

Ct-Tracker

Specification V0.3



Introduction

Ct-Tracker is a small and powerful GPS/GSM/GPRS tracking device that is developed for personal remote positioning and emergency reporting. **Ct-Tracker** is suitable for many applications, such as human body or pet monitoring, vehicle security etc. Not only transmitting the longitude and latitude coordinate to your cell phone by SMS, but also transmitting the longitude and latitude coordinate to your PC by the Internet connection of GPRS and then displaying the location by specific map software. There are four quick dial buttons for the dialing to pre-set numbers.

With the superior sensitivity GPS chip on board, the **Ct-Tracker** can easily get a fix even in urban canyon condition. Users can also benefit from its compact size, lightweight, as well as long working hours. The track data can be downloaded to Google map for quick monitoring purpose. Also, the user can easily get the GPS data from the global internet server. The **Ct-Tracker** is your best companion for remote positioning and security purpose.

Features

- GSM 900/1800/1900 (default tri-bands)
- GPRS class 12
- 20 channels tracking
- Superior sensitivity: -159dBm tracking
- Built-in rechargeable 750 mA/h Li-Ion battery
- Tracking (by time interval, speed interval)
- Emergency calls
- Geo-fencing control (SMS)
- Low power alarm
- Voice communication
- Mini USB port for charging and data exchanging

Know about Ct-Tracker



Specifications

■ Technical Performance

Item	DESCRIPTION	Specification
Chipset	GSW3	SiRFStar III technology
General	Frequency	L1,1575.42 MHz
	C/A code	1.023 MHz chip rate
	Channels	20
Datum	Default	WGS-84
Accuracy	Position	10 meters, 2-D RMS
		5 meters 2-D RMS, WAAS corrected
	Velocity	0.1 meters/second
	Time	1 microsecond synchronized to GPS time
Time to First Fix (TTFF)	Reacquisition	0.1 sec., average
Open Sky & Stationary Requirements	Hot start	1 sec., average typical TTFF
	Warm start	35 sec., average typical TTFF
	Cold start	42sec., average typical TTFF
Dynamic Conditions	Altitude	1800 meters (60000 feet) max.
	Velocity	515 meters/second (1000 knots) max.
	Acceleration	4g, max.

■ GSM / GPRS Technical Performance

Item	DESCRIPTION	Specification
Air Interface	GSM Tri-Band	900/1800/1900 MHz
	Class 4	2W @900 MHz
	Class 1	1W @1800/1900 MHz
Data Interface		
GPRS packet Data features	GPRS Multislot	Class 12
	Coding Scheme	CS1~CS4

■ Software Specifications

Operating system	NuCleux
Communication Network	GSM / GPRS 900/1800/1900

■ Physical Specifications

Item	DESCRIPTION	Specification
Dimension	Length	88.5 mm
	Width	40 mm
	Height	19.95 mm
Weight	With Rechargeable battery	72 g
	Without battery	57 g

■ Environmental Specifications

Item	DESCRIPTION	Specification
Temperature	Operating range	-10 °C to 50 °C
	Storage range	-20 °C to 60 °C
Humidity	Up to 95% non-condensing	

■ Interface Specifications

Item	DESCRIPTION	Specification
Power key	Power on	Press 3 second and music
	Power off	Press 3 second and ring tone
Key Pads	1 +OK	Dial Pre-Set 1st Number
	2 +OK	Dial Pre-Set 2nd Number
	3 +OK	Dial Pre-Set 3rd Number
	4 +OK	Dial Pre-Set 4th Number
SOS	SOS and +/sos key	Press two keys at the same time
Power recharge	Mini-USB connector	USB 1.1
External antenna	MMCX	
Storage	SD Card Slot	Micro-SD
Microphone	Build-in	
Speaker	Build-in	Mono
Ear-phone	Ear-phone connector	φ 2.5mm
Volume control	increasing volume	+ /SOS key
	decreasing volume	– key
Antenna	GSM, GPS	Build-In

■ LED lights Definitions

Indication	Conditions	LED display
Service	limit service (no sim / sim with pin)	red light blink
	no service (no signal)	red light always ON
Mode	GSM on + GPS not to fix mode	blue light blink
	GSM + GPS fix mode	light blue light blink
	GPRS on + GPS not to fix mode	orange light short blink
	GPRS + GPS fix mode	green light short blink
	Tracking + GPS not to fix mode	orange light fast blink
	Tracking + GPS fix mode	green light fast blink
Battery	Battery low mode	green, red lights blink
	Battery Charging mode	red light blink
	Battery full mode	green light always ON

■ Electrical Specifications

Indication	Conditions	LED display
Supply voltage	GSM	4.2V
	GPS & other electronic components	TBD
Power consumption	Operation mode (GSM)	270mA
	Standby mode (Trace On)	130mA
	Power saving mode (Trace Off)	76mA
Battery	Battery Cell	Li-ion (750mA)
	Dimension (L x W x H)	43 mm x 31.7 mm x 6.9 mm
	Charging time	3 hr.
	Output voltage	4.2v

Accessories

Item	Quantity
Main unit	1
Battery	1
CD-ROM(Software + User manual)	1
Ct-Tracker Quick Guide	1
Power Adapter	1
Mini USB Cable	1
Warranty Card	1

Battery



CD-ROM



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Quick Guide



Power Adapter



Mini USB Cable



Anti-Slip Pad

