FREEDOMATLANTIC

PRODUCT CATALOG 2025

TC-01
TC-01

FREEDOMATLANTIC

FREEDOM ATLANTIC IS A SERVICE-DISABLED VETERAN-OWNED BUSINESS COMPRISED OF FORMER SPECIAL OPERATIONS PERSONNEL AND A PURPOSE-LED ENGINEERING TEAM ACCREDITED WITH DECADES OF EXPERIENCE IN THEIR RESPECTIVE FIELDS.

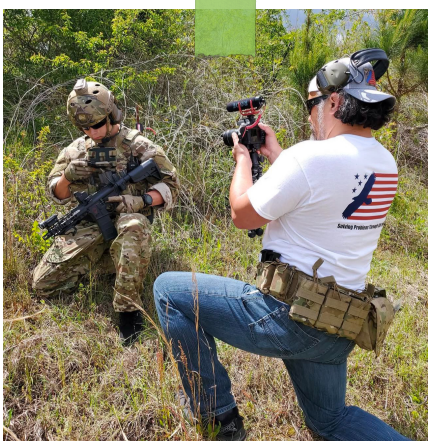
WE ARE FREEDOM ATLANTIC

OUR MISSION

At Freedom Atlantic, our mission is to deliver superior, innovative, and cost-effective Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, and Reconnaissance (C5ISR) technology solutions that empower the warfighter to maintain situational awareness and dominance at the tactical edge. Leveraging the unparalleled expertise of our former Army Special Operations personnel and highly experienced engineers, we provide critical insights, comprehensive training, and hands-on support to ensure the effective use of advanced tactical equipment in real-world operational environments. We are committed to fostering excellence, integrity, and innovation in all our endeavors, continuously striving to enhance the effectiveness and safety of our nation's defenders.

OUR VISION

At Freedom Atlantic, we leverage decades of Special Operations expertise and world-class engineers to deliver reliable and robust communications solutions. Our products ensure the end user maintains situational awareness and dominance at the tactical edge. We are dedicated to fostering innovation, operational excellence, and a relentless focus on enhancing the effectiveness and safety of our nation's defenders.



VALUE FOCUSED

RESPECT & TEAMWORK

We treat each other with kindness, empathy, and consideration. We actively listen, value diverse perspectives, and collaborate to achieve shared goals. Together, we build a supportive and cohesive environment where everyone thrives as a team.

INTEGRITY & ACCUNTABILITY

We uphold unwavering integrity in all our actions. We take responsibility for our decisions, admit mistakes, and learn from them. Our commitment to accountability ensures transparency, trust, and ethical behavior throughout our organization.

EXCELLENCE & INNOVATION

We encourage creative thinking, continuous improvement, and a willingness to explore new ideas. Our commitment to innovation drives us to develop unique solutions to complex challenges, take calculated risks, and devise new ways to serve our customers, team members, and mission.

VETERAN EMPOWERMENT

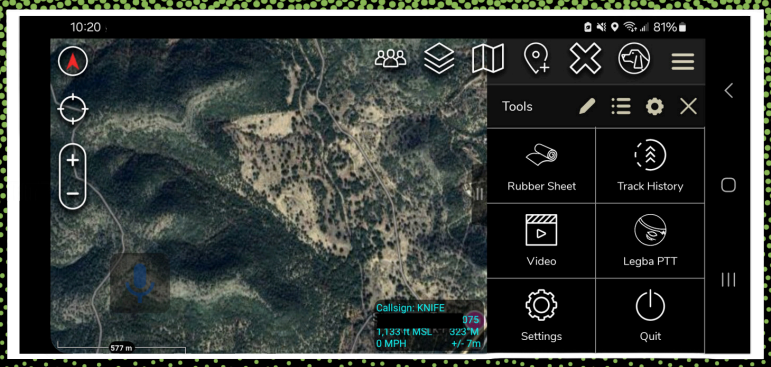
As a Service-Disabled Veteran-Owned Small Business, we are dedicated to empowering veterans and leveraging their unique skills and experiences. We recognize the value that veterans bring to our organization and are committed to hiring veterans, their families, and supporting veteran initiatives while recognizing their sacrifices to our great nation.

WHY FREEDOM ATLANTIC

- Engineering & Product Design
- System Integration
- Manufacturing
- Reselling
- Consulting
- Marketing

FREEDOMATLANTIC

Legba - Secure Radio over IP



DESCRIPTION

Legba by Freedom Atlantic is a transport agnostic serverless voice-over-IP application that provides military radio half-duplex communications.

Legba is fully interoperable with existing ROIP infrastructure/application including Motorola Wave, Cisco Interconnect, Trellisware, Persistent Systems, and Silvus talk groups.

KEY FEATURES

- Transport agnostic (IP multicast and unicast support): runs on all MANET waveforms, Public/Private LTE, SatCom networks.
- Out-of-the-box audio interoperability with Motorola Wave, Cisco Instaconnect, Trellisware, Silvus, and Persistent System IP audio talk groups.
- Military-grade encryption: AES 256-CBC encryption with TLS 1.3, x509 certificates.
- CODEC Support: Opus, G.711, GSM, and AMR
- Multiple transmit controls (PTT): External PTT, EUD-attached NFC buttons, volume button remap, screen tap-to-talk.
- Supports channel latching and multi-channel monitoring-only modes.
- Multiple mission configurations available simultaneously.
- Channel cross-banding at all echelon levels.
- SOS mode: Priority break-in, All-Channel transmit
- Customizable user profile: custom avatars, call signs, screen layout.
- Publish mission configuration (talk groups) via QR code or configuration file.
- Message history allows users to replay messages on the end-user device.
- Option to store audio messages with encoded GPS location to a secure server (wav files) for litigation hold.

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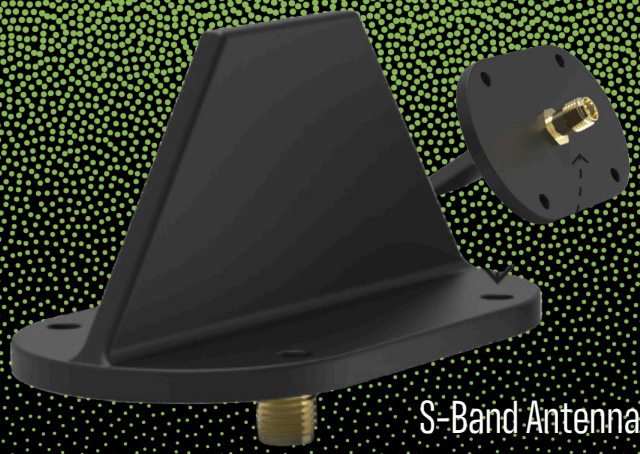
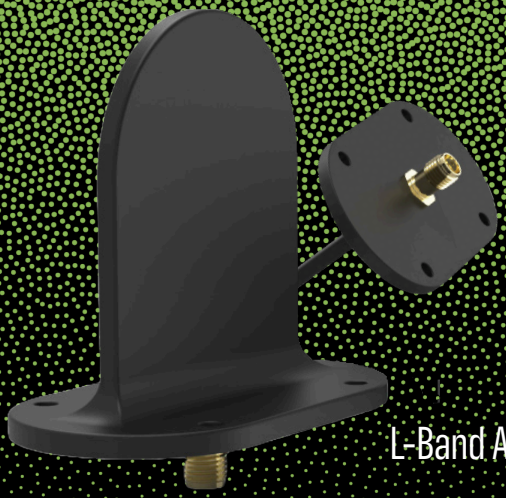
Apollo UAV Fin High Gain Omni Antenna



S-Band Antenna



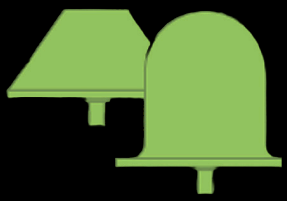
L-Band Antenna

DESCRIPTION

Freedom Atlantic's Apollo UAV FIN Omni Antennas are designed for use on unmanned aerial vehicles in particular carbon fiber platforms where antenna power can be lost due to the carbon absorption properties. Additional uses include covert or discreet platforms where Flexible Fabric antenna may not be suitable. The antenna is constructed from Glass Reinforced Plastic (GRP) encapsulated in plastic which is extremely rugged and lightweight.

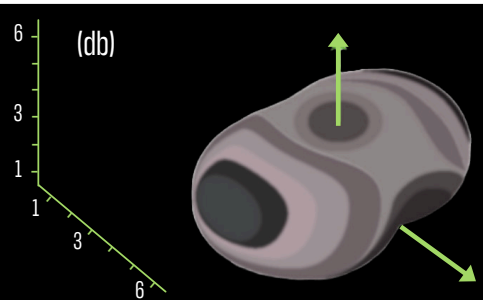
Part Number	S-Band: FA-APOLLO-SBAND-1 L-Band: FA-APOLLO-LBAND-1 C-Band: FA-APOLLO-CBAND-1
Export Classification	EAR99

CONFIGURATION OVERVIEW



- Air Ordinance
- UAV's
- Ground Vehicle
- Watercraft

TOTAL GAIN



SPECIFICATIONS

Frequency Range	S-Band: 2200-2507MHz L-Band: 1350-1390Mhz C-Band (L): 4400-5000Mhz C-Band (U): 5100-6000Mhz
Pattern	Omni-directional
Azimuth Beamwidth	360 Nominal
Gain	4dB (6dbi) peak gain
VSWR	S-Band: 1.5:1 L-Band: <1.5:1

EUD ADAPTERS

Polarization Form	Linear Vertical
Mechanical Form	GRP Plastic encapsulated
Color	Black
RF Connector	SMA: Female Straight
Mounting	4x 3.2mm circular holes
Size & Weight	60x70x40mm 40g
RF Power Handling	5w

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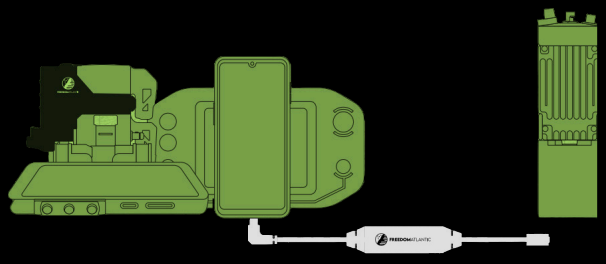
Ethernet Adapter Cable

DESCRIPTION

The Freedom Atlantic USB-C to Ethernet cable provides a rugged and secure connection from Ethernet devices to the USB-C port on an android EUD.

Part Number	S.PCR51.RJ45M.ETH1.18
Export Classification	EAR99

CONFIGURATION OVERVIEW



SPECIFICATIONS

CUSTOMIZABLE LENGTHS

KEY FEATURES

- USB-C to Ethernet Protocol Translation.
- Metal-reinforced protection.
- Customizable ends for your unique application.
- Utilize the RJ45 connection to connect to any Ethernet device with a RJ45 port.
- Overmold design provides dependable ruggedness in any environment to accomplish the mission.
- Utilize the RJ45 connection to connect to any Ethernet device with a RJ45 port.
- Made in the USA with a guarantee of no spyware!

FREEDOMATLANTIC

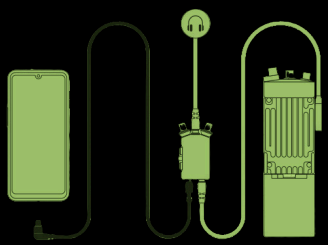
MPU5 PTT Cable

DESCRIPTION

Connect any USB Type-C EUD direct to the MPU5 PTT for full functionality.

Part Number	S.PCR56.P012BL.23
Export Classification	EAR99

CONFIGURATION OVERVIEW



KEY FEATURES

- Cable puts phone in peripheral mode up to 500mA from the PS PTT.
- New ODU Twist Lock connector to PTT.
- Flex Overmolded ends.

SPECIFICATIONS

CUSTOMIZABLE LENGTHS

EUD ADAPTERS

Juggernaut™ IMPCT
Samsung Galaxy S20

Juggernaut™ OPRTR
Samsung Galaxy S23
or Xcover Pro6

FREEDOMATLANTIC

EUD Power & Data PD Cable

DESCRIPTION

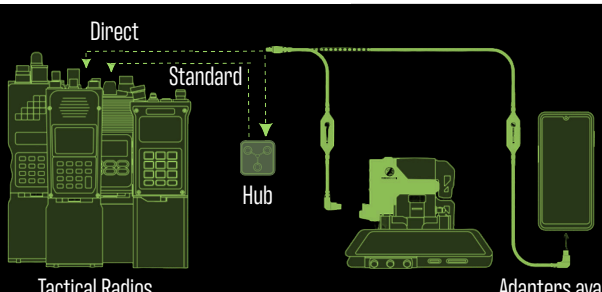
Modular and adaptable, Freedom Atlantic's universal PD cable is designed for direct use with a hub or radio. Featuring the industry's most robust strain relief overmold/conduit design and maximum EMI shielding, it's purpose-built to meet the needs of today's warfighter, ensuring a reliable connection without fail.

Part Number	S.PCR.PN6C.12.PD1500
Export Classification	ECCN 3A611.X

KEY FEATURES

- Optional configuration of type C interface between 100mA to 2A power output.
- Adjust charge rates real-time using PD protocol messaging.
- Real time power role swapping.
- Reconfigurable USB Type C interface: swap between host and peripheral modes.

CONFIGURATION OVERVIEW



EUD ADAPTERS

Juggernaut™ IMPCT
Samsung Galaxy S20

Juggernaut™ OPRTR
Samsung Galaxy S23 or Xcover Pro6

SPECIFICATIONS

CUSTOMIZABLE LENGTHS

FREEDOMATLANTIC

USB-C to PRC-163 ODU 2-Pin PD Cable

DESCRIPTION

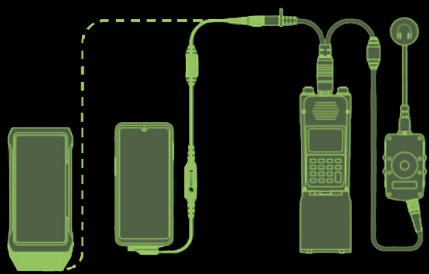
Designed to run in a slick configuration, this cable runs from any Type-C EUD directly to the top or the side of a PRC-163. Set to maximize runtime, this cable will efficiently and effectively maintain a data connection between a PRC-163 and TE EUD using proprietary power management electronics.

Part Number	S.PCR.P012A.30.PD-FER1
Export Classification	ECCN 3A611.X

KEY FEATURES

- Optional configuration of type C interface between 100mA to 2A power output.
- Adjust charge rates real-time using PD protocol messaging.
- Real time power role swapping.
- Reconfigurable USB Type C interface: swap between host and peripheral modes.

CONFIGURATION OVERVIEW



SPECIFICATIONS

CUSTOMIZABLE LENGTHS

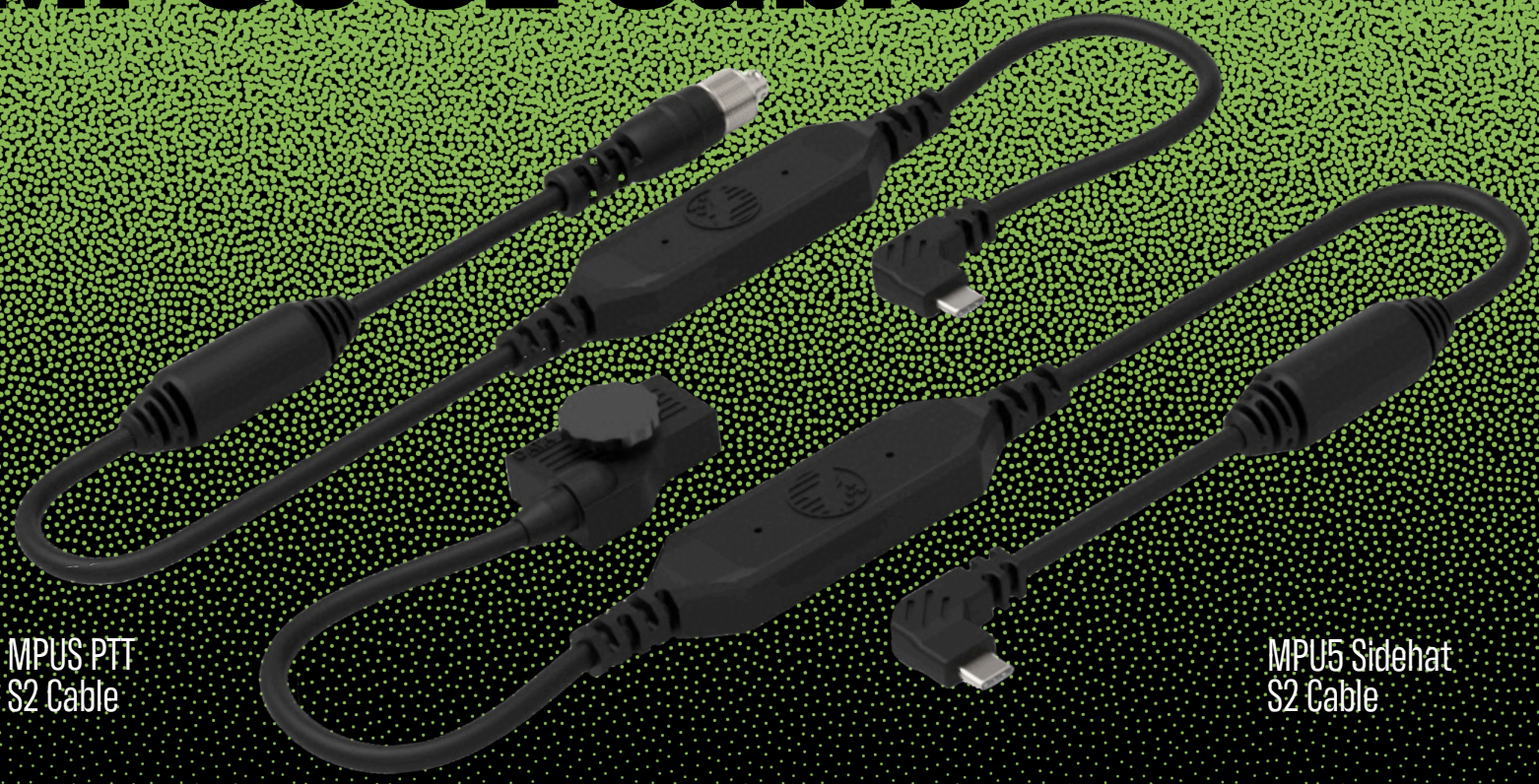
EUD ADAPTERS

Juggernaut™ IMPCT
Samsung Galaxy S20

Juggernaut™ OPRTR
Samsung Galaxy S23 or Xcover Pro6

FREEDOMATLANTIC

MPU5 S2 Cable



DESCRIPTION

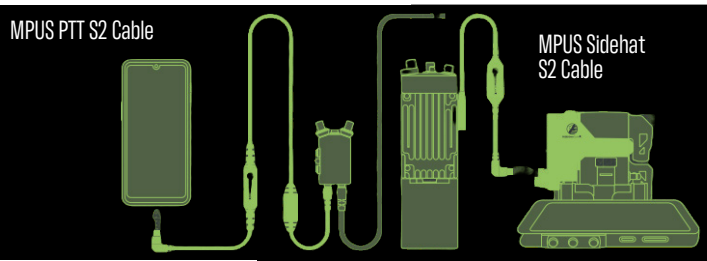
These two variants of cables allow for users to seamlessly integrate the MPU5 with existing EUDs in order to get full COT data on the EUD. The MPU5 PTT S2 cable connects to the existing MPU5 PTT port, while the MPU5 Sidehat S2 cable will connect directly to the 22-pin side adapter on the MPU5. The cable allows both the EUD and the MPU5 to act as a HOST device with full COT data control.

Part Number	MPU5 S2 Freedom Atlantic PTT / Adapter Cable S.P012BL.PCR.ETH2.30 MPU5 Sidehat S2 Cable S.PERS22-CBL-USB.PCR.ETH2.30
Export Classification	ECCN 3A611.X

KEY FEATURES

- Sends full COT USB data to the EUD, as opposed to other cables that send partial data.
- Uses existing system to provide compatibility with Nett Warrior architecture, allowing both the radio and the EUD to be a host and still communicate.
- Use side port or the PTT port depending on your system needs.

CONFIGURATION OVERVIEW



SPECIFICATIONS

CUSTOMIZABLE LENGTHS

FREEDOMATLANTIC

MPU5 ECHO - Enhanced Communications (for) Hands-Free Operations

DESCRIPTION

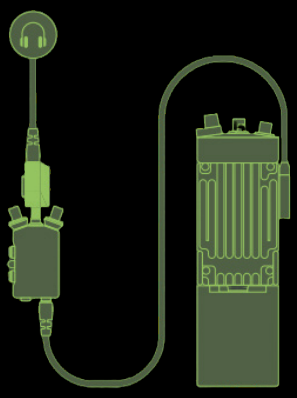
Wirelessly connect your MPU5 to an over-the glove PTT in order to provide maximum flexibility without the bulk. PTT options include standard Bluetooth for training as well as an Inter-Soldier Wireless (ISW) version for secure operations.

Part Number	FA-MPU5-ECHO-BT
Export Classification	EAR99

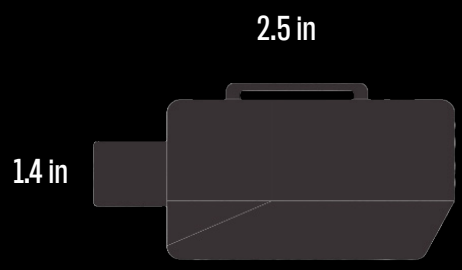
KEY FEATURES

- Single channel wireless remote PTT.
- Low profile PTT button allows users to key their radio while maintaining positive control on parachute toggles.
- Designed to install over-the-top of existing operator gloves.
- 2 Versions: Bluetooth low energy and Inter-Soldier Wireless (Inquire about availability).

CONFIGURATION OVERVIEW



SPECIFICATIONS



FREEDOMATLANTIC

STUB SBNVG Battery Adapter

DESCRIPTION

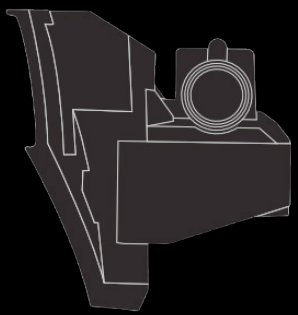
The STUB SBNVG Battery Adapter provides an interface for the new universal STUB battery platform into both the SBNVG's as well as an additional USB port that can be used for powering alternative USB devices or for charging the entire system. This is compatible with PVS-31s as well—feel free to inquire about other variants.

Part Number	FA-STUB-KIT-1
Export Classification	EAR99

KEY FEATURES

- The Twist Lock mechanism flips out for easy battery attachment or detachment and secures back down to lock firmly in place in one-handed operation.
- Additional USB port for sending or receiving power.
- Fits recommended STUB BB-2511 and BB-2512 cells.
- On/off button to prevent slow discharge of STUB cell when not in use.
- Universal Mounting kit allows for Velcro and/or rail attachment for universal fitment on Standard Issued Helmets (Gentex High Cut/Ceradyne for USMC plus others).

SPECIFICATIONS

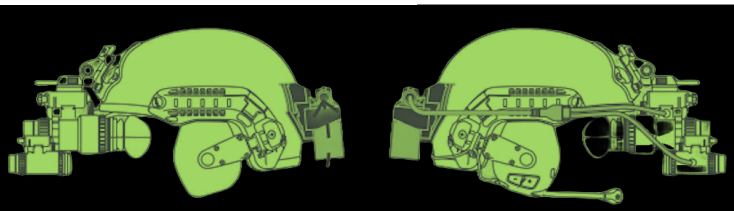


2.25 in x 2.0 in

KIT CONTENTS

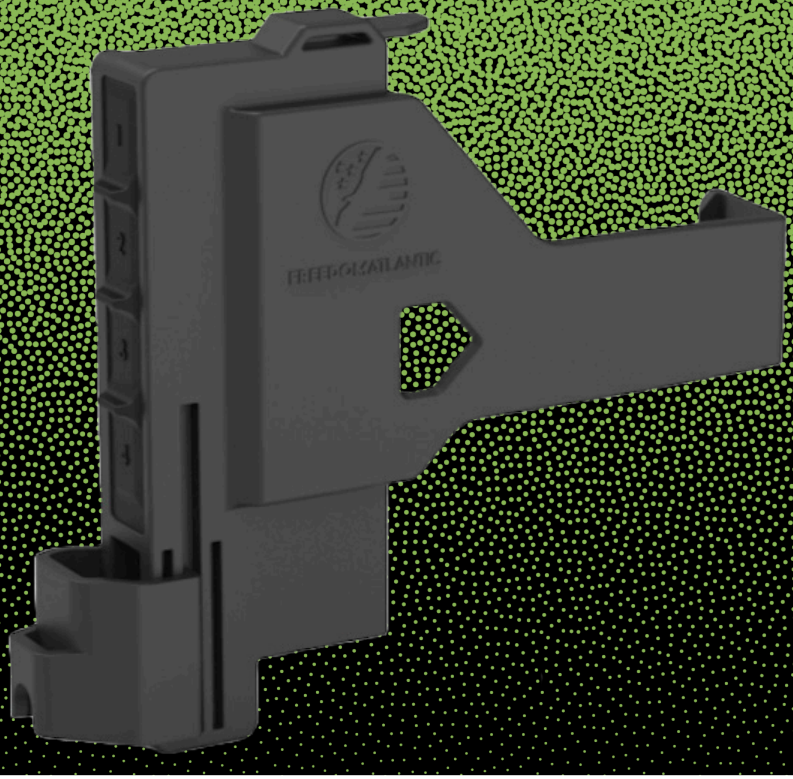
- USB-C PD wall charger/cable
- Universal carrying pouch
- Universal Mounting Kit (includes Velcro & 550 cord
- *Battery NOT included

CONFIGURATION OVERVIEW



FREEDOMATLANTIC

ENVG-B Controller & Hub

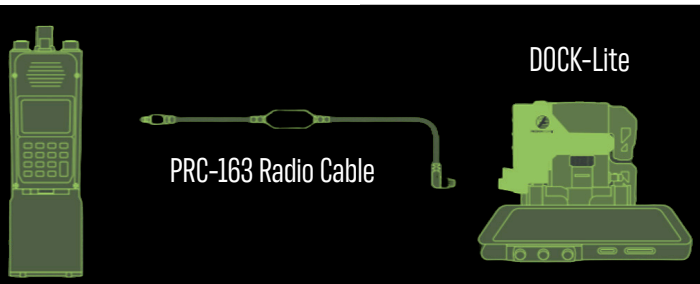


DESCRIPTION

The Freedom Atlantic 4-Button USB controller is designed to control the ENVG-B platform while attached to the Nett Warrior DOCK-Lite. The controller has a USB 2.0 peripheral interface allowing additional accessories to be connected to the DOCK-Lite system. The peripheral interface sources 5V up to 3A of power.

Part Number	(Standard Controller Only) FA-4BTN-V1
Export Classification	ECCN 3A611.X

CONFIGURATION OVERVIEW



CONFIGURATION OVERVIEW

KEY FEATURES

- 4 USB momentary press buttons send commands to DOCK-L for ENVG-B control.
- USB 2.0 peripheral port for downstream USB devices.
- Sources power up to 5V 3A.
- USB cable retainer supports both 90° and 0° cable connectors.
- USB 2.0 peripheral port cable retainers maintains connector head pressure ensuring water proofed seal for connected devices.
- Press buttons can be used for alternative commands on the EUD

WEDGEX

FREEDOMATLANTIC X OTTO

SIDELINK RADIO ADAPTER

SIDELINK WEDGE ADAPTER

WEDGEX

A COLLABORATION BETWEEN FREEDOM ATLANTIC & OTTO ENGINEERING, THE WEDGEX PROVIDES EFFICIENT, NEXT-GEN POWER/DATA DISTRIBUTION AND MANAGEMENT BY STREAMLINING LEGACY RADIO CONFIGURATIONS. EXISTING KIT SOLUTIONS ARE LIMITED. DUAL RADIO CONFIGURATIONS RELY ON HUB-AND-SPOKE TOPOLOGY REQUIRING COSTLY HUBS AND CABLES TO DISTRIBUTE POWER AND DATA. WITH ITS DUAL INPUT/OUTPUT PORTS, THE WEDGEX CAN CONNECT DIRECTLY TO EXTERNAL BATTERY POWER, DAISY CHAIN TO OTHER RADIOS, CONNECT TO POWER/DATA HUBS, OR DIRECTLY TO EUDS. THE ALL-NEW WEDGEX ELIMINATES DEVICES AND CABLES, WHICH MEANS LESS COST, LESS WEIGHT, AND LESS POWER CONSUMPTION.

WEAR OUR MISSION

At Freedom Atlantic, our merchandise is designed with the warfighter in mind, reflecting the grit, resilience, and camaraderie that define their mission. Every piece we create fosters a sense of community while directly supporting our nation's veterans, ensuring they receive the recognition and resources they deserve. Wear our gear with pride and join us in honoring those who serve.

EL TIGRE

MOON CRUISER

BIGFOOT ASTRO

TRIBE

WARRIOR

BADBOYZ

SAVAGE

REVERSE PROPAGANDA

SUNSET SURFER

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