12TRACE

User Manual GeoChaser Control

1.Introductie

The GeoChaser Control is a powerful GPS tracking system designed for tracking of vehicles and reading out driver identification. The device has superior reception sensitivity, fast positioning and supports four-band GSM frequencies 850/900/1800/1900, the location can be viewed real-time on your personal 12Trace page or in the mobile App. The GeoChaser has multiple in/outputs that can be used for monitoring or control of external devices. The GeoChasers communicate with the GPRS/GSM network and can alert you when crossing a virtual fencing (Geofence), low back-up battery or low communication credits.

☐ Your GeoChaser uses the Global Positioning System (GPS). The GPS system is maintained by the U.S. Government. Changes in availability and accuracy of the system can adversely affect the operation of the GeoChaser. 12Trace cannot take any responsibility for the reliability, availability and accuracy of the GPS system, as a result of third parties. In the disclaimer of 12Trace you will find more information.

☐ Tall buildings and metal structures can affect the determination of the position by GeoChaser.

2. Interface Definitions:

There are 8 wires in the cable of the GeoChaser including the connection for the contact input, digital input, analog input etc.

8) +12/24 Volt
7) GND
6) I-Button (red wire)
5) I-Button (white wire)
4) Release immobilizer,
   green led
3) I-Button , red led
2) Ignition
1) unused

3. GeoChaser activation

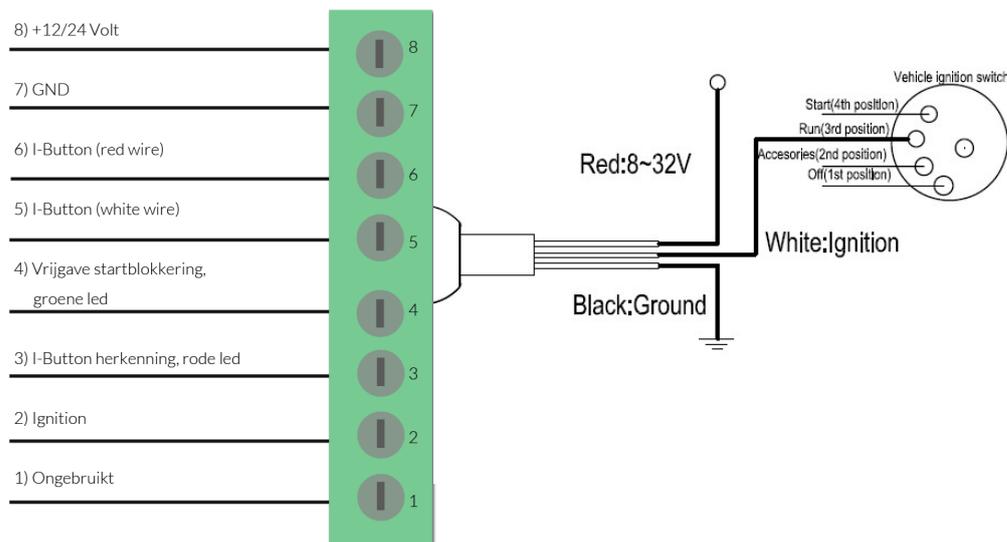To activate the GeoChaser he needs to be registered.

8) +12/24 Volt

7) GND

6) I-Button (red wire)

5) I-Button (white wire)

4) Vrijgave startblokkering,
   groene led

3) I-Button herkenning, rode led

2) Ignition

1) Ongebruikt

8
7
6
5
4
3
2
1

3.1 New user

New users must first create an account on www.12trace.nl. Go to the site, click on the ' login ' button and then click ' create account '. You will be prompted to fill in some data.
You need the product key. The product key can be found at the bottom of the GeoChaser. To activate your account you will receive an e-mail message from support@12trace.nl on your specified email address, follow the instructions in this e-mail message. Your account and GeoChaser are activated now. Note: the GeoChaser is equipped with a SIM card, DO NOT CHANGE THE PIN CODE of the SIM card. It is not possible to use a different SIM card.

3.2 Existing user

If you already have a 12Trace account, you can add the GeoChaser to your account. Log in to your account with the ' log in ' button and then click ' Add ', GeoChaser and fill in the required information. Your GeoChaser is now activated en ready for use.

4. Voltage and contact detection

The red wire is plus 12/24V and the black wire is the ground. The white wire is for the contact detection. This detection is necessary to activate a ride and allows for lower power consumption once the vehicle is turned off. Connect the white wire to a tension on the contact or connection that has only once the ignition of the vehicle is on.

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5. Installation of the GeoChaser

For optimal operation of your GPS tracking system, it is important that the GeoChaser not be completely enclosed by metal or metal-containing glass. This will may seriously disturb the functioning of the system. In General, plastic and normal glass has no negative for receiving a GPS signal. The Gps antenna is built in the GeoChaser at the top under status led lights. The GeoChaser at the top of the box has two recesses that help fixed your system at the vehicle.
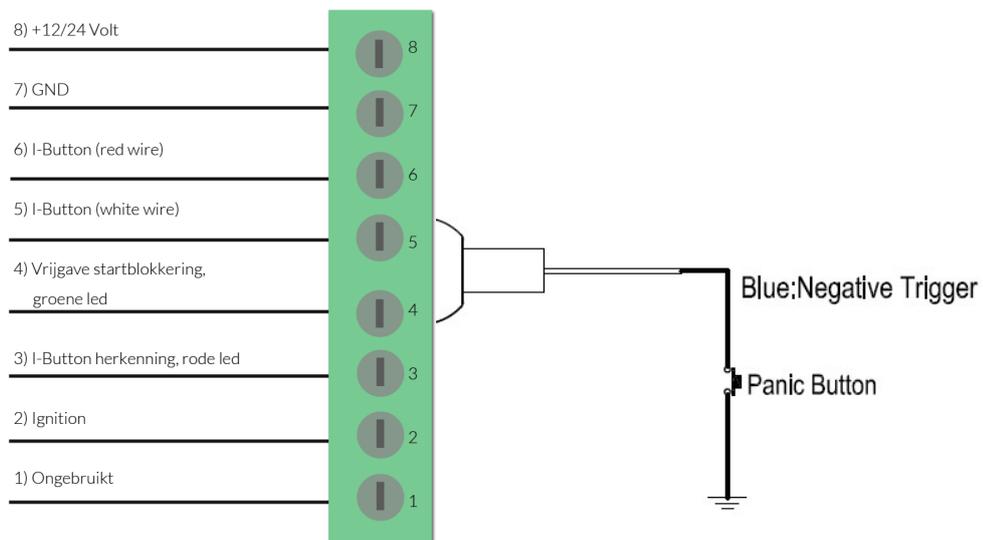
LED status

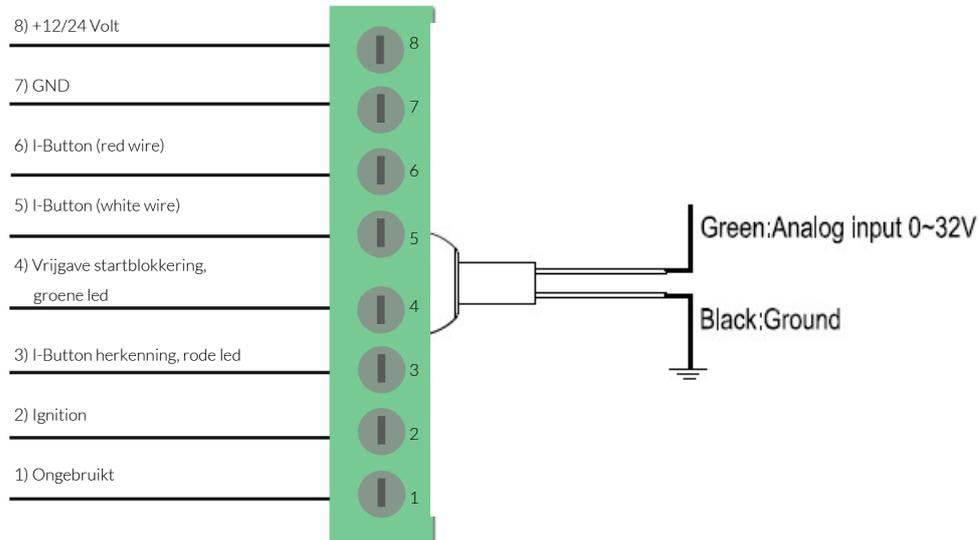| LED	led status	Device status
GSM	Fast flashing	Search network
	slow flashing	connected
GPS	off	GPS off
	slow flashing	no data
	Fast flashing	Search GPS
	on	Found positions
PWR	off	No external power supply
	slow flashing	Battery low
	Fast flashing	Battery carge
	On	Battery is full

6. Additional connections

6.1 Digitale Input
There is a general digital input, blue wire. This entry is "active" if it is switched to the mass/ground. For example you can use this entry for a panic button or a float alarm.
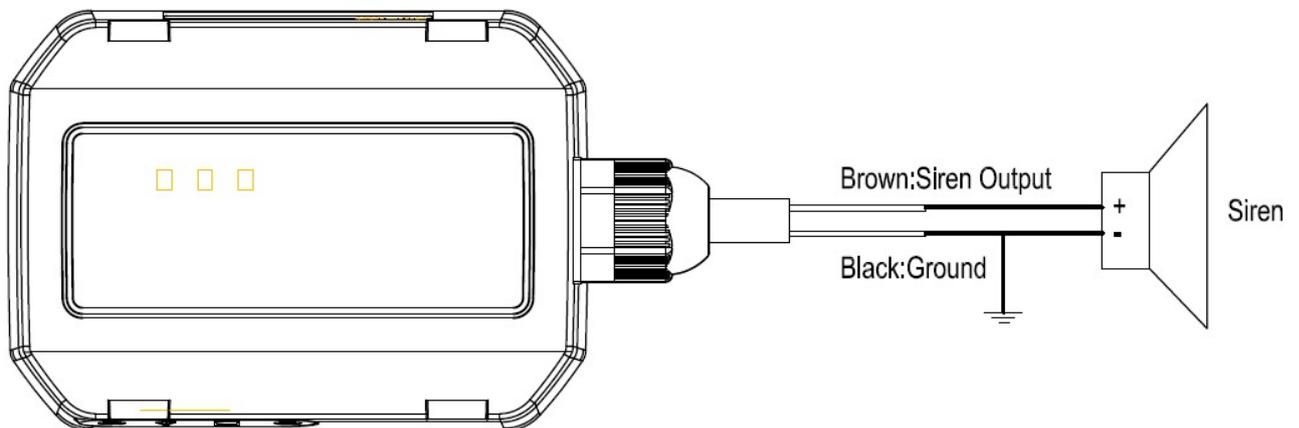

8) +12/24 Volt
7) GND
6) I-Button (red wire)
5) I-Button (white wire)
4) Vrijgave startblokkering, groene led
3) I-Button herkenning, rode led
2) Ignition
1) Ongebruikt

Blue:Negative Trigger
Panic Button

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6.2 Analog input

The green wire is the analog input. This can be a DC voltage from 0 to 30V. The overview shows the connections.

8) +12/24 Volt

7) GND

6) I-Button (red wire)

5) I-Button (white wire)

4) Vrijgave startblokkering,
   groene led

3) I-Button herkenning, rode led

2) Ignition

1) Ongebruikt

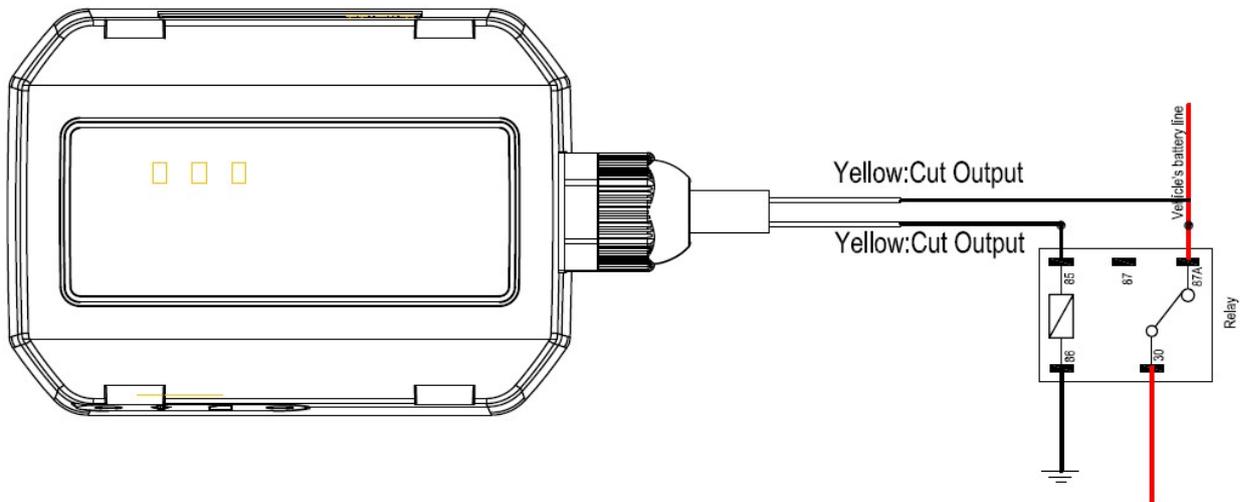Green:Analog input 0~32V

Black:Ground

6.3 Digitale output

The brown wire is the digital output. . For example you can use this entry for a siren or horn to send control with a maximum flow of 750mA. If the output is switched on the voltage equal to the input voltage of the vehicle. Is the system connected to 12V is the exit to the siren or horn also 12V. .

Brown:Siren Output

Black:Ground

Siren

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6.4 Relay output

The GeoChaser has a built-in potential-free relay contact between the 2 yellow wires. This is a normally open contact relay with a maximum switching voltage of 16VDC and a maximum continuous current of 5A.

7. Set up the GeoChaser

After signing in to the website account you will get an overview of your GeoLockers and GeoChasers in your account. After selecting the device to get to the main screen of your device. From here, you can change settings, check what the current position is and what routes are possible, the current location and your amount of credits

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Depending on the settings, different buttons are hidden or expanded this depending on whether the button is relevant or not.

Click on [**Settings**]

At the (Basic) institutions we distinguish 4 settings, namely:

- Timetrace: This is the time interval between 2 locations
- Geo Motion Live Tracking: This is the interval of locating. Also it possible to also respond to a change of course. You switch the km-administration option are the other settings here for defined.
- Geo Fence: The setting disables a virtual fence in. With the button next to it you can set where this fencing should stand and how big it should be.
- Alarm: Here you can switch on/off different alarms. There are a few alarms that default turned on.

Click on [**advanced settings**]

In addition to the basic settings, there are also advanced settings. This allows you to optimize the functioning of your GeoChaser. You can find the following settings:

- Automatic control: Specifies that the GeoChaser monitor 12Trace on missed communications, these alerts you will receive via email.
- External connections: Your GeoChaser offers possibilities to communicate with peripherals. There are different settings here.
- Change personal data: Specifies, by name, and the attribute of your GeoChaser change.
- Product information: it shows product information and you are able to remove de data history.

Please note: If you change a setting and click ' save ' there will be a pink clock appear behind the changed setting. This means that the setting has not yet been sent to the GeoChaser. The next time this will happen if the GeoChaser connect to the 12Trace website (for example, at a location update). Using the [current location retrieval] changed settings will be immediately active.

8. Km-administration

For using the option kilometres administration it is important the km administration setting in the basic settings Geo Motion Live Tracking is checked. These settings are essential to accurately keep track of the mileage. When this option is checked the button changes to "Navi list overview" on the main screen to "km-administration". After clicking this button appears the km administration screen.

At this screen you can find the locations one by one. Note: this may take several minutes because the locations from google maps. By default, rides and business classified with a driver from the last ride. In the private column could you share private kilometers of the business trip. It is also possible to have a note for the ride and the driver. You must then save the data with the

button at the top of "Save data". The stored data can be exported to Excel (csv) for processing or as an attachment to your tax return.

Click the button "Enter correction " you can adjust the mileage to the counter in your vehicle.

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Kilometer administratie

Terug
van 08/29/2013 t/m 09/05/2013 Toon ritten
Verwijder berekeningen | Voer correctie in | Exporteer naar excel | Sla gegevens op

Datum	Nr	Classificatie	Bestuurder	Prive	Vertrek			Aankomst			Opmerkingen
					Tijd	Locatie	Km stand	Tijd	Locatie	Km stand	
5-9-2013	2	zakelijk	Jos	0	8:42	Peelerveld, 9487 Ter Aard, Nederland	239655	9:04	Damsterpad, 9713 Groningen, Nederland	239681	
5-9-2013	1	zakelijk	Jos	0	8:11	Meester H. Smeengeweg 32, 7958 RJ Koekange, Nederland	239610	8:40	Peelerveld, 9487 Ter Aard, Nederland	239655	Getankt 35,3l
4-9-2013	4	prive	Jos	0	23:25	Oshaarseweg 2403, 7932 PX Echten, Nederland	239607	23:30	Meester H. Smeengeweg 32, 7958 RJ Koekange, Nederland	239610	
4-9-2013	3	prive	Jos	0	18:18	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239601	18:25	Oshaarseweg 2403, 7932 PX Echten, Nederland	239607	
4-9-2013	2	zakelijk	Jos	0	15:04	Damsterpad, 9713 Groningen, Nederland	239530	15:54	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239601	
4-9-2013	1	zakelijk	Jos	0	8:01	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239459	8:51	Damsterpad, 9713 Groningen, Nederland	239530	
3-9-2013	2	zakelijk	Jos	0	17:37	Damsterpad, 9713 Groningen, Nederland	239387	18:28	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239459	
3-9-2013	1	zakelijk	Jos	0	7:46	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239309	8:49	Damsterpad, 9713 Groningen, Nederland	239387	
2-9-2013	6	prive	Jos	0	22:06	De Berken 29, 7958 VB Koekange, Nederland	239309	22:09	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239309	
2-9-2013	5	prive	Jos	0	18:55	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239308	18:59	De Berken 29, 7958 VB Koekange, Nederland	239309	
2-9-2013	4	prive	Jos	0	17:18	Meester H. Smeengeweg 28, 7958 RJ Koekange, Nederland	239308	17:19	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239308	
2-9-2013	3	prive	Jos	0	12:19	Bunskamp 13, 7942 HT Meppel, Nederland	239296	12:32	Meester H. Smeengeweg 28, 7958 RJ Koekange, Nederland	239308	
2-9-2013	2	prive	Jos	0	12:12	Stationsweg 70, 7941 HG Meppel, Nederland	239292	12:18	Bunskamp 13, 7942 HT Meppel, Nederland	239296	
2-9-2013	1	prive	Jos	0	11:52	Meester H. Smeengeweg 30, 7958 RJ Koekange, Nederland	239281	12:07	Stationsweg 70, 7941 HG Meppel, Nederland	239292	

The automated administration justifying what rides by 12Trace remains private, or business with private-part for the user. Also the detours and the reason for that is up to the user and can be noted in the comments column. The tax office will ask for the control locations and proof for the identified as a business address. de

12Trace is gebonden aan de Wet Bescherming Persoonsgegevens. Zij onderschrijft de Gedragscode Verwerking Persoonsgegevens. Bij de verwerking van uw persoonsgegevens gaat 12Trace zorgvuldig te werk. 12Trace gebruikt alleen die gegevens die nodig zijn voor een optimale dienstverlening. Voor zover dat niet voortvloeit uit de wet of uit v erplichtingen die 12Trace jegens u is aangegaan, worden zonder uw toestemming geen persoonsgegevens aan derden verstrekt.

www.**12Trace**.nl

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