

L3HARRIS COMMAND AND CONTROL MOBILE TOC

The L3Harris Command and Control Mobile TOC requires minimal setup, connections or configuration to establish a fully functional Tactical Operations Center. Designed for use with the L3Harris AN/PRC-158 Multi-channel Manpack, this C2 solution allows users to quickly establish dual-channel Line-Of-Sight (LOS), SATCOM and wideband network connectivity.

Ideal for nomadic missions, this wheeled, all-in-one system includes wideband/multiband and power amplifiers, AC and DC-DC power, SATCOM, LOS, wideband and narrowband ports, an Ethernet® switch and a dual audio channel loud speaker. All mounting and cabling are pre-configured allowing users to connect only power and antennas for immediate operation.

Equipped with a PC and monitor, the L3Harris Command and Control Mobile TOC provides fast access to C2 programs with flexible support for any Windows®-based software. The ruggedized PC features touchscreen technology and a sunlight-readable display.



RAPIDLY DEPLOYED, USER-FRIENDLY NETWORK SOLUTION

KEY BENEFITS

- > Preconfigured for near plug-and-play deployment with the L3Harris AN/PRC-158
- > Dual-channel LOS, wideband, legacy and MUOS SATCOM connectivity
- > Touchscreen PC supports all Windows-based C2 programs
- > Can be integrated with the L3Harris RF-7800I Tactical Networking Intercom System

GENERAL	
RT Nomenclature	12206-0100-01 (TIB) RT 2034A P C U (SAASM GPS) RT 2034 P C U (commercial GPS)
Frequency Range	30 MHz-2.5 GHz Narrowband: VHF: 30-225 MHz, UHF: 225-520 MHz, 762-874 MHz SATCOM: RX: 243-270 MHz, TX: 292-318 MHz Wideband: UHF: 225-520 MHz L-BAND: 762 MHz-2.5 GHz
Channel Spacing/Bandwidth	Narrowband: 8.33 kHz, 12.5 kHz, 25 kHz Wideband: 1.2 MHz, 5 MHz FM Deviation: 5 kHz, 6.5 kHz, 8 kHz
Net Presets	99 system presets per channel
GPS	SAASM receiver (commercial GPS optional)
Management Tool	Communications Planning Application (CPA); JENM compatible
Frequency Tuning	10 Hz from 30-520 MHz 100 Hz from 762 MHz-2.5 GHz
Software Environment	SCA v2.2.2

TRANSMITTER	
Power Output	CH1: VHF Low (30-90 MHz): 50 watts PEP VHF High/UHF (90-450 MHz): 50 watts PEP UHF (450-512 MHz): Greater than 20 watt PEP Wideband (225-450 MHz): 50 watts PEP and Average Wideband (450 MHz-2 GHz): 20 watts PEP CH2: Narrowband: 10 W Wideband: 20 W peak/10 W average (max)
Harmonic Suppression	> 53 dBc
Spurious Suppression	> 53 dBc

RECEIVER	
Sensitivity	LOS FM 30-512 MHz: -116 dBm LOS AM 90-512: -103.5 dBm with 30% modulation
Adjacent Channel Rejection	> -40 dB
Squelch	Digital (CDCSS or CTCSS), tone, noise or none

POWER	
Power Input	24-32 VDC or 93-265 VAC

SECURITY	
Encryption	Sierra™ II based Type 1 (Suite A/B) NSA Certified TOP SECRET and below
Encryption Modes	KY-57 (VINSON), KYV-5 (ANDVT), KG-84C, FASCINATOR, HAIPE (PPK, FFV), AES (Type 1 & 3)

MODES AND WAVEFORMS	
Narrowband Waveforms	AM/FM, VHF/UHF LOS, SINCGARS, HAVEQUICK I/II, HPW (SATURN, APCO P25 capable)
Wideband Waveforms	SRW, ANW2®C (WNW capable)
UHF SATCOM Waveforms	MIL-STD-188-181B dedicated channels MIL-STD-188-182A, 183A DAMA MIL-STD-188-181C, 183B IW Phase 1 HPW MUOS
Voice and Data Modes	Simplex or half duplex MIL-STD-188-113 CVSD STANAG 4198 LPC-10e STANAG 4591 MELPe Full duplex capable

PHYSICAL	
Dimensions (H x W x D)	12.5 x 25 x 23 in (31.75 x 63.5 x 58.4 cm)
Weight	93 lbs w/o R/T
Color/Finish	Tan

INTERFACES	
Data	Ethernet, RS-232, EIA-422, PPP, USB
Audio	VIC-1, VIC-3, LS-671 compatible
Video	HDMI Output
Antenna Port	CH1: VHF Low: 50 Ohm BNC VHF High/UHF: 50 Ohm BNC UHF SATCOM: 50 Ohm BNC Wideband: 50 Ohm N-Type CH2: Wideband: 50 Ohm N-Type
Function Knob	OFF, ON, LD, Z
Remote Control	RF-7800I Compatible, USB, RS-232, Remote Keypad Display Unit (RKDU), Software Keypad Display Unit

STANDARD KIT INCLUDES	
12206-0300-01	Multi-channel Manpack Case
12206-0500-01	Accessory Kit

OPTIONAL ACCESSORIES	
RF-3193TB-ATXXX	TACT MAST ANT SET, 30-88,108-512, 550-2000 MHZ
RF-3082-AT001	Antenna, Foldable, UHF SATCOM, MUOS ATP
RF-340M-DK001	Kit, Dismount Antennas

Please visit L3Harris.com for more information.

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