



iTRAKopus™ callcommander

iTRAKopus™ **callcommander** combines GPS tracking and hands-free voice communications. With the touch of a single button, the driver can call pre-programmed phone numbers or answer an incoming call.

The iTRAKopus **callcommander**™ operates on GSM data and voice networks. It is designed for excellent performance and easy installation. The iTRAKopus **callcommander**™ is ideal for:

- ◆ Commercial Drivers who are restricted from using a telephone handset while driving
- ◆ Monitoring and reducing phone expenses
- ◆ Enhancing safety by eliminating the need to dial commonly called phone numbers
- ◆ Limiting driver communication to business or emergency needs

Assembled in the United States, the iTRAKopus **callcommander**™ has a single glass-mount antenna for both GSM wireless transmission and GPS. An optional roof-mount antenna is available. It includes:



- ◆ GPS tracking unit and GSM modem
- ◆ Combined GPS/GSM antenna
- ◆ Speaker
- ◆ Microphone
- ◆ Switch plate for 3 pre-programmed outbound phone numbers and one switch to answer incoming calls
- ◆ Wiring for power and connectivity

The iTRAKopus **callcommander**™ meets the requirements of the new US DOT Federal Motor Carrier Safety Administration and Pipeline and Hazardous Materials Safety Administration rule, docket "FMCSA-2010-0096" or "PHMSA-2010-0227", "Drivers of CMVs: Restricting the Use of Cellular Phones".



As with all iTRAK products, the iTRAKopus **callcommander**™ offers:

- ◆ Event-based tracking to provide user information that is easier to use and understand, and reduces data transmission fees.
- ◆ Access to the iTRAK Fleet Executive™, web-based mapping and reporting program to easily manage your vehicles.
- ◆ Patented position confirmation to eliminate lost data when out of wireless coverage.
- ◆ Customization of tracked events to best fit your fleet and business needs.



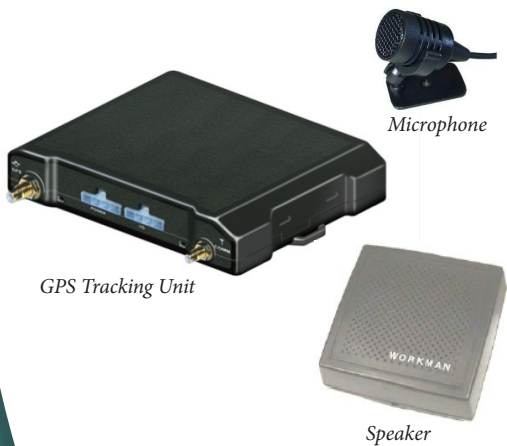
Command Your Communications



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iTRAKopus™ callcommander



GPS Tracking Unit

Microphone

Speaker

Location Specifications

Location Technology	50 channel GPS (with SBAS, DGPS)
Location Accuracy	2.0 meter CEP (with SBAS off)
Tracking Sensitivity	-160 dBm
Acquisition Sensitivity	-144 dBm
Kick Start	3 sec @ -130 dBm

Communication Specifications

Data Support	SMS, GRPS (UDP)
Cellular/PCS	FCC-parts 22, 24; PTCRB
GPRS	Up to class 12
GPRS Quad Band	850/900/1800/1900 MHz
GPRS Output Power	850 (class 4) 2W
	900 (class 4) 2W
	1800 (class 1) 1W
	1900 (class 1) 1W

Comprehensive I/O

Inputs	4 including ignition
Outputs	3 (150mA)
Status LEDs	GPS & cellular

Certifications

Fully certified FCC, CE, IC, PTCRB, CARRIERS

Electrical Specifications

Operating Voltage	9-30 VDC
Power Consumption	
Deep Sleep	<4mA@12v
Sleep on Network	<20mA@12v
Active Standby	<70mA@12v

Audio

Microphone	-41dB (+/- 4dB) uni-directional, range 100-10KHz, visor clip, noise-cancelling
Speaker	4 in (10.2cm), 8 Ohm, 12VDC – amplified, power and bypass switch

Environmental Specifications

Operating Temperature	-30° to 70° C
Storage Temperature	-40° to 85° C
Humidity	95%RH @ 50° C non-condensing
Shock & Vibration	Military Standards 202G, 810F, SAE J1455
EMC/EMI	SAE J1113

Connectors

SIM Access	Internal
External Cellular	SMC
External GPS	SMA (with tamper mounting, 3.3v)
4-Pin Molex	power, ignition, I/O
16-Pin Molex	Expansion port
22-Pin Molex	I/O connection

Mounting

GPS Device	— Screw mounting brackets
Switch Plate	— Dash mounted