

X15 HiQ

REFERENCE STAGE MONITOR

A high-output 15-inch active crossover coaxial enclosure for reference stage monitoring and precision short-throw reinforcement.

138 dB

Maximum SPL

55 Hz

Low-frequency limit

21 kg

Net weight



15-INCH COAXIAL PLATFORM

Product Positioning

Reference monitoring, high feedback rejection and flexible short-throw deployment

X15 HiQ combines concert-level output with a compact, ultra-low-profile enclosure for demanding performers, monitor engineers and precision fill applications.

01 Reference stage monitoring

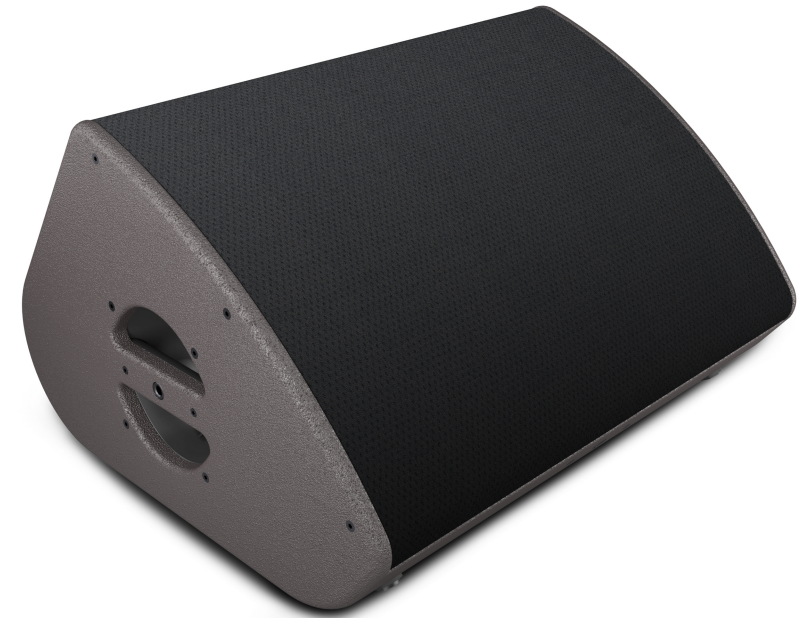
The coaxial point source and narrow ellipsoid directivity deliver strong vocal impact with controlled spill.

02 Active crossover control

External amplified controllers provide crossover, alignment, linearization and transducer protection.

03 More than a floor monitor

Integrated pole sockets and dedicated rigging accessories support narrow fill, wall, ceiling and flown use.



STAGE / FILL / FIXED INSTALLATION

Key Performance

High output in a precisely controlled ellipsoid coverage pattern



15-INCH TWO-WAY COAXIAL SYSTEM

3-inch HF diaphragm + 15-inch LF transducer

138 dB

Maximum SPL @ 1 m

55 Hz - 20 kHz

Usable bandwidth (-10 dB)

40° × 60°

Horizontal × vertical

35° / 55°

Stage monitoring angle

PERFORMER CONTROL

Narrow directivity, low-profile geometry and high output support clear monitoring with strong immunity to feedback.

Acoustic Architecture

Coaxial point-source behavior, laminar venting and rugged plywood construction

1 × 3-inch

HF compression driver

1 × 15-inch

LF neodymium transducer



First-grade birch and beech plywood • IP43 • dark grey-brown finish

01

Coaxial point source

LF and HF sources share one acoustic axis for consistent tonal balance and smooth off-axis response.

02

Ellipsoid waveguide

A 40° horizontal × 60° vertical pattern concentrates useful energy and limits unwanted stage spill.

03

Laminar vented ports

Low-turbulence vents increase low-frequency efficiency and reduce port noise at high output.

Technical Specifications

Official electro-acoustic, physical and connection data

System type	2-way active crossover coaxial enclosure
Usable bandwidth	55 Hz - 20 kHz (-10 dB, [X15] preset)
Maximum SPL	138 dB peak @ 1 m, free field
Nominal directivity	40° horizontal × 60° vertical
Monitoring angles	35° without risers / 55° with risers
LF transducer	1 × 15-inch neodymium, bass-reflex
HF transducer	1 × 3-inch neodymium compression driver

Nominal impedance	LF 8 Ω / HF 8 Ω
Connectors	2 × 4-point speaker connectors: IN / LINK
Pin assignment	1+/1- LF; 2+/2- HF
Dimensions	580 H × 430 W × 375 D mm
Net weight	21 kg / 46.2 lb
Rigging	M8 safety insert; 4 × M10; 2 × 35 mm sockets
Ingress protection	IP43

CONTROL

Use approved amplified controllers and the [X15] or [X15_MO] factory preset for crossover, alignment and protection.

Amplified Control & Connection

Two-channel active crossover workflow with dedicated factory presets



CONTROL PLATFORMS

01 Controller-driven architecture

The enclosure has separate 8 Ω LF and HF sections; no mains inlet, internal amplifier or fuse is fitted.

02 Four-point connection

Either connector can serve as IN or LINK. Pins 1+/1- drive LF and pins 2+/2- drive HF.

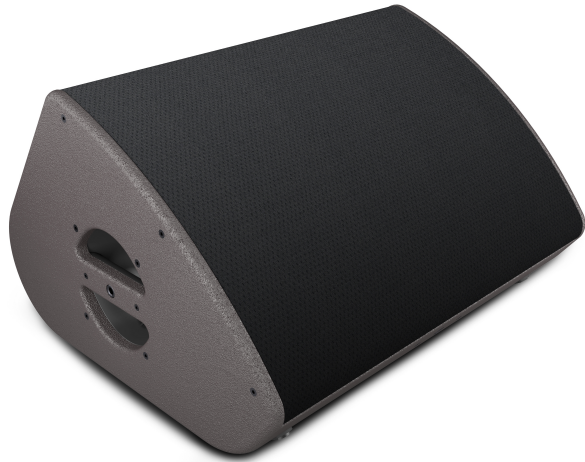
03 Application presets

Use [X15] for point-source and narrow-fill use; use low-latency [X15_MO] for stage monitoring.

Low-latency monitor mode: 0.84 ms with LA4X / LA12X • 1.18 ms with LA8

Deployment Options

Dual-angle monitoring plus pole, wall, ceiling and flown configurations



35°

WITHOUT RISERS

55°

WITH RISERS

01

Reference floor monitor

Choose the built-in 35° or 55° angle to control performer coverage and stage footprint.

02

Pole-mounted narrow fill

Two integrated 35 mm sockets support portrait or landscape short-throw reinforcement.

03

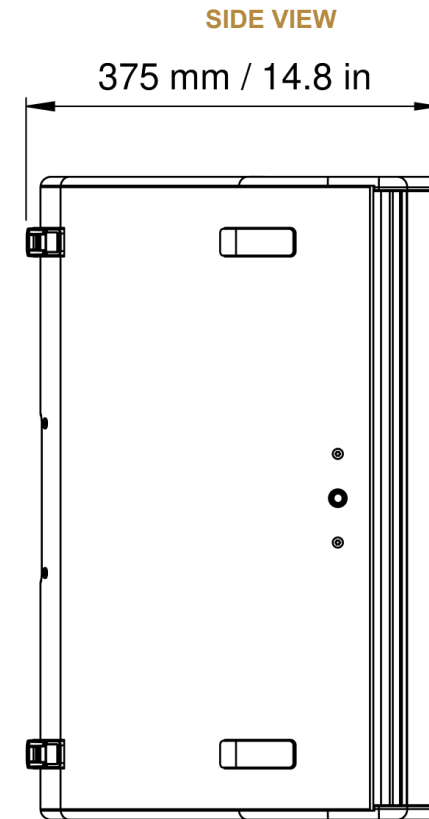
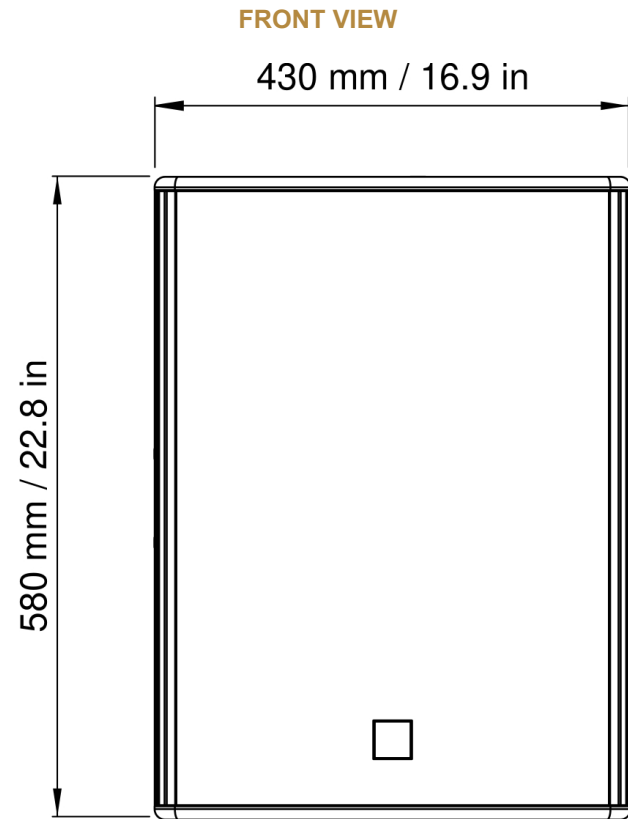
Wall, ceiling or flown

Long and short U-brackets, tilt hardware and the single-enclosure rigging bar support multiple orientations.

Use the M8 safety insert for a secondary safety on every flown deployment.

Technical Drawing / Enclosure

Complete front and side engineering views with official dimensions



580 mm H

430 mm W

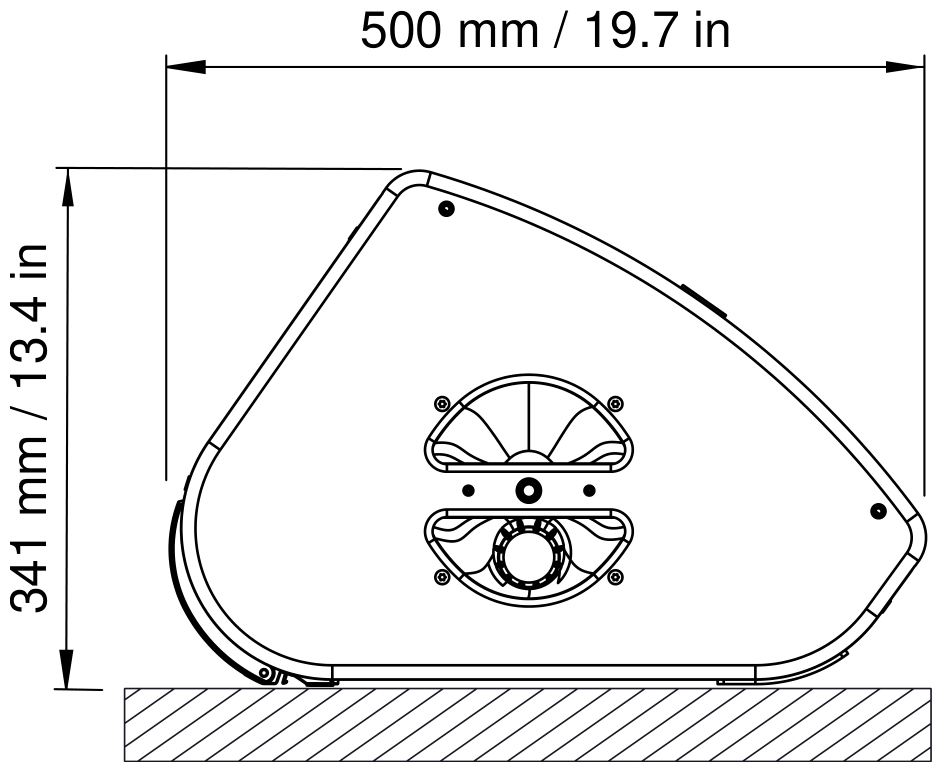
375 mm D

21 kg

Technical Drawing / Monitor Geometry

Complete official stage-monitor profiles for both built-in angles

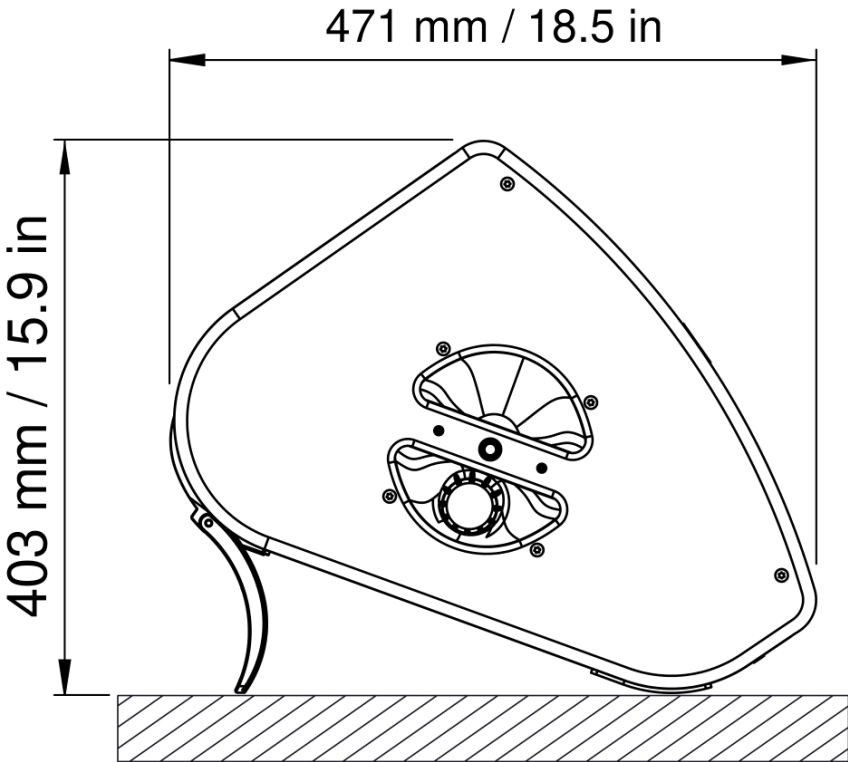
35° WITHOUT RISERS



500 mm

341 mm

55° WITH RISERS



471 mm

403 mm

System Elements & Accessories

Official rigging, tilt, pole-mount and amplified-control options

X-UL15



Long U-bracket for portrait or landscape mounting.

X-US1215



Short U-bracket for compact mounting and pole use.

X-BAR



Rigging bar for one enclosure.

X-UTILT



Tilt-adjustable wall-mount interface.

EMBi



Pole-mount interface for X Series brackets.

CLAMP250



Certified clamp for loads up to 250 kg.

LA4X



Four-channel amplified controller for compact systems.

LA12X



High-output amplified controller for larger systems.

Application Scenario

Festival stage monitoring with controlled performer coverage



LIVE FESTIVAL

Reference monitoring for high-energy stages

A documented large-scale festival deployment used twelve X15 HiQ enclosures as stage monitors. The controlled beamwidth supports strong performer impact while limiting spill into adjacent zones.

The same platform also supports broadcast stages, touring productions, theatre monitoring and narrow-fill coverage.

FESTIVAL STAGE

High-output performer monitoring

TOURING SYSTEM

Fast dual-angle deployment

PRECISION FILL

Pole, wall, ceiling or flown

Safety, Operation & Service

Official guidance for deployment, connection, maintenance and fault checks

EXTERNAL AMPLIFIED CONTROL



No internal mains supply

Voltage / rated current / fuse

Not applicable to the enclosure.

Power specifications belong to the selected amplified controller and must be checked in that controller's manual.

01

Safety

Installation and rigging must be performed by trained personnel. Inspect before deployment and add M8 secondary safety when flying.

03

Operation

Load [X15] for point-source use or [X15_MO] for low-latency monitoring; respect controller channel limits.

05

Troubleshooting

For NC, inspect cables and connections. For NOK or UNDEF, verify preset and test conditions before service.

02

Connection

Use only up to 10 m / 30 ft, 4 mm² speaker cable; do not parallel enclosures. LF: 1+/1-. HF: 2+/2-.

04

Maintenance

Inspect rigging and hardware before use, after repairs and at least annually; perform enclosure and listening checks.

06

Technical Data

55 Hz–20 kHz; 138 dB; 40° × 60°; 21 kg; IP43; 8 Ω LF + 8 Ω HF.

Product Summary

X15 HiQ combines reference monitoring, high output and deployment flexibility



X15 HiQ

REFERENCE STAGE MONITOR

138 dB

Maximum SPL

55 Hz

Low-frequency limit

40° × 60°

H × V directivity

21 kg

Net weight

Touring stages, broadcast productions, theatres, houses of worship and precision short-throw applications