

LPAS-320U Lightweight Portable Amplification System



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

Overview

The LPAS-320U (Lightweight Portable Amplification System) combines versatility and functionality in one packaged solution weighing less than 13 pounds. 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.

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**



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LPAS-320U Features:

AC Input	95-265 VAC
DC Input	11-36 VDC
Radio Pocket	Universal
Size (inches)	10.35(W) x 11.3(L) x 3.5(H)
Environmental Qualifications	MIL-STD-810G
Temperature	
Shock	
Vibration	
Altitude	
Humidity	
Rain	
Salt Fog	
Sand & Dust	
Reliability	+15,000 hours

MRC-93 Power Supply Indicators:

Battery	•
Charging	•
AC Operation	•
DC Operation	•

MRC-93 Features:

AC Input	95-270 VAC, 47-440 Hz
DC Input	9-36 VDC
DC Output	26.5 VDC @5.5 amps (7 amps peak)
Size	3.27"H x 10.6"W x 6.25"D
Weight	3.75 lbs. (w/o battery)
Cables Included	PCP-35 AC input PCP-65 DC input
Cables (Optional)	PCP-55 Auto - DC w/banana plugs PCP-40 DC input PCP-235 NATO input

A-320 Amplifier Features:

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

Supported Radios:

Thales AN/PRC-148 MBITR
Thales AN/PRC-148 JEM
AN/PRC-152 and all variants
ITT Soldier Radio

Supported Power Supplies:

MRC-82A (Li-Ion)
MRC-92 (multichemistry)
MRC-93 (multichemistry)
MRC-99 (Lead Acid)
MRC-132 (Ni-MH)
PSU-40



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