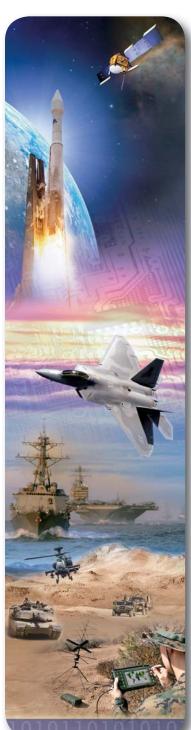


L-3's ENTR V4 is the latest in the long line of UHF Integrated Broadcast Services (IBS) receivers. It features lowest Size, Weight and Power (SWaP) in a form factor that is well-suited to any platform.



L-3 Telemetry & RF Products
(L-3 T&RF) ENTR V4 receives the
Integrated Broadcast Service (IBS) UHF
SATCOM signals via Direct-to-Digital
RF processing. Therefore, ENTR V4
supports up to 6 IBS channels, without
the need for costly, sensitive, RF
components. The channel scheme can
be reconfigured dynamically without



interfering with operations. ENTR V4 is designed to interface to any host platform that has an Ethernet port. With in-radio processing, the ENTR V4 only needs to plug into a display so the war fighters can view the IBS data.

With its small form factor and Ethernet connection, ENTR V4 is ideal to connect with mobile servers, lap tops, tablets, and various platforms that use Ethernet. It can be powered by a flexible 5-34 VDC input, which allows for users to utilize a variety of power sources, from a battery pack to aircraft power.

The ENTR V4 natively hosts the TRS software. Communicating via Ethernet, the ENTR V4's TRS output can feed any TDP that TRS supports. The interface software is compatible with all the mainstream message processing and control software. Alternatively, the ENTR V4 can connect to an external TRS (hosted on any Windows 7 PC), again via Ethernet.

ENTR V4 is software-programmable allowing changes or improvements to be made by upgrading the firmware or software. These upgrades and new releases can be distributed via electronic media, which fosters a more robust solution for today, and lower maintenance costs throughout the life of the ENTR V4.

The ENTR V4 contains reprogrammable, NSA-Approved, Type 1 crypto and is TEMPEST certified. Crypto key loading is easier than ever with the ENTR V4's Automated Key Loading and Handling. Now, all keys can be directly loaded without need of a PC or other user interface. Just plug-in any standard fill device to the standard DS-101 port and the ENTR V4 handles the rest.

The ENTR V4 can be powered by a wide range of DC inputs—from 5-34 VDC. This makes it ideal for 28 VDC aircraft power, or for low voltage applications powered by an external battery. Dual DC inputs simplify battery powered operations for dismounted warrior. When it's time to change a battery pack, plug into the second DC input, and then remove the first—all without interrupting operations of the ENTR V4.

ENTR V4 EMBEDDED NATIONAL TACTICAL RECEIVER



SPECIFICATIONS

FUNCTIONAL		ENVIRONMENTAL	
Receive Only, UHF Only	243-270 MHz	Operating Temperature	-40 °C to +71 °C no external cooling
Dynamic Range	65 dB	requi	equired
Noise Figure	5.5 dB	Storage Temperature	-54 °C to +95 °C
POWER REQUIREMENTS		Vibration	MIL-STD-810G, Category 12 and 14 (Fixed & Rotary Wing Vibration)
DC Input	5-35 VDC, 12 Watts	Shock (non-operating)	40g half-sine, 5 msec in each axis
Overvoltage Protection	>60 V	Acceleration (operating)	20g for 1 minute in each axis
		Altitude	up to 60,000 ft.
		ЕМІ	MIL-STD-461F
		MECHANICAL	
		Volume	7.1 cu. in. nominal

Size

Weight

FEATURES

- · Receipt of near real-time intelligence
- · Battlefield and situational awareness
- · Threat assessment data
- Targeting and retargeting information
- · Digitized channel reception, dynamically configurable between CIB & IBS-Simplex
- · Software-controlled
- Embedded decryption
- Ethernet interface
- · Easily installed by User
- Embedded firmware/software upgradable via electronic media
- Crypto-programmable

L-3 Telemetry & RF Products

8.4" L x 3.6" W x 2.1" D

2.4 lbs.

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