BVA Split Radio Kit with 5G and VPN



(FRONT)



PART NUMBER
0022300



(REAR)

Compact, ruggedized, carry-on sized solution enabling warfighters to rapidly deploy stationary communications or networking-on-the-move for mobile platforms

The BVA Split Radio Kit with 5G and VPN system provides real-time air and ground situational awareness and on-the-go networking functions. Optimized for size, weight, and power (SWaP)-constrained setups including, man-deployable, vehicle, rotary/fixed wing and maritime, the A1 Cables BVA Split Radio Kit with 5G and VPN serves as a remote Link-16 communications solution. It supports line-of-sight connectivity for air, land, and sea applications, whether on the move or stationary.

When paired with the L3Harris BATS-D Vehicle Amplifier (BVA), the A1 Cables BVA Split Radio Kit with 5G and VPN delivers rapid and remote deployment of Link 16 networking capabilities. This compact, ruggedized, carry-on sized solution is perfect for highly mobile or remote operations. By connecting to an external host computer, operators can customize applications and displays to meet their specific situational awareness requirements.

With its easily accessible connectors and built-in power supply, this portable system can be set up and operated by a single person within minutes, enabling rapid deployment of communications anywhere. Say goodbye to the logistical challenges and expenses of traditional gateway infrastructure—bulky, heavy, and slow to deploy. Instead, embrace a mission-ready solution that offers faster setup, a smaller footprint, and requires fewer personnel. Whether it is stationary communications for dismounted warfighters or networking-on-the-move for mobile platforms, this system ensures seamless connectivity in dynamic environments.

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A1 CABLES
CUSTOM MANUFACTURING

Woman Owned Small Business

MADE IN USA

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BVA Split Radio Kit with 5G and VPN

A COMPREHENSIVE, INTEGRATED SYSTEM

The BVA Split Radio Kit with 5G and VPN provides a comprehensive, integrated system for producing a fixed or mobile line-of-sight (LOS) networking Link-16 node**.

The following items make up the A1 Cables BVA Split Radio Kit with 5G and VPN :

- Ruggedized transit case (OPTIONAL)
- Integrated BVA cooling, control and power
- Integrated GPS and ETR 1PPS (Internal)
- Integrated 4-port unmanaged switch
- Integrated IPSec VPN Capability
- Integrated 5G Modem (SIM/SERVICE PLAN NOT INCLUDED)
- Integrated 28VDC power output
- Integrated USB-C power outputs
- Ready access to BVA functions, including but not limited to:
  - Data
  - RF Interfaces
  - GPS
  - IPSec VPN
  - 5G Modem

FRONT PANEL CONTROLS AND INTERFACES

The BVA Split Radio Kit with 5G and VPN provides the following controls and interfaces on the front panel:

- Main System Power
- Operator Selectable “Blackout” Mode Switch
- System Temp Warning
- System Thermal Shutdown
- Ethernet Ports
- Internal GPS Data
- +28VDC Power Output
- USB-C Power Outputs

REAR PANEL INTERFACES

The BVA Split Radio Kit with 5G and VPN provides the following interfaces on the rear panel:

- AC and DC Power Inputs
- Link 16 Antenna A - TNC(F)
- Link 16 Antenna B – BNC(F) w/Termination Jumper
- Internal GPS Antenna – SMA(F)
- 5G Cellular Antennas
- WiFi Antennas

SPECIFICATIONS

TRANSIT CASE

Color	Black
Dimensions (W x H x L)	9.5” W x 8.75” H x 14.25” L *

WEIGHT

BVA Split Radio Kit with 5G and VPN

- BVA Split Radio Kit w/5G and VPN with BVA ~41 lbs. *
- BVA Split Radio Kit w/5G and VPN without BVA ~32 lbs. *

ELECTRICAL INPUT POWER

AC Input	85 to 265 VAC (50 to 400 Hz) Single Phase
DC Input	12 to 36 VDC
Power Consumption	< 75 W (typ) 500 W (peak)
Designed to meet MIL-STDs:	MIL-STD-461 MIL-STD-704 MIL-STD-810 MIL-STD-1275

ORDERING INFORMATION

- PN 0022300 BVA Split Radio Kit with 5G and VPN
- PN 0021422 - 3 Meter Mast
- PN 0021424 - 10 Meter Mast
- PN 0021336 - Antenna, 800-1250 MHz, +4dBi, TNC(M)
- PN 0021324 - Antenna, 960-1215 MHz, +7dBi, Type-N(F)
- PN 0021402-600 - 50ft LMR-400UF cable with Type-N(M)/TNC(M) connectors
- PN 0021426-600 - 50ft LMR-400UF cable with TNC(M) connectors
- PN 0020028-1200 - 100ft LMR-400UF Cable with Type-N(M) connectors
- PN 0021402-1200 - 100ft LMR-400UF Cable with Type-N(M)/TNC(M) connectors

❖ **Custom Kits available upon request.**

* Dimensions and weights are approximate
** Capabilities subject to change at manufacturer’s discretion

All our products are proudly assembled in the USA.

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