

# TRAKIT-20BF



**S**traight-forward, basic feature GPS tracking of fleet vehicles is accomplished with IDA's TRAKIT-20BF vehicle unit. Easily interfaced with nearly any conventional or trunking radio system, vehicles are monitored real-time using TRAKIT-USA or TRAKIT-II software. Vehicle locations are also logged in the vehicle or at the dispatch base for post-analysis by the TRAKIT-ANALYZER report generation and stop analysis software. Change the reporting interval or download the vehicle buffer over-the-air. Monitor and direct the activity of an entire fleet of vehicles. Dispatch closest unit to a job or emergency. Improve routing efficiency. Supervise drivers. Reduce unnecessary costs by improving control.

## FEATURES

- Use for both real-time monitoring and data logging
- On-board data buffer holds 1200 location positions
- Interfaces with conventional or trunking radio systems
- Change on-board parameters over-the-air from the base station
- Download buffer data over-the-air to office computer
- Up to two user defined inputs
- User-defined output port has numerous programmable operating modes
- Compatible with the TRAKIT VEHICLE MESSAGE TERMINAL
- Radio version compatible with TRAKIT SUPERVISOR MONITOR
- Event alerts to dispatcher

## TRAKIT-20BF

### SPECIFICATIONS

Input voltage	11VDC - 18VDC
Standby current @ 13.8VDC with Trimble SK8 receiver and antenna	125mA 310mA
Temperature range	0 to +70 deg C
Relative humidity	90% at 50 deg C
Tx audio output impedance high impedance 10k ohms	600 ohms
Tx audio level into 600 ohms	0V to .77V RMS
Rx audio level	30mV RMS to 2.5V RMS
Modem data	1200 baud MSK
Weight	1.1 lb.
Dimensions	5.5" x 5.5" x 1.5"

#### Description:

The Trakit-20BF provides a full featured Automatic Vehicle Location (AVL) system for fleet management using the Global Positioning System (GPS). The Trakit-20BF contains a GPS receiver, a data buffer and a data modem. Location data is accumulated in the buffer and can be sent to the base through a radio link.

The Trakit-20BF is designed for use on 450 MHz, 800 MHz, shared or dedicated, trunked or conventional radio systems. Interfaces to a number of different radios have been developed for the Trakit-20BF. Various radio interface cables are available for quick and easy installation.

#### Capabilities and Features

- Can be used on 450 MHz, 800 MHz, shared or dedicated, trunked or conventional radio systems.
- Interface kits to many radios are available for easy installation.
- Operating and timing parameters are stored in non-volatile EEPROM and can be programmed to meet system requirements.
- Voice and data can be intermixed on the radio channel.
- Data output port has numerous programmable operating modes.
- Two external inputs allow position records to be generated on external events.
- On board battery backed position buffer holds 1000+ records.
- Internally located GPS receiver board.
- Onboard 1200 baud MSK modem.

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