

A-320V3A-KT 30-512 MHz Amplifier Kit



Overview

The A-320V3A-KT represents the continued development of Ultralife's combat-proven A-320KT amplifier kit.

The kit includes the A-320V3A amplifier, 90-512 MHz multiband antenna, 30-108 MHz antenna, antenna mount, amplifier holster with MOLLE vest adapter, RF cables and power cable. The amplifier itself weighs a mere 24 ounces, and the entire kit weighs less than 3.1 pounds.

The A-320V3A-KT supports the latest TDMA waveforms including Soldier Radio Waveform (SRW) and Enhanced Position & Location Reporting System (EPLRS). The amplifier maintains support for legacy communications modes including HAVEQUICK, SINCGARS, and DAMA.

See reverse for complete kit picture

Features

- ▶ **30-512 MHz**
- ▶ **Supports new waveforms:**
 - SRW** (Soldier Radio Waveform)
 - EPLRS** (Enhanced Position & Location Reporting System)
- ▶ **AM operation**



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A-320V3A-KT Technical Specifications

Part No.	A-320V3A-KT
Size (H x W x D - inches)	1.5 x 3.75 x 5.5
Weight	24 oz. (680 g.)
Frequency Range	30-512 MHz
Input/Output Impedance	50 ohm
RF Input	5 watts (nominal)
RF Output - FM	20 watts
RF Output - AM	20 watts PEP/110-512 MHz
RX Path Insertion Loss	< .5 dB
RX Path VSWR	< 2:1
Bypass Path Insertion Loss	< 1 dB
Power	18-36 VDC
Power @ Transmit	~65 watts
Power @ Receive	< 3.0 watts
RF Conector RAD/ANT	BNC/TNC female
Operating Temperature	-40° to +60° C
Weather Resistant	MIL-STD 810F submersible 1M for 30 mins.
EMI	MIL-STD 461E
Finish	Green, anodized
Indicators:	
Power ON/OFF	•
Power Set	7, 10, 15, 20 watts
TX Active	•
RX Active	•
VSWR Fault	•
FM	•
AM	•
SYS/CUR	•
Battery	•
Over Temperature	•



Complete A-320V3A-KT kit with amplifier, amplifier holster, antennas, antenna mount and associated cables.



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