

A-320KT 30-512 MHz Amplifier Kit

Overview

We designed this kit specifically to meet the needs of the warfighter. At 24 ounces, the A-320 is the lightest and smallest 20 watt amplifier on the market. The A-320KT includes amplifier with quick-release mounting bracket, 90-512 MHz multi-band antenna, radio-to-amp RF cable, power cable, antenna and angle adjustable antenna mount with RF cable.

The A-320 has self-diagnostics with dimmable system indicators to monitor power and performance status. This solution is radio-agnostic and compatible with most 30-512 MHz military radios.

With over 10,000 units deployed in the past decade - the combat-proven A-320KT has become a favorite of operators in the field.

See reverse for complete kit picture

Features

- ▶ **20-watts / 30-512 MHz**
- ▶ **Single battery operation**
- ▶ **Includes 90-512 MHz multiband antenna**
- ▶ **Entire kit weighs less than 3.1 lbs.**
- ▶ **Combat-proven - over 6,000 units fielded**



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A-320KT Technical Specifications

Part No.	A-320KT
Size (H x W x D - inches)	1.5 x 3.75 x 5.5
Weight (amplifier/kit)	24 oz./<3.1 lbs
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	< 1.5 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	Black, anodized

Accessories Included

90-512 MHz multiband antenna
Quick-release amplifier holder
Antenna relocater
Power cable
RF cable (radio to amplifier)
RF cable (amplifier to antenna)

Accessories Oipotional

MOLLE vest adapter



Complete A-320-KT with amplifier, amplifier holder, antenna, antenna mount and associated cables.

