

Handheld UHF/MUOS SATCOM Antenna

The ARA-244 antenna series are the smallest, sturdiest, lightest, most powerful, and rugged handheld Ultra High Frequency (UHF) and Mobile User Objective System (MUOS) SATCOM antennas available to the warfighter today. ARA developed the best miniature tactile satellite (TACSAT) antenna to satisfy the needs and requirements of the Special Operations Force (SOF) communicators of the Army Special Forces.

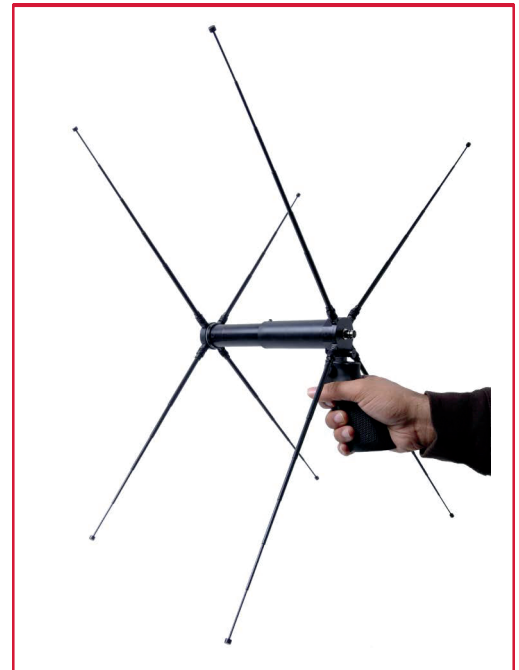
The ARA-244 incorporates a quick detachable connect system that allows operators to easily attach a selection of interchangeable accessories like folding grips, tripods, ground spikes and magnetic mounts. Also, the main body is built to IP68 specifications and has a unique design that eliminates binding, reduces internal wiring, and prevents accidental opening.

Primarily designed for use with the AN/PRC-155, AN/PRC-158, AN/PRC-117F, and AN/PRC-117G radios on the MUOS constellation, the ARA-244 can function with the PSC-5D, MBITR, JEM, MBITR2 and PRC-152A, or any radio capable of operating on the legacy UHF satellite constellation.

Antenna Type	Yagi
Application	Military Communications, Military SATCOM
Frequency Band	UHF (0.3 to 6 GHz)
Polarization	Right-hand circular

Features

- Directors/gain extenders provide additional +2 dBic of gain
- Deployment time: < 30 sec
- Weight: 0.95 lbs (6.5 lbs with hard case)
- Available in black (default), tan, or green finish
- Multiple grip and mounting configurations
- Compact size - fits in breast pocket
- Submersible
- Made in the USA



This datasheet has been released into the public domain in accordance with International Traffic in Arms Regulations (ITAR) 22 CFR 120.11(6).

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Specifications:

Gain	5 dBic (7 dBic with optional extenders)
Frequency	300 to 380 MHz
Polarization	Right-hand circular
Impedance	50 Ω
VSWR	<1.5:1
Operating Temperature	-40° to +71°C (MIL-STD-810G)
Storage Temperature	-47° to +85°C (MIL-STD-810G)
Immersion	2 hr, 2 meter
Power Handling	150 W CW
Antenna Connector	BNC Female
Cable	4' BNC Male to TNC Male

Configurations:

	Folding Pistol Grip	4' Coax Cable	Mag/Stake Mount	Tripod	GorillaPod	Nylon Pouch	Pelican Case	Reference Guide
ARA-244-Kit-A	X	X	X	X		X		X
ARA-244-Kit-B	X	X	X	X		X	X	X
ARA-244-Kit-C		X	X		X	X	X	X
ARA-244-Kit-D	X	X	X	X	X	X	X	X
ARA-244-Kit-P	X	X				X		X

Optional DR-244 directors/gain extenders provide an additional 2 dBic of gain and can be added to any ARA-243 Series antenna

Hardware color options: Black (1/default), tan (2), green (3)

Pouch color options: Black (A/default), tan (B), green (C), Army multi-cam (D), MARPAT green (E), MARPAT tan (F)

Example: ARA-244-KIT-A1C = ARA-243-KIT-A with black hardware and green pouch

ARA-244-KIT-C3C = ARA-243-KIT-C with green hardware and green pouch