

RF-3162-AT001

MULTIBAND SOLDIER

ANTENNA (30-512 MHZ)

multimission

multiband

one radio

The Harris RF-3162 is an omnidirectional, vertically polarized antenna designed for operation while directly attached to the operator's vest or rucksack. Using this antenna, a 1-kg 5 Watt handheld radio can achieve similar range performance as a traditional manpack radio with an integrated blade antenna. The RF-3162 has three parts: a multiband dipole antenna, a quick, reliable mounting assembly and a coaxial cable for radio connection. The operator has the option of folding the antenna (over the shoulder, for example) to keep it below helmet level. The flexible antenna body attaches to the soldiers' clothing or web gear and adjusts to body shape or movement to remain comfortable. A short coaxial cable connects the antenna to the radio, allowing the radio to be carried in a holster, pocket, or vest pouch.

The RF-3162 is ground-independent (center-fed), and can be easily deployed in a variety of configurations. Use of the elevation kit, included, allows the antenna to be hoisted into trees or up masts to increase antenna height and extend the line of sight communication range while the radio remains on the ground or with the operator.

The antenna is optimized for modern soldier data transmission and minimizes the effects of electromagnetic interference from a PDA or laptop computer. When used with high-performance radios such as the Harris FALCON II® series, the RF-3162 becomes part of an exceptionally capable yet lightweight secure digital soldier radio system.



Specifications for the RF-3162

Electrical

Frequency Range	30-512 MHz
Polarization	Vertical
Gain	-15 to -2 dBi from 30 to 108 MHz 0 to +2 dBi from 108 to 512 MHz
Radiation Pattern	Omni-directional

VSWR	<3.5:1
RF Impedance	50 ohms (nominal)
Power	10 Watt
Matching	Passive

Mechanical

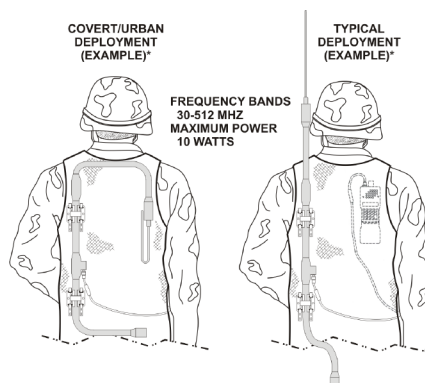
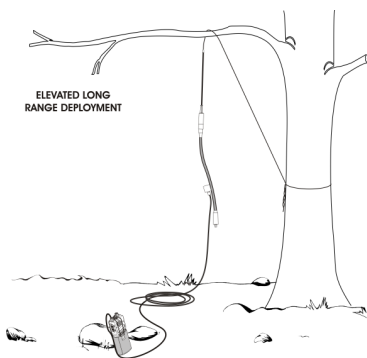
Height	1.7 m (5.8 ft)
Weight	<1.1 kg (2.5 lbs)
Color	Black
Submersible	20 meters

Environmental	MIL-STD-810F
Diameter	2.5 cm (1 in)
RF Connection	TNC (male)
Elevation Kit	5 M

Features

High Gain Antenna	VHF Dipole, UHF Dipole
Light Weight	Lighter equipment load compared to manpack
Multi-configuration	Soldier-worn, convert, and remote/ Elevated mounting deployment

Range improvement	Outperforms both the "Rubber Duck" and Blade antenna on higher power MP radios
Ergonomic Design	"Goose neck" design conforms to operators' body



Available in Standard Kits

RF-5800M-DS001
MB Dismounted Communication System

RF-5800M-DS101
MB Dismounted Communication System With Internal GPS

Both Include:

- RF-5800M-HH Handheld Radio
- 2 High Capacity Li-Ion Batteries
- RF-3162-AT001 MB Soldier Antenna
- Rubber Duck Antenna
- VHF Blade Antenna
- Accessory Bag

Specifications are subject to change without notice.