



*Watertight & Dust Proof
Rugged Enclosure*

Dash Mounted Controller

PRODUCT INFORMATION

SB-KIT-BLOCKII-DM	LRAD Mobile Sound Shield (MSS) system includes emitter head on a magnetic base, 160 watt power amplifier, dash mounted controller, and all cables and accessories.
114927-00	Kit, Mobile Sound Shield Head Unit w/ Mag Mount in Hard Case
114927-01	Kit, Mobile Amplifier, 160W, Mobile Sound Shield
114927-02	Kit, Mobile Sound Shield Control Unit, Dash Mounted, Packaged
114927-03	Kit, Mobile Sound Shield Cables and Accessories, DM Control, Packaged

CONFIGURATION OPTIONS

SB-CM-CONSOLE	MSS Center Console Remote Control Unit
SB-KIT-SP	MSS Spares Kit (contains DC power cable, noise cancelling PTT recording microphone, amp-to-emitter cable assembly, and control unit-to-amp cable assembly)

SECURITY & COMMUNICATION

- ▶ Powerful acoustic security capability and attention-commanding communication
- ▶ Safe, non-kinetic warning tone creates instant acoustic standoff perimeter around any vehicle
- ▶ Communicate out to 100 meters from the safety of a vehicle's interior

FEATURES

- ▶ Rugged black emitter head with magnetic vehicle mount and hard case
- ▶ Dash mounted controller with 2GB of memory plays prerecorded messages and tones
- ▶ Simple to operate user interface
- ▶ Contains (2) 8-hour rechargeable LiFePo4 batteries
- ▶ Low power requirements
- ▶ DC powered 300ma battery charger with LED battery charge status display
- ▶ Watertight and dust proof amplifier hard case

APPLICATIONS

- ▶ Government Vehicle Security
- ▶ Commercial Vehicle Security
- ▶ Critical Infrastructure Security



INTEGRATED 360° VEHICLE SECURITY & COMMUNICATION

The LRAD MSS broadcasts powerful warning tones and highly intelligible voice commands in a 360° radius out to 100 meters.

Using optimized driver and waveguide technology, the LRAD MSS surrounds an equipped vehicle with an acoustic security barrier and an attention-commanding communication capability.

The LRAD MSS warning tone is a safer alternative to kinetic measures for preventing security incidents from escalating.

Featuring noise-dampening technology that significantly reduces audio levels inside a vehicle by 20–30 dB, LRAD MSS audio levels are reduced an additional 10–20dB by vehicle windows and the roof on which it is mounted.

Safe even at maximum audio, the LRAD MSS secures vehicles and passengers, and provides instant exterior communication from within the safety of a vehicle.



ACOUSTIC PERFORMANCE

Maximum Continuous Output	125db SPL @ 1 meter, A-weighted (warning tone)
Output	102.1 dB SPL @ 1 meter, A-weighted (voice)
Sound Projection	360° @ 1kHz/-3dB
Communication Range	Highly intelligible voice messages out to 100 meters. Maximum effective range of 65 meters over 88 dB of background noise.

ENVIRONMENTAL PERFORMANCE¹

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, Shipboard Shock, 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)

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

MECHANICAL

Dimensions	5.6" H; 16" Diameter (14.2 cm H; 40.6 cm Diameter)
Weight	12 lbs.; (5.44 kg)
Construction	Construction Molded low smoke composite, 6061 Aluminum, 316 Stainless hardware

ELECTRICAL REQUIREMENTS²

Power Consumption	Maximum Power consumption 85 Watts (with warning tone); Normal power consumption 20 Watts (With voice)
Power Input	10.8 to 165.8 VDC Rechargeable 13.2 VDC LiFePo battery provides up to 2 hours of continuous operation at maximum tone volume.

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

SAFETY³

MIL-STD-1474D

³MIL-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

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

