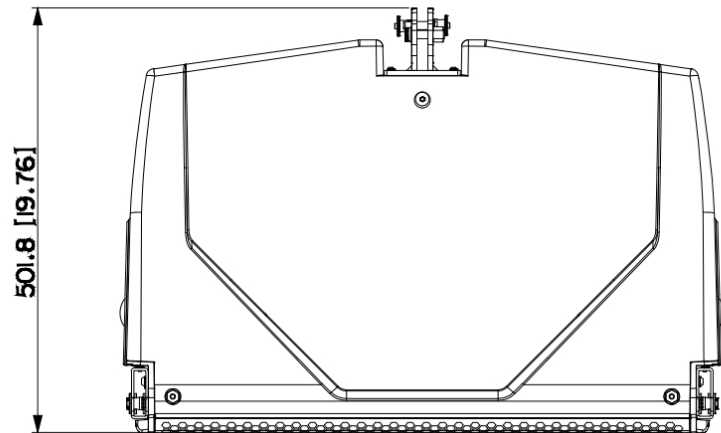
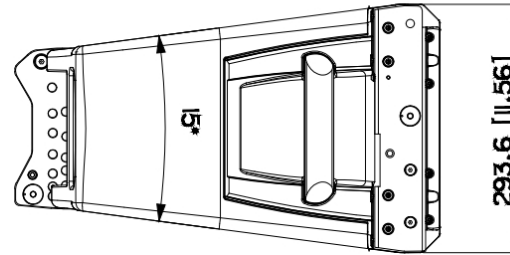
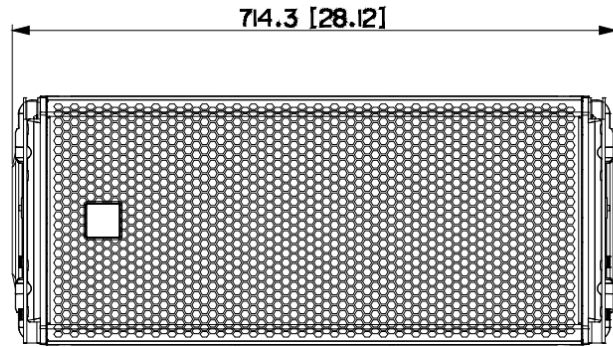


Technical Drawing / Dimensions

Official line art — dimensions must remain clear and readable

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Width

705 mm

Height

293 mm

Depth

502 mm

The official line art PDF is part of the source workflow. Dimensions shown here come directly from the official drawing and datasheet.

Connections & Hardware Details



CONNECTIONS

Signal input / link: XLR

RDNet data input / link: Ethercon

Power connection: Powercon IN/OUT

Input sensitivity: +4 dBu



HARDWARE DETAILS

Preset control and RDNet bypass on rear panel.

Integrated side handle and array fittings for transport and flying.

Front pin / locking references shown on official hardware close-ups.



Accessories

Official accessories page references and compatibility notes

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FL-B HDL 30

Suspension fly bar

For suspending HDL 30-A arrays; up to 20 modules. Includes pickup tab, shackle, stacking bar, and inclinometer bracket.



FL-B LINK HDL 50-30

Link bar

Links HDL-50-A to HDL 30-A. Compatibility / Application: HDL 30-A. Max Number Of HDL30: 8.



AZM-BR 2X

Azimuth bracket

2-piece azimuth bracket for horizontal array control. Compatibility / Application: HDL 30-A active two-way line array module.

Image not available

STCK-KIT 2X HDL 30 STACKING KIT

Stacking support

Image not available in official materials — listed in the official accessories section for HDL 30-A.

Application Scenarios

Illustrative, non-case-specific scenarios derived from official usage descriptions



Indoor Touring

Suitable for medium to large indoor events requiring flown main reinforcement.



Outdoor Events

Designed for outdoor use with high output, controlled coverage, and compact flown arrays.



Theatre / Performance

The compact module format supports venues needing controlled directivity and reduced rig weight.



Networked Systems

RDNet onboard supports monitoring and control in managed sound system environments.

HDL 30-A

ACTIVE TWO-WAY LINE ARRAY MODULE

Max SPL

137 dB

Freq. Response

50 Hz – 20 kHz

Amplifier

2200 W Peak

Weight

25 kg



Summary: HDL 30-A combines compact form factor, active amplification, array-ready rigging, and networked DSP control for professional line-array deployment. All specifications on this page follow the latest official English datasheet.