

LPAS-320U

Lightweight Portable Amplification System
RF Amplifiers



Features

- Universal charging pocket supports up to 16 widely fielded handheld radios (including variants)
- Includes A-320V1 amplifier
- Includes 90-512 MHz multiband antenna
- Integrated power supply

Overview

The LPAS-320U (Lightweight Portable Amplification System) combines versatility and functionality in one packaged solution weighing less than 6 kg.

The LPAS includes the popular A-320* amplifier, an integrated MRC-93 rechargeable power supply and universal radio pocket. The universal pocket accepts 16 radios (including variants) fielded today. Optional accessories such as handset, speaker, and antennas are available.

The LPAS-320U is lightweight and highly portable. It is ideal for SATCOM-on-the-move (SOTM) applications where it can be quickly moved from vehicles to TOCs or used as a manpack kit. The LPAS-320U is designed to accept lithium-ion, lithium, nickel metal hydride, sealed lead acid batteries, or a wide range of AC and DC inputs.

*LPAS-320U compatible with A-320V1, A-320V2-A, and A-320V3 amplifiers ONLY.



LPAS-320U includes the popular A-320 30 - 512 MHz amplifier and a 90 - 512 MHz multiband antenna



LPAS-320U Specifications

AC Input	95 - 265 V AC	
DC Input	11 - 36 V DC	
Radio Pocket	Universal	
Size	Width	26.29 cm
	Length	28.70 cm
	Height	8.89 cm
Environmental Qualifications	MIL-STD-810G Temperature Shock Vibration Altitude Humidity Rain Salt Fog Sand and Dust	
Reliability	+ 15,000 hours	

MRC-93 Specifications

AC Input	95 - 270 V AC 47 - 440 Hz	
DC Input	9 - 36 VDC	
DC Output	26.5 V DC @ 5.5 amps (7 amps peak)	
Size	Height	8.31 cm
	Width	26.92 cm
	Depth	15.88 cm
Weight	1.7 kg (without battery)	
Cables Included	PCP-35 AC input PCP-65 DC input	
Cables Optional	PCP-55 Auto - DC with banana plugs PCP-40 DC input PCP-235 NATO input	

Supported Radios

Thales AN/PRC-148 MBITR
Thales AN/PRC-148 JEM
Harris AN/PRC-152(C) family VI - V6
Harris RF-5800M
Harris RF-5800V
Harris RF-7800HH
Harris RF-310M-HH01
Harris RF-310M-HH02
Harris RF-1033M-PR001
Harris RF-1033M-PR002
ITT Soldier Radio

A-320 Amplifier Specifications

Frequency	30 - 512 MHz (full spectrum)
RF Input	5 W (nominal)
RF Output (FM)	20 W
RF Output (AM)	20 W PEP 110 - 512 MHz
Power	18 - 36 V DC
SINGARS/HAVEQUICK	Compatible
RF Connector (RAD/ANT)	BNC/TNC
Operating Temperature	- 40°C to + 60°C
Weather Resistant	Yes
Finish	Black, Anodised

MRC-93 Power Supply Indicators

Battery	•
Charging	•
AC Operation	•
DC Operation	•

Supported Power Supplies

MRC-82A (Li-Ion)
MRC-92 (multi-chemistry)
MRC-93 (multi-chemistry)
MRC-99 (Lead Acid)
MRC-132 (NiMH)
PSU-40

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