Genasys™

LRAD® 500X-MMT

Helicopter-Mounted, Air-to-Ground Communication System

LRAD

PRODUCT DESCRIPTION

LRAD-500X-MMT	LRAD 500X system with adjustable helicopter mount and integrated rechargeable power pack.

INCLUDED ACCESSORIES

Control Module	Remote MP3 control module with 8GB onboard storage memory
Record on the Fly Mic	Microphone with record and playback feature for immediate playback
CD Player Cable	3.5mm plug
USB Cable	USB cable for downloading files to the MP3 player
Hearing Protection	Disposable hearing protection
Head Unit Soft Cover	Protects unit from UV rays, dirt, and dust

LRAD 500X-MMT is quickly installed and removed from helicopter cabin floor with included jaw clamps. FAA STC not required.

LONG RANGE AIRBORNE COMMUNICATIONS

- Powerful, intelligible communication over distances out to 2,000 meters
- Variable beam width for extended coverage
- Quickly installed and removed from helicopter
- Self-powered
- STC not required

FEATURES

- Ruggedized mount aims and locks LRAD into position
- Self-powered for 4 to 6+ hours of continuous operation when fully charged
- Integrated battery monitor displays battery charge level reading
- Simple to install and operate
- Control unit may be mounted on the back of the LRAD or operated via remote cable (included)
- Mounts to helicopter cabin floor with included jaw clamps

MISSIONS

- Law Enforcement
- Defense
- Maritime
- Homeland Security
- Fire Rescue & Incident Management
- Port & Border Security

LRAD® 500X-MMT

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HELICOPTER-MOUNTED LRAD SYSTEM

The LRAD 500X-MMT features an adjustable helicopter mount with an integrated rechargeable power pack for full LRAD positioning and operation inside most helicopters.* Self-powered and designed to be temporarily mounted and quickly removed following mission completion, the rugged mount provides a full range of pan & tilt motion or can be easily locked in a desired orientation. The LRAD 500X MMT comes with 12-Jaw Cargo Tie Down Quick Disconnect Adapters to accommodate a variety of helicopter cabin floor mounting options.

Integrated lead acid absorbed glass mat (AGM) batteries power the LRAD 500X MMT for 4–6+ hours of continuous operation. Sealed and maintenance free, the batteries feature an integrated battery level monitor.

A separate charger capable of charging a fully discharged battery bank in approximately 10 hours comes standard with the LRAD 500X MMT.

* Compatible with most medium/large commercial and military helicopters including Sikorsky H-60, S-76, H-92, and H-3; Bell UH-1, 204/5, and 214; Eurocopter AS330, 332, and 365; and Agusta Westland AW139.

The helicopter mount is not compatible with stand-alone LRAD 500X systems.

ACOUSTIC PERFORMANCE

Maximum Peak Output	154dB SPL @ 1 meter, C-weighted
Maximum Continuous Output	149db SPL @ 1 meter, A-weighted
Sound Projection	+/- 15° @ 1kHz/-3dB
Communication Ranges	Highly intelligible voice messages over slant ranges of 2,000+ meters; Maximum range of 650 meters over 88dB of background noise.

ENVIRONMENTAL PERFORMANCE[1]

Hot Operating Temperature	MIL-STD-810G, Method 501.5, Procedure II, Design type Hot, 60°C
Cold Operating Temperature	MIL-STD-810G, Method 502.5, Procedure II, Design type Basic Cold, -33°C
Hot Storage Temperature	MIL-STD-810G, Method 501.5, Procedure I, 70°C
Cold Storage Temperature	MIL-STD-810G, Method 502.5, Procedure I, -40°C
Operating Humidity	MIL-STD 810G, Method 507.5, Procedure II – Aggravated Cycle
Rain	MIL-STD-810G, Method 506.5, Procedure I, Blowing rain
Salt Fog	MIL-STD-810G, Method 509.5
Shipboard Vibration	MIL-STD-167-1A
Shipboard Shock	MIL-S-901D, Class I, Shock grade B
Random Vibration	MIL-STD-810G, Method 514.6, Wheeled Vehicles
SRS Shock	MIL-STD-810G, Method 516.6, Procedure I, (Functional shock)

[1]TESTED BY NATIONAL TECHNICAL SYSTEMS (NTS) FOLLOWING MIL-STD-810G, MIL-STD-167-1A & MIL-S-901D.

MECHANICAL

Dimensions	28″W x 42″H x 13″D (71.12cm x 106.68cm x 33.02cm)
Weight	175 lbs. (34 kg)
Construction	Molded cross-linked polyethylene, 6061 Aluminum, 316 Stainless hardware

ELECTRICAL REQUIREMENTS[2]

Power Consumption	Maximum Power consumption 265 Watts (With tone) Normal power consumption 60 Watts (With voice content)
Battery Capacity	70Ah (4 to 6+ hours of continuous operation)
Battery Charger	Input: 100-230VAC 50/60Hz; Output 7A/24VDC
LRAD 500X Power Input	12-28VDC
Power Cord	54in (137.16cm)

[2]TYPICAL POWER WITH WARNING TONE. NORMAL POWER CONSUMPTION WITH VOICE CONTENT, SOUND PROJECTION IS WIDE AND VOICE BOOST IS OFF.

SAFETY[3]

	MIL-STD-1474D

[3]MIL-STD-1474D STANDARD ESTABLISHES ACOUSTICAL NOISE LIMITS AND PRESCRIBES TESTING REQUIREMENTS AND MEASUREMENT TECHNIQUES FOR DETERMINING CONFORMANCE TO THE NOISE LIMITS SPECIFIED THEREIN.

ELECTROMAGNETIC COMPATIBILITY (EMC)[4]

	FCC Part 15 class A radiated emissions, CE

[4]REQUIREMENTS FOR THE CONTROL OF ELECTROMAGNETIC INTERFERENCE CHARACTERISTICS OF SUBSYSTEMS AND EQUIPMENT.

Genasys - A Critical Communications Company

Genasys Inc. is the global leader in Long Range Voice Broadcast systems and advanced Public Safety Notification and Emergency Warning solutions. The Company's LRAD systems are in service in 72 countries and in more than 450 U.S. cities, counties, and states In diverse applications, including public safety mass notification, law enforcement defense, border and homeland security, critical infrastructure protection, fire rescue and emergency management, maritime and port security, and wildlife control and preservation.

For more information, please visit: **genasys.com**

FEMA GSA Advantage!™ RKB.US

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: sales@genasys.com

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