



# LRAD<sup>®</sup> 360X

**ONE VOICE™ For Mass Notification & Public Address**



## 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 with 0.95 STI

## MARKETS SERVED

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

### 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. LRAD 360X amplifiers power up and are fully operational in less than 1 second to preserve UPS batteries during power failures.

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

### OPTIONAL ACCESSORIES

LRAD 360X Mobile Trailer      Dual axle trailer with telescoping/folding mast (30ft / 9.14m max height) and rechargeable battery bank for 8 hours of continuous operation

Rooftop Mount      38in (96.5cm) rooftop mount



LRAD products are available for purchase through multiple channels including: GSA Advantage, Federal and State grants, FEMA RKB Standardized Equipment List (SEL), and others. More information: [info@LRAD.com](mailto:info@LRAD.com)



**ONE VOICE FOR HIGHLY INTELLIGIBLE EMERGENCY WARNING & PUBLIC ADDRESS**

The LRAD 360X delivers LRAD's renowned highly intelligible voice and warning siren broadcasts with perfect 360° coverage. The LRAD 360X broadcasts uninterrupted audio communications over a 1.3km radius. LRAD 360X 4 emitter systems produce audio up to 143dB of audio at 100ft.

Mounted on buildings and/or stand-alone poles with an integrated fully self-contained, ruggedized trailer option, 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.

Each 360X 2RU amplifier module drives two emitters. An optional TCP/ IP network control interface is available for remote activation and control of multiple installations.

The LRAD 360X has the mass notification industry's highest Speech Transmission Index with a 0.95 measurement, approximately twice the FEMA and UFC HPSA standards.

	ONE EMITTER	TWO EMITTER	FOUR EMITTER
MAXIMUM SPL AT 1 M	131dBA	137dBA	143dBA
70 dB COVERAGE RADIUS <sup>1</sup>	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	1025 sq-in	1655 sq-in
*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 (3.36kg)	14.8 lbs / 32.62 kg (2X 7.4 lbs)	29.6 lbs /65.25 kg (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		
TEMPERATURE	-40°C to +60°C		
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, UL Listed		
EMC	FCC Class A Radiated Emissions, CE		
CONSTRUCTION	Composite, Aluminum, Galvanized Structural Steel, Nema 4X emitter		
HAZARDOUS SUBSTANCES	RoHS Compliant		

