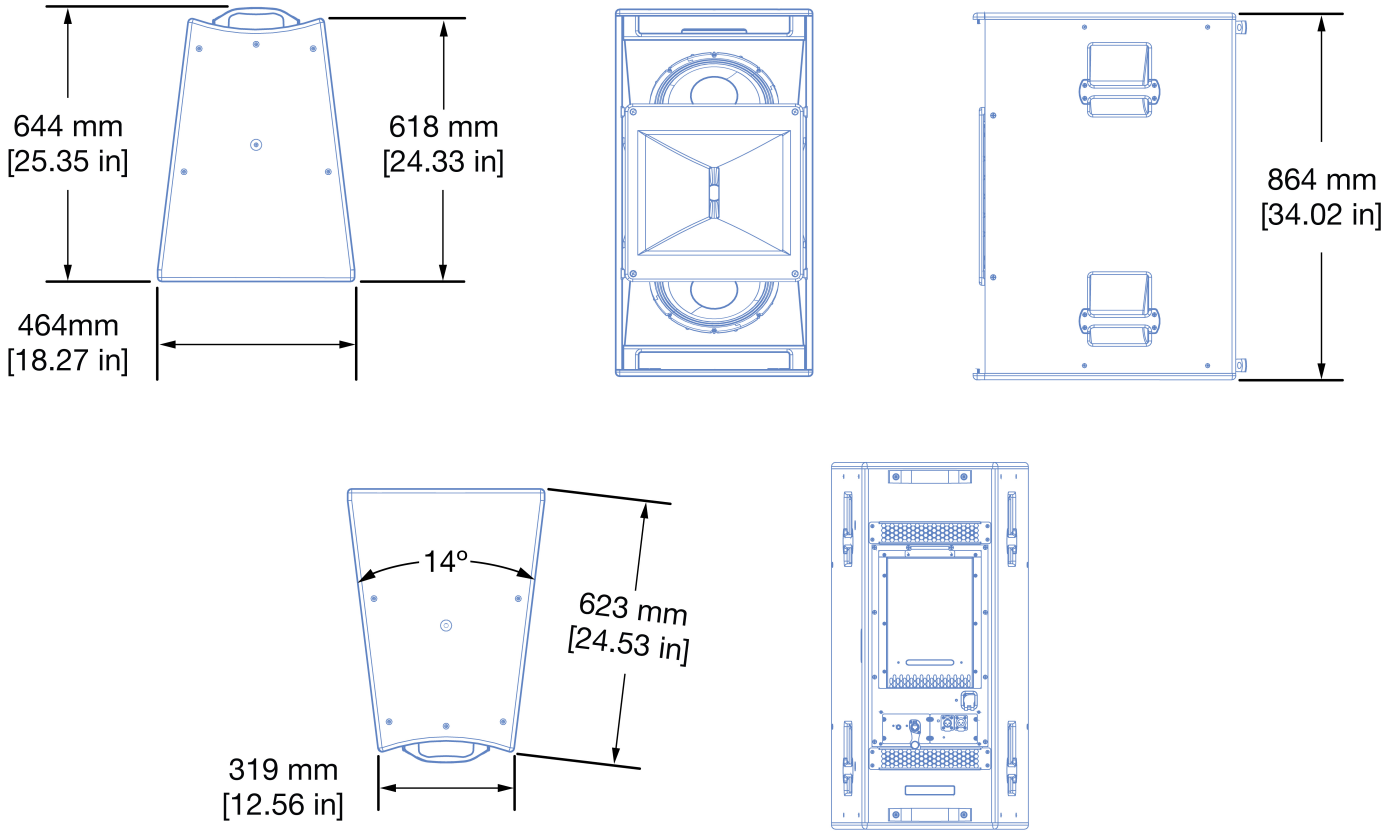
DATASHEET — ULTRA-X80

ULTRA-X80, ULTRA-X82

ULTRA-X80 | X82 DIMENSIONS



ULTRA-X80 | X82 SPECIFICATIONS

ACOUSTICAL[1]	ULTRA-X80	ULTRA-X82
Operating Frequency Range	55 Hz - 18 kHz, ±6 dB	
AES75 Maximum Linear Sound Levels[2]	122 dBZ, 140 dBZpk, 119.6 dBA, with an RMS input level of +3.0 dBV, 50º C	123 dBZ, 141 dBZpk, 121 dBA, with an RMS input level of +3.0 dBV, 50º C
COVERAGE		
Horizontal Coverage	95°	50°
Vertical Coverage	40°	40°

TRANSDUCERS	
Low Frequency	Two 12-inch long-excursion cone drivers
High Frequency	One 4-inch diaphragm compression driver connected to a rotatable horn
PHYSICAL	
Weight	62.6 kg (138 lb)
Enclosure	Premium multi-ply birch, slightly textured black finish. The Outdoor Temporary (OT) version includes additional treatment of the cabinet wood.
Protective Grille	Powder-coated, stamped steel. The OT version also includes stainless steel mesh behind the grille.
Rigging	M8 x 1.25 mm accessory attachment points, six on bottom, six on top
IEC Ingress Protection Rating (IP Rating)	The OT version is IP55 rated, when connected to cables terminated with Neutrik TOP connectors
AC POWER	
Connector	Neutrik powerCON TRUE1 TOP (True Outdoor Protection)
Operating Voltage Range	200 – 240 V AC, 50 or 60 Hz
POWER CONSUMPTION	
Max Long-Term Continuous Power (>10 sec)	900 W
Burst Power (<1 sec)	2400 W
Idle Power	55 W
ANALOG AUDIO INPUT[3]	
Connector	Neutrik XLR 3-pin TOP (True Outdoor Protection) female input with male loop output.
Input Level	Source must be capable of producing +24 dBU into 600 Ω to produce the maximum peak SPL over the operating bandwidth of the loudspeaker.
DIGITAL AUDIO INPUT[3]	
Connector	Neutrik etherCON TOP (True Outdoor Protection)
Digital Format	AVB, Milan Certified
MONITORING	
Telemetry	Loudspeaker telemetry transmitted via the Ethernet port, displayed in software

NOTES

1. Loudspeaker system predictions for coverage and sound levels are available in Meyer Sound's MAPP System Design Tool.
2. AES75 Maximum Linear Sound Level is measured in free-field at 4 m with a Class 2 sound level meter in accordance with IEC 61672 and ANSI S1.4. Values are scaled to 1 m distance from the loudspeaker when the loudspeaker is reproducing Music-Noise with less than 2 dB of compression for at least 1-hour, 40-degree C ambient temperature.

Music-Noise is a full bandwidth, (10 Hz – 22.5 kHz) test signal with a crest factor that more closely represents typical program material. It has a constant instantaneous peak level in octave bands, a crest factor that increases with frequency, and a full bandwidth Peak to RMS ratio of 18 dB.

3. Both analog and digital audio inputs are provided as standard.