



W-EU V1.0

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- Kurzanleitung ◀ 
- Korte gebruikshandleiding ◀ 
- Guide de Démarrage ◀ 
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Wireless GPS Receiver with TMC

Touch your imagination

Trinity
www.amaryllo.com

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CE Normalisation

Class A ITE

Class A ITE is a category of all other ITE which satisfies the Class A ITE limits but not the Class B ITE limits. Such equipment should not be restricted in its sale but the following warning shall be included in the instruction for use:

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Class B ITE

Class B ITE is a category of apparatus which satisfies the Class B ITE disturbance limits. Class B ITE is intended primarily for use in the domestic environment and may include:

- Equipment with no fixed place of use; for example, portable equipment powered by built-in batteries;
- Telecommunication terminal equipment powered by a telecommunication network;
- Personal computers and auxiliary connected equipment.

Introduction

The Trinity receiver is an ultra low power Bluetooth GPS receiver with RDS/TMC. The design is based on the proven technology found in 20 channel GPS chipset solutions. The position application meets strict needs such as car navigation, mapping, surveying, security, agriculture etc. For the device to operate only clear view of sky and certain power supply are needed. With its ultra low power consumption, the Trinity receiver tracks up to 20 satellites at the same time, re-acquires satellite signals in 1 second (average) and updates position data every second. With its TMC receiving capabilities your software can tell you where a traffic event occurred. The Trinity receiver doesn't need any external antenna to achieve its main goals










Features

The Trinity receiver provides a host of features that make it easy for integration and use.

- SiRFstar III LP solution, Support 20-channel GPS.
- NMEA 0183 ver 3.0, 115200 bps
- Open TMC protocol 2.0
- Bluetooth Interface 1.2, Class 2 (SPP)
- Fast TTFF at low signal level
- Capable of SBAS (WAAS, EGNOS, MSAS)
- BL5C Nokia compliant battery, 11h typical operation time.
- 1 month standby time.
- LED indicators for Battery, GPS, TMC and Bluetooth.
- Anti slip stickers (included in package)
- sleeve to protect your Trinity (included in package)
- Receiving USA, European and Asian FM channels.
- Size: 86mm x 45mm x 13,1mm, Weights: 60 gr (2.12 oz)
- Internal FM antenna
- Optional external FM antenna for poor TMC area reception.

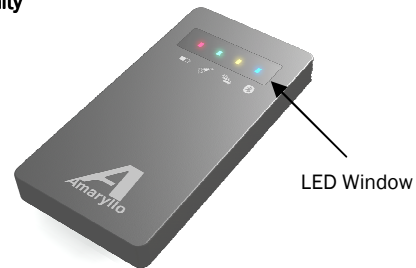


Package content

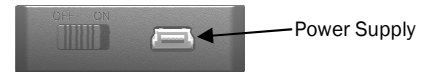
Trinity Device	
Battery	
- USB cable and optional external FM antenna, - Suction cup	
Anti slip stickers	
Sleeve	
Home charger (EU or UK or US)	
Car charger	
Quick start guide	
Registration card	

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Amaryllo Trinity



On/Off button and Mini USB Connector



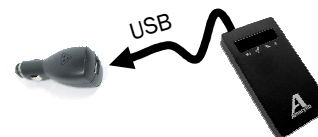
Battery installation

- 1 Push on the mark and open the compartment softly.
- 2 Insert the battery on the correct way.
- 3 Close the compartment softly.



Charging

Connect the mini-USB port to the Home or car charger. The red LED will light up. Wait until the red LED is turned off. Amaryllo Trinity will be charged in 4 hours



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External FM Antenna

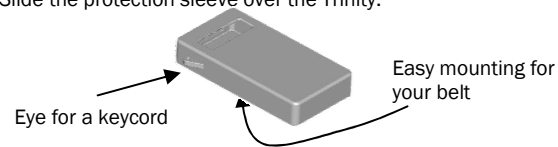
Amaryllo Trinity has an build in FM antenna. To enhanced the FM reception you can connect the mini-USB to USB cable. See previous picture.

Anti slip stickers and/or protection sleeve installation

The anti slip sticker prevent moving of the Trinity on a dashboard. Place the stickers on the back of the Trinity for a good grip performance.



The protection sleeve prevent scratch damage on the Trinity. Slide the protection sleeve over the Trinity.







Bluetooth interface

Setup of the Amaryllo Trinity receiver explains itself by following three simple steps:




- First switch on your host (PDA, Smartphone and PC) Bluetooth Device. You can check in the manual of this device how to connect to an other Bluetooth device (SPP).
- Switch the Amaryllo Trinity on. Your host device will find the Amaryllo Trinity as **Bluetooth GPS** in his Bluetooth search screen.
- During the connecting process a pairing code will be asked this is **0000** now it creates a new com-port that will be used by your application. Use for the transmission **NMEA 115200 baud**.

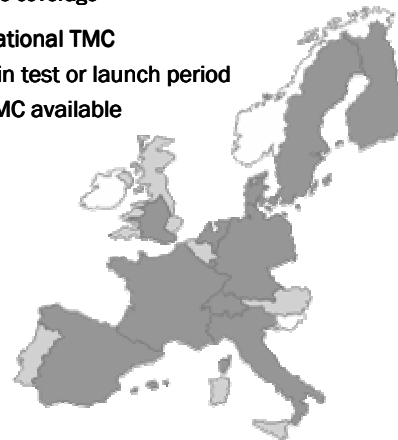


LED status

					
	red	green	yellow	blue	
1	Pulse				Battery needs to be charged
2	On				Battery is currently charging
3	Off				Battery is OK
4		Pulse			There is a fix
5		Off			No fix, looking for fix
6			Pulse		There is TMC reception
7			Off		There is no TMC reception, looking for broadcast
8				Pulse	There is a BT connection
9				Pulse fast	There is no BT connection, looking for connection

European TMC coverage

-  Operational TMC
-  TMC in test or launch period
-  No TMC available



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Einführung

Der Trinity-Receiver präsentiert sich als Bluetooth-basierter GPS-RDS/TMC-Empfänger mit extrem geringem Leistungsbedarf. Er basiert auf der bewährten Technologie von 20-Kanal-GPS-Chipset-Lösungen. Die Anwendung zur Positionsbestimmung wird den hohen und präzisen Anforderungen der Kfz-Navigation, Kartierung, Vermessung, Sicherheit, Landwirtschaft usw. gerecht. Das Gerät benötigt lediglich eine unbehinderte Sicht zum Himmel sowie eine adäquate Stromversorgung. Bei extrem geringer Leistungsaufnahme gelingt dem Trinity-Receiver die gleichzeitige Ortung von bis zu 20 Satelliten, die Wiedererfassung von Satellitensignalen in 1 Sekunde (durchschnitt.) und eine Aktualisierung der Positionsdaten pro Sekunde. Dank der TMC-Empfangsfunktionen ist die Software in der Lage, Sie auf jeden Verkehrsvorfall hinzuweisen. Zur Erfüllung seiner grundlegenden Aufgaben benötigt der Trinity-Receiver keine externe Antenne.

Eigenschaften

Der Trinity-Receiver stellt eine ganze Reihe von Features bereit, die seine Integration und Verwendung zum Kinderspiel machen.

- Lösung SiRFstar III LP, Unterstützung für 20-Kanal-GPS
- NMEA 0183 Ver 3.0, 115.200 bps
- Protokoll Open TMC 2.0
- Bluetooth-Schnittstelle 1.2, Klasse 2 (SPP)
- Kurze TTFF-Zeit bei schwachem Signal
- SBAS-Fähigkeit (WAAS, EGNOS, MSAS)
- Nokia BL5C-kompatibler Akku, typ. Betriebsdauer 11 Stunden
- Standby-Betrieb bis zu 1 Monat
- LED-Anzeigen für Akku, GPS, TMC und Bluetooth
- Anti-Rutsch-Sticker für Rutschfestigkeit (im Lieferumfang enthalten)
- Schutzhülle für den Trinity-Receiver (im Lieferumfang enthalten)
- Empfang US-amerikanischer, europäischer und asiatischer UKW-Kanäle
- Abmessungen: 86mm x 45mm x 13,1mm, Gewicht: 60 g
- Interne UKW-Antenne
- Optionale externe UKW-Antenne für Bereiche mit schwachem TMC-Empfang



Verpackungsinhalt

Trinity-GPS-Receiver	
Akku	
- USB-Kabel und optionale externe UKW-Antenne - Saugschale	
Anti-Rutsch-Sticker	
Schutzhülle	
Netzladegerät (EU, GB oder USA)	
Kfz-Ladegerät	
Kurzanleitung	
Ausrichtung Karte	

