

# AFTRS-R

## Air Force Tactical Receive System - Ruggedized



### AIR FORCE ENTERPRISE SOLUTION FOR AIRBORNE IBS.

The Air Force Tactical Receive System-Ruggedized (AFTRS-R) provides the most comprehensive near real time situational awareness and intelligence picture worldwide. It is a beyond line-of-sight (BLOS) broadcast receiver for millions of threat, survivor, and Blue Force Tracking reports daily without transmitting or the need for data forwarders.

The AFTRS-R is the most complete Integrated Broadcast Service (IBS) solution. It provides red side processing for filtering, correlation, and translation, therefore freeing up platform processors for other mission functions. It is a multi-channel, software defined terminal that delivers IBS via the Common Interactive Broadcast (CIB) waveform today and is reprogrammable for future waveforms. With a transmit upgrade kit the AFTRS-R can provide simultaneous CIB receive and UHF SATCOM secure voice, text, and data using either the Integrated Waveform (IW) or the Mobile User Objective System (MUOS) waveform. AFTRS-R is integrated on HH-60G, CV-22, B-52, AC-130, EC-130, MC-130, and KC-46A.



# AFTRS-R

## HIGHLIGHTS

- Provides critical Beyond Line Of Sight (BLOS) situational awareness information (threat, survivor, and Blue Force Tracker) near real-time
- Standalone terminal with red side processing to maximize platform resources for mission functions
- NSA Type-1 Certified
- Joint Interoperability Test Command (JITC) Certified for CIB
- Four (4) channel software defined radio
- Dynamic channel reconfiguration
- MIL-STD-704 compliant on board power supply
- Field-upgradeable firmware/software
- Holds AEKs for 5 years and TEKs for more than 24 hours after external power is removed

- Supports up to ten users simultaneously
- Transmit kit provides simultaneous CIB receive secure voice, data, and text via Integrated Waveform (IW) or Mobile User Objective System (MUOS)
- Supports dashboard

## GENERAL FEATURES

- Key fill via front panel or remote fill panel interface
- Broadcast reception simultaneous receive on up to four (4) channels
- Data correlation Internal, via PICES
- Supports Tactical Receive Segment (TRS) software

## PHYSICAL FEATURES

CHARACTERISTIC	MEASUREMENT
Dimensions	12.52 L x 6.00 W x 7.62 H inches
Weight	24 lbs.

## ENVIRONMENTAL FEATURES

CHARACTERISTIC	MEASUREMENT
Temperature	-40° F to +149° F (-40° C to +65° C) (operating)
Altitude	70,000 ft. Mean Sea Level (operating)

## ELECTRICAL FEATURES

CHARACTERISTIC	MEASUREMENT
Interfaces	Two redundant (2) MIL-STD-1553B ports, Two (2) RS-422/RS-232, and Ethernet
Input Power	400 Hz, 115VAC (input)

### Airborne & Intelligence Systems

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Rev 04 | May 2020