



ORDERING INFORMATION

LRAD-360-HEAD LRAD 360X omnidirectional long range warning and communications system, 1,2 or 4 emitter option

INCLUDED ACCESSORIES

1 RU Amplifier Remote control interface to power each amplifier on and off, read fault status and control volume. The LRAD 360X amplifiers can go from powered off to fully operational in less than 1 second. This helps to preserve the capacity of your UPS batteries during a power failure.

Cables 70ft, cable assembly - amplifier to head unit, 18AWG

OPTIONAL ACCESSORIES

LRAD 360X Mobile Trailer Dual axel trailer with telescoping/folding mast (30ft' max height) and rechargeable battery bank for 8 hours of continuous operation

Rooftop Mount 38" rooftop mount

DIRECTIONALITY, POWER & RANGE

- › 360° uniform sound coverage
- › Powerful, highly intelligible voice communications up to 5.3sq km
- › Clearly communicate lifesaving information over large areas

FEATURES

- › Fully ruggedized space saving 1RU amplifier modules
- › Low power consumption for extended power outages
- › Industry leading voice clarity and intelligibility

MARKETS SERVED

- › Law Enforcement
- › Defense
- › Commercial Security
- › Critical Infrastructure Security
- › Maritime
- › Homeland Security
- › CBRNE Incident Management
- › Port & Border Security
- › Emergency Warning
- › Mass Communication
- › Wildlife Preservation & Control

**ONE VOICE - ALERT,
COMMUNICATE AND CALM
THE PUBLIC**

The LRAD 360X delivers LRAD's renowned powerful, highly intelligible voice and warning tone broadcasts with perfect 360° coverage. The LRAD 360X broadcasts uninterrupted audio communications over distances up to 1.3 Kilometers radius. LRAD 360X emitters can be stacked four high to produce audio up to 143dB at 1 meter.

The LRAD 360X can be mounted on buildings and/or stand-alone poles with an option on an integrated fully self-contained, ruggedized trailer. Each 360X 2RU amplifier module drives two emitters. The 360X is built to withstand up to 200 mph winds, is field upgradeable for added area coverage and features flexible power options including battery, generator and solar. An optional TCIP network control interface can be used for remote activation and control of multiple devices.

	ONE EMITTER	TWO EMITTER	FOUR EMITTER
MAXIMUM SPL AT 1 M	131 dBA	137 dBA	143 dBA
70 dB COVERAGE RADIUS ¹	560 m	850 m	1300 m
ACOUSTIC ARRAY DIMENSIONS	Dia = 34 in / 86.3 cm H = 27.2 in / 69 cm	Dia = 34 in / 86.3 cm H = 39.2 in / 99.6 cm	Dia = 34 in / 86.3 cm H = 63.2 in / 160.5cm
ACOUSTIC ARRAY WEIGHT	110 lbs./ 49.9 kg	160 lbs./ 72.6 kg	260 lbs./ 117.9 kg
ACOUSTIC ARRAY EFFECTIVE PROJECTED AREA (EPA)	710 sq-in 0.458 sq-m	1025 sq-in 0.661 sq-m	1655 sq-in 1.07 sq-m
*ACOUSTIC ARRAY CONDUIT INLET (ENGLISH THREADS)	G-3/4" BSPP	G-3/4" BSPP	G1-11 BSPP
*ACOUSTIC ARRAY CONDUIT INLET (US THREADS)	3/4" NPT	3/4" NPT	1" NPT
AMPLIFIER POWER CONSUMPTION (MAX/ TYP)	395W/180W	790W/360W	1580W/720W
AMPLIFIER DIMENSIONS	Single 1RU amplifier: D=14.5in W=19in H=1.725 (1RU)	Two 1RU amplifiers: D=14.5in W=19in H=3.45 (2RU)	Four 1RU amplifiers: D=14.5in W=19in H=6.9 (4RU)
AMPLIFIER WEIGHT	7.4 lbs	14.8 lbs (2X 7.4 lbs)	29.6 lbs (4X 7.4 lbs)
REQUIRED AIRFLOW	26cfm	32cfm	64cfm
THERMAL LOAD	75W at max output power of 320W (81% Efficiency)	150W at max output power of 640W (81% Efficiency)	300W at max output power of 1280W (81% Efficiency)
INRUSH CURRENT	<20A	<40A	<80A
STANDBY POWER CONSUMPTION	0W		
AMPLIFIER INPUT POWER	20-32VDC		
AMPLIFIER INTERFACES	Hard power on/off switch, Resettable pushbutton 40A circuit breaker, One XLR balanced audio input (0.775 VRMS, 2.0kOhm load), One RCA single ended audio input (0.775 VRMS, 1.0kOhm load), One RCA single ended audio out pass through for daisy-chaining multiple amplifiers, Power LED, green, Master volume control rotating knob with a 300° rotation, 8-pin speaker out Phoenix screw connector, 12 AWG to 24 AWG, Two 10-32 studs for DC power input, 10-pin Remote Control Interface Phoenix screw connector, 16 AWG to 28 AWG		
REMOTE CONTROL INTERFACE FUNCTIONS	Remote power on/off, Two bit remote volume control, Latching fault, Fault reset		
SAFETY	CE		
EMC	FCC Class A Radiated Emissions, CE		
CONSTRUCTION	Composite, Aluminum, Galvanized Structural Steel		
HAZARDOUS SUBSTANCES	RoHS Compliant		