

The background is a textured, greyish surface with a collage of faded, semi-transparent images. These include a US flag in the upper right, a soldier in full combat gear (helmet, goggles, vest) in the center, and various pieces of military equipment like a rifle and a helmet in the lower left. The overall aesthetic is gritty and military-themed.

FREEDOMATLANTIC

PRODUCT CATALOG 2025





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.

MADE IN USA



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 & ACCOUNTABILITY

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.

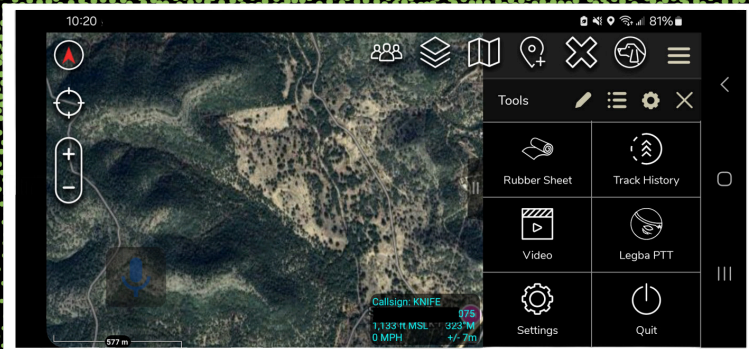
WHY FREEDOM ATLANTIC

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



FREEDOMATLANTIC

Legba - Secure Radio Over IP



DESCRIPTION

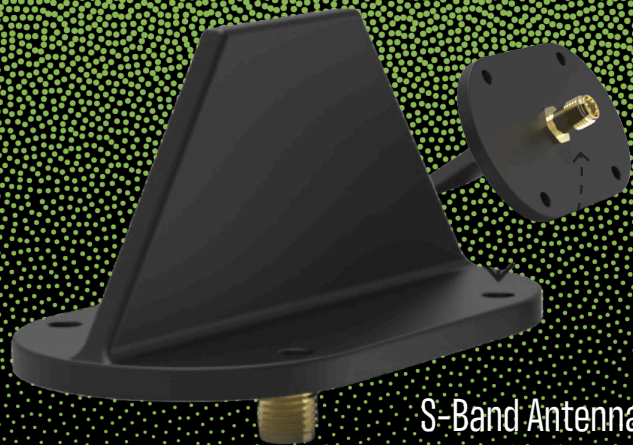
Legba by Freedom Atlantic is a transport agnostic serverless voice-over-IP application that provides military radio half-duplex communications.

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.

FREEDOMATLANTIC

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

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

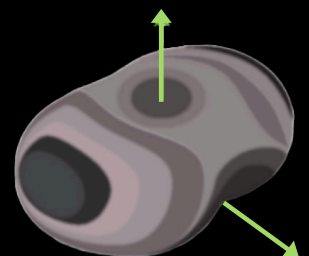
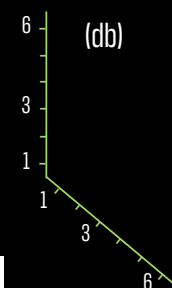
Gain

4dB (6dbi) peak gain

VSWR

S-Band: 1.5:1 L-Band: <1.5:1

TOTAL GAIN



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

FREEDOMATLANTIC x Hertzian Labs

Broadband L+S Omnidirectional Antenna



DESCRIPTION

The HZD1 is a broadband antenna with L/S 900ISM Band coverage. Optimized for Drone and other Unmanned Communication Systems. The antenna may be mounted with the standard mounting plate or with a custom mounting plate.

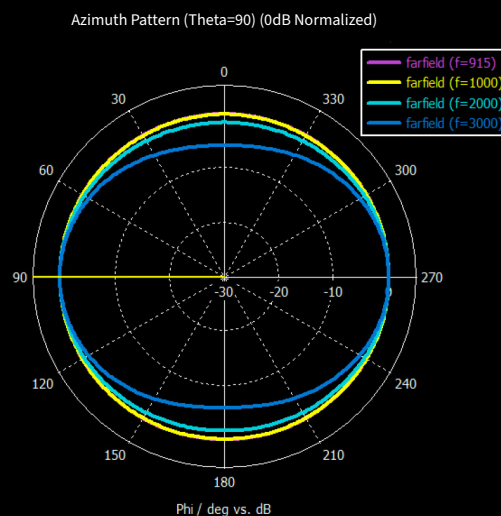
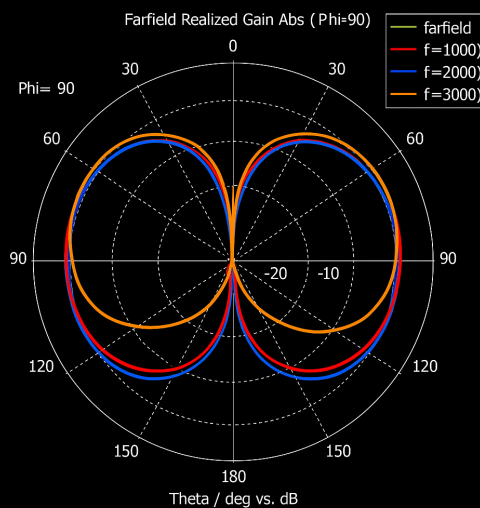
- Stable Broadband Performance, with or without ground plane
- SMA Female Standard: Other Connectors and Cable Feed options available
- Custom Mounting Plate available; Accommodates any mounting surface

Model Number

HZD1LSBB0

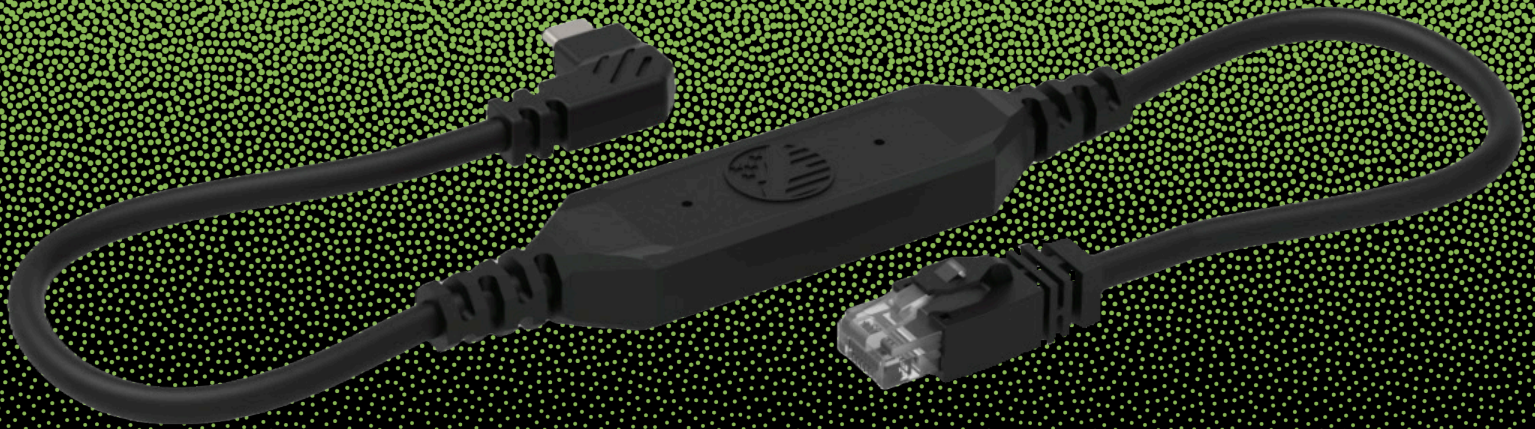
Electrical & Mechanical Specifications

Frequency Band	900ISM: 902-928MHz L Band: 1-2GHz S Band: 2-3.5GHz
Gain	900ISM: 1.9dBi L Band: 3.5dBi S Band: 4.3dBi
Pattern	Omnidirectional
Return Loss	-15dB (1.5:1 VSWR)
Polarization	Vertical Polarized
Connector	SMA Female, other options available
Materials	UltraLight Ver A: Epoxy Coating Rugged Ver B: Overmolded Thermoplastic
Mounting	4x Mounting Holes, VHB Tape
Temp Rating	(-40°F to + 149°F) Operating and Storage
Water Ingress	Tested to IP68 standard
Weight	1.6oz(45.4g)
Dimensions	2.8"(71mm)L x 1.6"(40.6mm)W x 2.4"(61mm)H



FREEDOMATLANTIC

Ethernet Adapter Cable



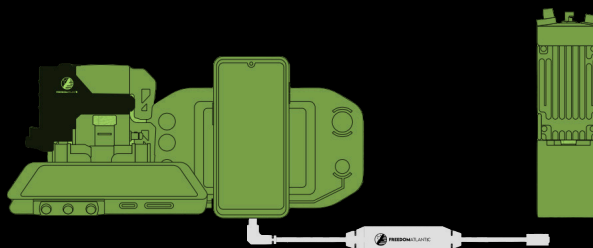
DESCRIPTION

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
Export Classification

S.PCR51.RJ45M.ETH1.18
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



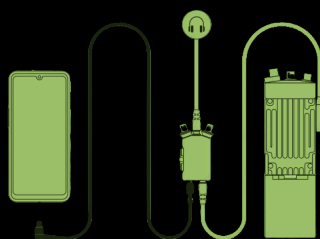
DESCRIPTION

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

Part Number
Export Classification

S.PCR56.P012BL.23
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

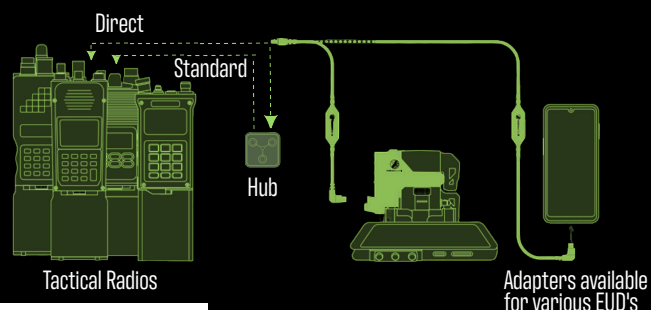
EUD Power & Data PD Cable



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.

CONFIGURATION OVERVIEW



SPECIFICATIONS



CUSTOMIZABLE LENGTHS

Part Number
Export Classification

S.PCR.PN6C.12.PD1500
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.

EUD ADAPTERS

Juggernaut™ IMPCT
Samsung Galaxy S20

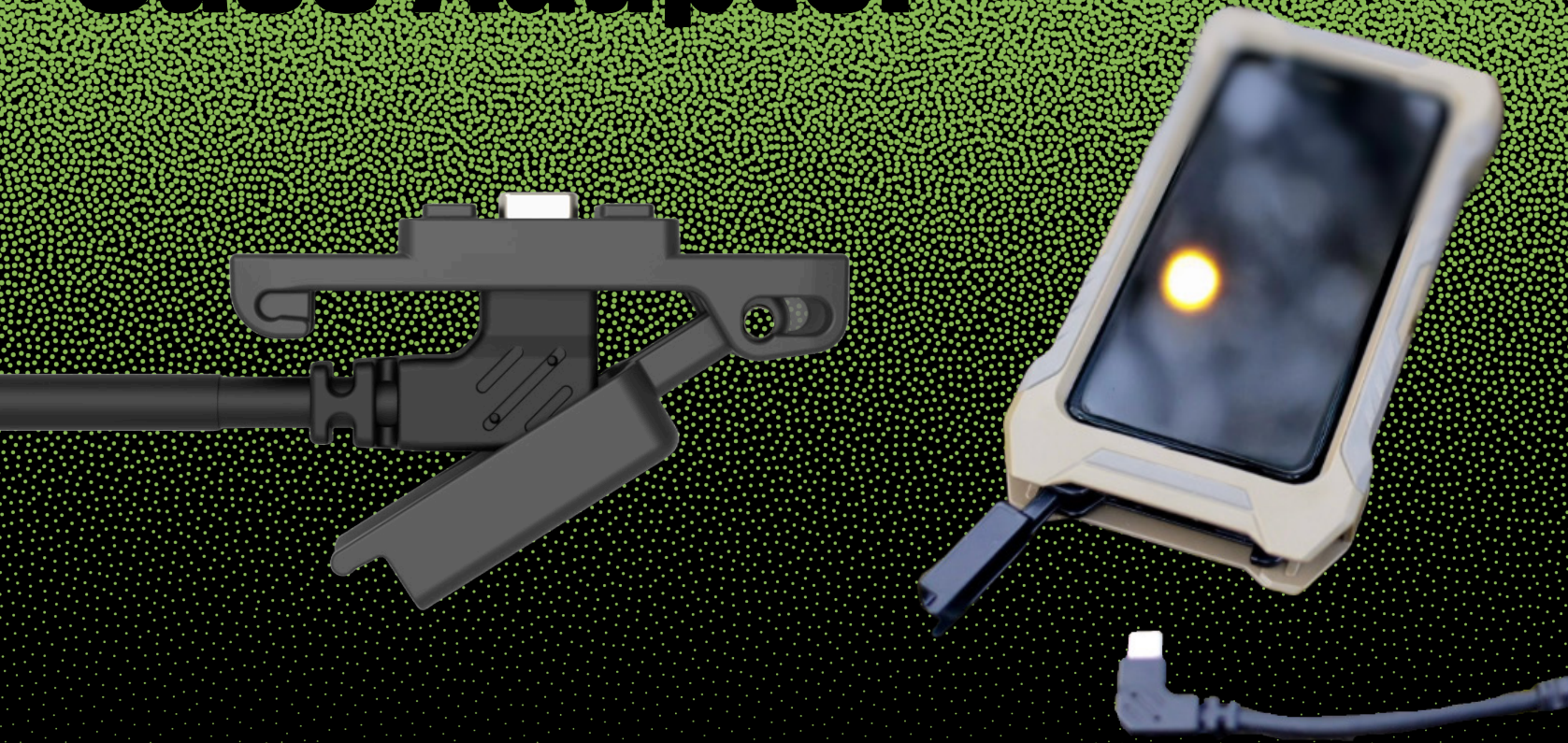


Juggernaut™ OPRTR
Samsung Galaxy S23
or Xcover Pro6



FREEDOMATLANTIC

Juggernaut™ OPRTR Case Adapter



DESCRIPTION

The Freedom Atlantic Juggernaut™ OPRTR Adapter is engineered for unwavering performance in the most demanding environments. Built to withstand the harshest conditions, this rugged adapter ensures your connections stay secure, even when the pressure is on. Whether you're in the field or on the move, trust the Juggernaut™ OPRTR Adapter to lock in your cables and keep your mission-critical gear running smoothly.

Part Number
Export Classification

FA.JUGG.OPRTR-BLK
EAR99

KEY FEATURES

- **Universal Cable Compatibility:** Locks in any Freedom Atlantic 90-degree right angle Type C cable, including the USB-C to PRC-163 ODU 12-Pin PD Cable.
- **Rugged Durability:** Constructed with tough materials to withstand harsh environments and prevent accidental cable detachment.
- **IP68 Water Resistance:** Gasket-sealed connection offers complete protection against dust and water ingress.
- **Quick-Release Latch:** Secure and efficient removal mechanism for rapid transitions in high-pressure situations.

COMPATIBLE CASES

Compatible with all OPRTR cases including Samsung Galaxy S23 or Xcover Pro6



FREEDOMATLANTIC

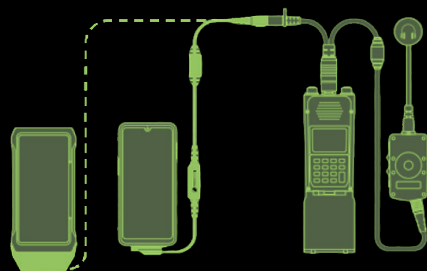
USB-C to PRC-163 ODU 12-Pin PD Cable



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.

CONFIGURATION OVERVIEW



SPECIFICATIONS



CUSTOMIZABLE LENGTHS

Part Number
Export Classification

S.PCR.P012A.30.PD-FER1
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.

EUD ADAPTERS

Juggernaut™ IMPCT
Samsung Galaxy S20

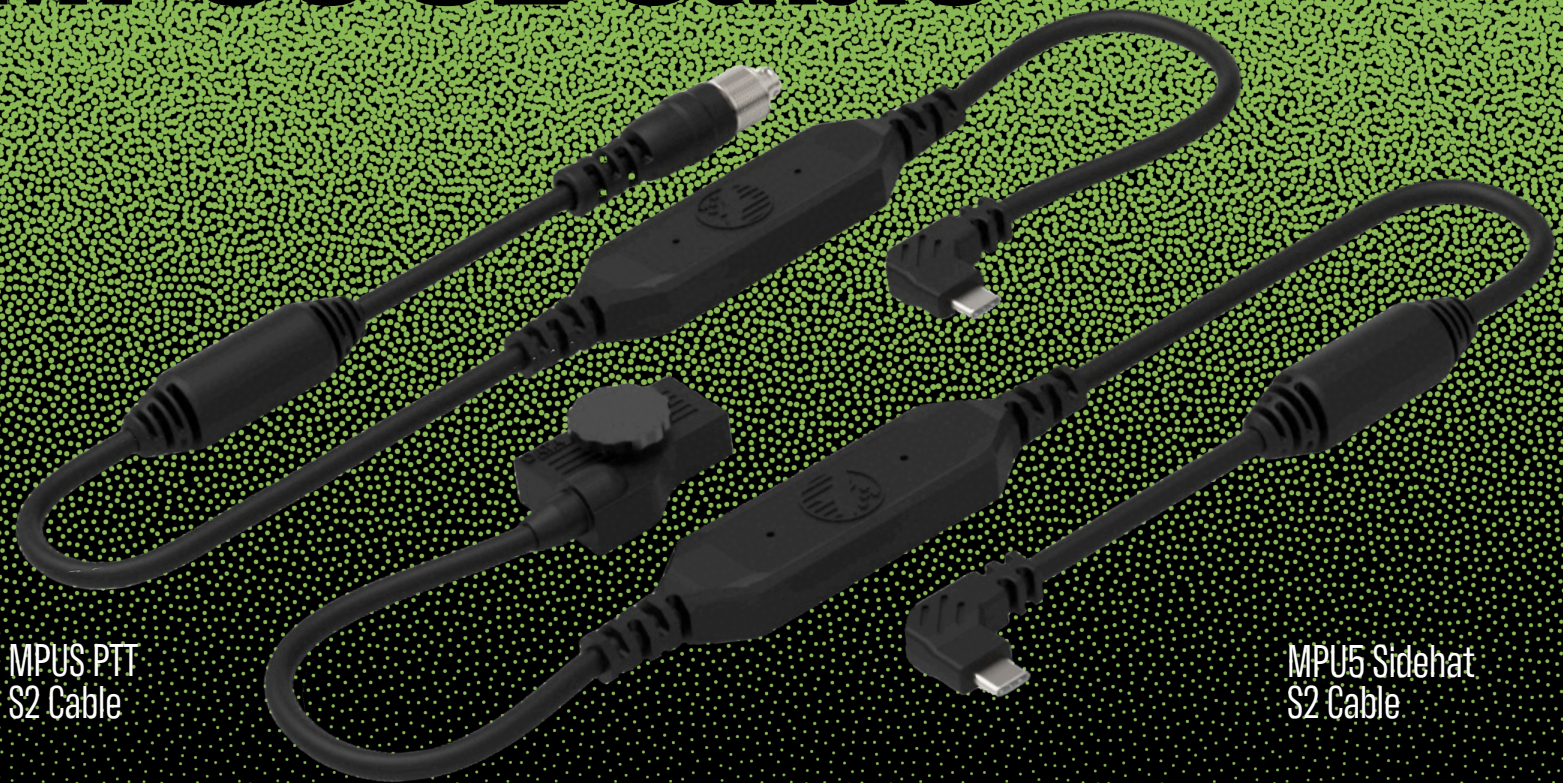


Juggernaut™ OPRTR
Samsung Galaxy S23
or Xcover Pro6



FREEDOMATLANTIC

MPU5 S2 Cable



MPU5 PTT
S2 Cable

MPU5 Sidehat
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

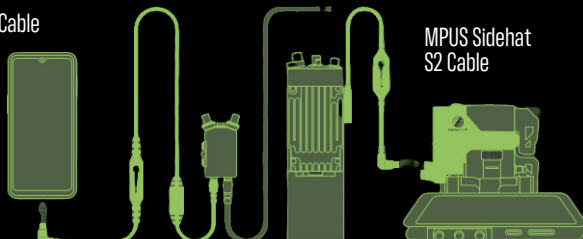
ECCN 3A611.X

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

MPU5 PTT S2 Cable



MPU5 Sidehat
S2 Cable

SPECIFICATIONS



CUSTOMIZABLE LENGTHS



FREEDOM ATLANTIC

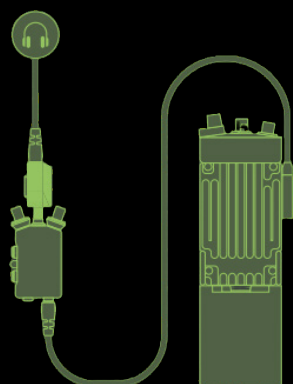
MPU5 ECHO - Enhanced Communications (for) Hands-Free Operations



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.

CONFIGURATION OVERVIEW



SPECIFICATIONS

2.5 in

1.4 in

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).

FREEDOM ATLANTIC

STUB SBNVG Battery Adapter



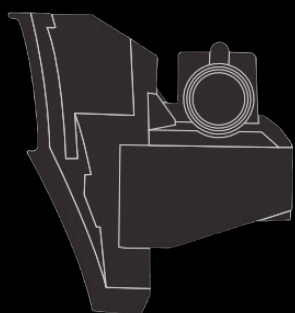
DESCRIPTION

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 product is compatible with most NVG variants. For specific inquiries, feel free to contact us.

Part Number
Export Classification

FA-STUB-KIT-1
EAR99

SPECIFICATIONS



2.25 in x 2.0 in

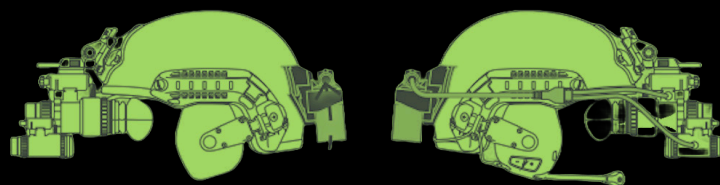
KIT CONTENTS

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

KEY FEATURES

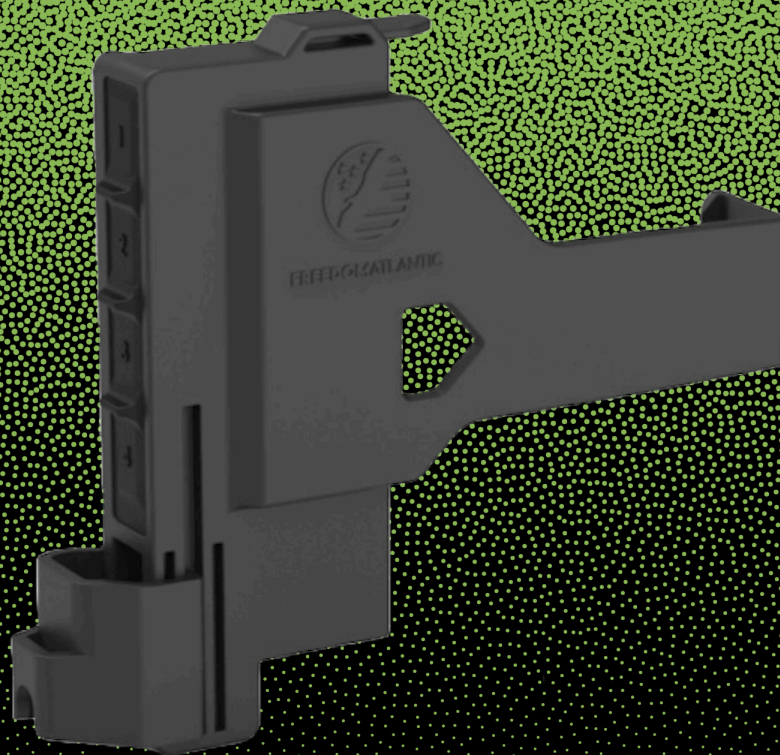
- The Twist Lock mechanism flips out for easy battery attachment or detachment and secures back down to lock firmly in place in one-handed operation.
- Additional USB port for sending or receiving power.
- Fits recommended STUB BB-2511 and BB-2512 cells.
- On/off button to prevent slow discharge of STUB 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).

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



DOCK-Lite



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



OTTO



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.

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