

Rapidly-Deployable Link 16 + Tactical VHF/UHF for On-the-Move and At-the-Pause Air, Land, and Sea Applications



No matter where your mission takes you, the Viasat Move Out/Jump Off (MOJO Mini) kit arms you with real-time air/ground situational awareness and network functions on the go. Designed for size, weight, and power (SWaP) constrained applications including small vehicles and boats, the Viasat MOJO Mini is a complete line-of-sight and beyond-line-of-sight communications system for on-the-move and at-the-pause air, land, and sea applications.

Equipped with the Viasat/Harris Small Tactical Terminal (STT), the Viasat MOJO Mini packs rapidly-deployable Link 16, TADIL-J, and VHF/UHF (SINCGARS, SRW*, ANW2C*, satcom, IW, and DAMA) networking in a very compact and ruggedized package that is carry-on sized.

Ideal for highly mobile or remote locations, the Viasat MOJO Mini has a built-in Layer 2+ switch that provides added flexibility and extends networking capabilities in the field. With the use of an external host computer, operators can select their own applications and external displays to best suit their situational awareness needs.

Thanks to the Viasat MOJO Mini kit's panel of easy-to-access connectors and integrated power supply, one person can set up and operate this portable system within minutes for rapidly-deployable communications anywhere. You no longer have to contend with the logistics and cost of transporting, installing, and maintaining traditional gateway infrastructure that is large, heavy, and slow to deploy. With this highly portable kit, communications are set up much faster in a much smaller footprint, allowing you to remain mission ready anywhere, anytime, and with less personnel. Whether it's at-the-pause communications for dismounted warfighters or networking-on-the-move for small vehicles and boats, Viasat keeps you connected.

MOJO MINI KIT AT-A-GLANCE

- » Simultaneous two-channel, line-of-sight, and/or satellite communications
- » Real-time network convergence with Link 16, TADIL-J, and VHF/UHF (SINCGARS, SRW*, ANW2C*, satcom, IW, and DAMA)
- » Dramatically shortens kill chain timelines and reduces the likelihood of fratricide or collateral damage incidents
- » Onboard fully managed Layer 2+ switch for network flexibility (supports Layer 3 IPv4/IPv6 static routing)
- » One-person setup in minutes
- » Attaches easily to small vehicles and boats
- » Ruggedized for harsh environments and mobile applications
- » Air and ground situational awareness, voice, and data capable
- » Easy-to-access connectors and integrated power supply for rapid deployment
- » Designed for closed-lid operation with filtered intake and exhaust

A COMPLETE, INTEGRATED SYSTEM

The Viasat MOJO Mini kit provides an integrated system for creating a mobile communication gateway function.

The following items make up the Viasat MOJO Mini kit:

- » Ruggedized carbon fiber carry-on sized suitcase
- » Integrated AC/DC and DC/DC power supply
- » Integrated 20 W VHF/UHF amplifier
- » Integrated STT and system cooling fan
- » Access to STT host, data, voice, crypto, and RF interfaces
- » LED Indicators for main power on/off, STT CH1 power, LTTI, STT CH2 Power, and STT CH2 VHF/UHF amp power

FRONT PANEL CONTROLS AND INTERFACES

The kit's front panel contains separate LED status indicators for main power, STT channel 1 and 2 power, LTTI, and UHF amp power. In addition, the front panel houses all the necessary interfaces to support STT operation.

These interfaces are provided by the following connectors/switches:

- » Main power button and indicator LED
- » STT CH1 and CH2 power on buttons and indicator LEDs
- » STT Link 16 Long Term Transmit Inhibit (LTTI) button and indicator LED
- » Independent STT CH1 and CH2 zeroize buttons
- » STT VHF/UHF amp power on button and indicator LED
- » Black-out on/off button
- » DC main power connector (D38999)
- » AC main power connector (D38999)
- » STT CH1 and CH2 KDU connectors (Fischer-type that accommodates standard external KDU cable)
- » STT CH1 and CH2 audio/fill connectors (standard GC-type that accommodates standard crypto fill devices and H-250 handsets)
- » STT CH1 and CH2 Ethernet and console connector (RJ-45)
- » STT CH1 and CH2 USB connector (USB Type B)
- » STT L16 RF connector (TNC)
- » STT VHF/UHF connector (TNC)
- » STT 1PPS input connector (BNC)
- » STT DTE waveform connector (DB-25F)

SPECIFICATIONS

TRANSIT CASE

- » Small internal pouch to store accessories
- » Handle on side
- » Retractable handle to roll case like standard airline carry-on luggage

Color Carbon fiber/black

Dimensions (W x H x L)

» **Configuration** 14 x 9 x 22 in.

WEIGHT (APPROXIMATE)

Fully configured with STT 56 lb

ELECTRICAL INPUT POWER

AC Input 85 to 264 VAC,
47 to 63 Hz

DC Input +11 to +30 VDC

Conservative nominal operational rating; assumes all LRUs operating at maximum respective duty cycles 375 W



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