

PRODUCT SHEET

SYSTEM COMPONENTS

LRAD 100X can be integrated with a variety of accessories for custom security solutions



MP3 PLAYER

ATC's hardened, ruggedized MP3 player comes standard with LRAD 100X and is used to play up to 1GB of pre-recorded messages and warning tones.



MICROPHONE

The Shure Model 577B Microphone is a handheld dynamic microphone designed for communications that require highly intelligible, low noise output.



Li-Fe-PO4 BATTERY

The Lithium Iron Phosphate rechargeable battery provides up to two hours of continuous operation at maximum output with typical audio content.



THE LRAD-X™ ADVANTAGE:

LOUD, LONG-RANGE COMMUNICATION

- CLEAR COMMUNICATION AT UP TO 1000 METERS
- 137DB AT 1 METER MAXIMUM CONTINUOUS OUTPUT
- OVERCOME 85DB OF BACKGROUND NOISE AT 250 METERS
- REDUCES THE RISK OF EXPOSING NEARBY PERSONNEL TO EXCESSIVE AUDIO LEVELS

DIRECTIONAL SOUND

- 30 DEGREE PRIMARY BEAM
- COMMUNICATE WHERE YOU NEED TO
- AVOID DISTORTION FROM REFLECTED SOUNDS

EASY TO USE

- SIMPLE, FLEXIBLE CONTROLS
- HANDHELD OR SELF STANDING
- COMPACT AND PORTABLE
- MICROPHONE AND MP3 INTERFACE

RUGGED

- WATERPROOF
- HIGH IMPACT POLYMER CONSTRUCTION
- LIGHT WEIGHT - 15 LBS. (6.8 KG.)

LOUD, UNMISTAKEABLE COMMUNICATION WITH LRAD 100X

LRAD 100X is a self contained, handheld, portable loud hailer that outperforms megaphones and most permanent public address systems. LRAD is an easily transportable communication tool that overcomes the background noise of vehicles, vessels, sirens, and boisterous crowds to ensure the message is clearly heard and understood.

LRAD 100X is 20-30 decibels (dB) louder than even the most competitive megaphones. Systems of comparable size and power do not match the intensity of LRAD 100X, which is four to six times louder. Optimized driver and wave-guide design ensures clear and loud voice communication so every syllable is understood. The warning tone provides a non-lethal deterrent, shapes behavior, and supports intent determination while preserving time for force escalation.

This unmatched acoustic performance comes in a rugged package that can be operated in driving rain. Interfaces include a standard microphone as well as a rugged media player designed for easy operation in demanding environments.

Maximum power in a small package - The LRAD 100X is the world's best solution for on-scene and tactical communications.

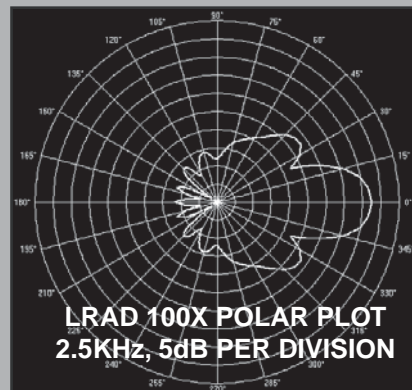
ACOUSTIC PERFORMANCE

Communications Range

Intelligible speech transmissions
at distances up to 300 meters

Maximum Volume (SPL)
Acoustic "Beam" Width

137dB at 1m continuous maximum output
30° at 2.5kHz



MECHANICAL

Dimensions
Total System Weight

14" W x 14" H x 6.5" D (35.6 x 35.6 x 16.5 cm)
15 lbs (6.8 kg)

POWER

Requirements

Battery Powered 10.8 to 16.8 VDC
Included rechargeable Li-Ion battery for up to 2 hours of
continuous operation on a full charge

ENVIRONMENTAL

Operating Temperature
Ingress protection (IP Class)

-20 to 50°C
IP 57

Drop

Emitter and mp3 player protected against
submersion in water
Impact resistant construction will survive a
1 meter drop

