

iNet Box



Operating Instructions

To be kept in the vehicle!

Page 2



ÜBERARBEITET
11:05, 12.03.2015

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Symbols used

 Note containing information and tips.

Intended use

The iNet Box was developed for controlling TIN-bus-capable Truma devices via mobile terminal devices (e.g. smartphones, tablet PCs). Communication is via Bluetooth or GSM.

Operating Instructions

Safety instructions

- iNet Box must not be operated unless it is in technically perfect condition.
- Repairs must be carried out immediately. Only carry out repairs yourself if the solution is described in the troubleshooting guide of this manual.
- A defective iNet Box may only be repaired by the manufacturer or the manufacturer's service department.
- Do not perform any modifications to the iNet Box as this can be dangerous.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
 - (1) this device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
- Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
 - (1) l'appareil ne doit pas produire de brouillage, et
 - (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Display and control panels / connections

Display panels

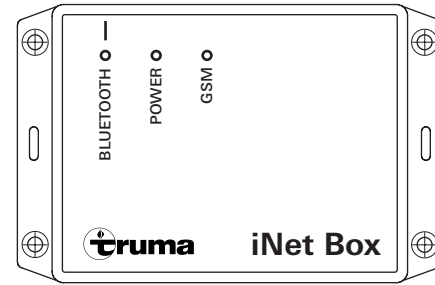


Figure 1 – Top view

LED

Description

- | | |
|-------|---|
| Blue | Bluetooth – flashes for Bluetooth pairing with 1 Hz |
| Green | Power – lights up when ready for operation |
| Red | GMS – lights up when GSM operation is not possible |

Control panels / connections

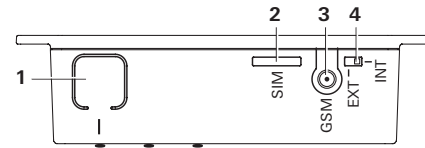


Figure 2 – Rear view

Item

Description

- | | |
|---|--|
| 1 | Bluetooth / factory setting button |
| 2 | Insert, Mini-SIM card (25 x 15 mm) |
| 3 | External antenna connection GSM (SMA) |
| 4 | Changeover switch, internal / external antenna |

Preparing start-up

Install the Truma app on mobile terminal device

1. Load the Truma app (at www.truma.com) onto the mobile terminal device.
2. Install the Truma app on the mobile terminal device.


 If necessary, an installed Truma app must be updated.

3. Repeat steps 1 and 2 for additional mobile terminal devices.
4. To continue installation, start the “Set-up assistant” of the Truma app or follow the instructions below.

Device identification

The TIN-bus-capable Truma devices connected to the iNet Box and CP plus must be known to the CP plus.

1. Connect all TIN-bus-capable Truma devices to the CP plus and the iNet Box.
2. Switch on the power supply for the devices connected to the CP plus and iNet Box (including iNet Box).
3. Perform the device search on the CP plus (see CP plus operating instructions, “Initial start-up”).

 After a repair / retrofitting, the device search with CP plus must be repeated.

4. At least the **Bluetooth communication** must be set up for each mobile terminal device.

5. Switch on all devices connected to the iNet Box (see “Bluetooth connection set-up” on Page 4).

Bluetooth communication


Bluetooth connection set-up

To connect the mobile terminal device to the iNet Box, the mobile terminal device must be switched on and Bluetooth must be activated (see the operating instructions of the mobile terminal device).


- Press the button (Figure 2 – 1) for approximately 1 second.

If the Bluetooth pairing is active, the iNet Box becomes visible for 3 minutes and the blue LED (Figure 1) flashes at the same time at a frequency of 1 Hz. The name “iNet Box” appears on the mobile terminal device.

The Bluetooth connection to the mobile terminal device can be made.

 Up to 20 mobile terminal devices can be logged on / saved on the Bluetooth connection. Four mobile terminal devices can control the iNet Box at the same time.

The first mobile terminal device set up (administrator) remains permanently in the iNet Box memory. The 21st mobile terminal device overwrites the second one in the memory. This means that each new mobile terminal device logged on overwrites the oldest one in the memory.

 The first mobile terminal device set up (administrator) can only be deleted by restoring to the factory setting (see “Factory setting” on page 6 on Page 6) in the iNet Box.

Bluetooth bonding

If there is a saved mobile terminal device within range of the iNet Box, a Bluetooth bonding to the iNet Box is automatically performed.

GSM communication

Preparing iNet Box

A Bluetooth connection must first be established before the GSM communication can be set up and operated.

A Mini-SIM card with its own call number and sufficient credit is required for GSM communication. The Mini-SIM card is not included in the scope of delivery.

Insert the Mini-SIM card

Position the Mini-SIM card (25 x 15 mm) so that the missing corner faces the slot and the contact surface faces the bottom of the iNet Box.

Push the Mini-SIM card into the "SIM" slot until it engages.

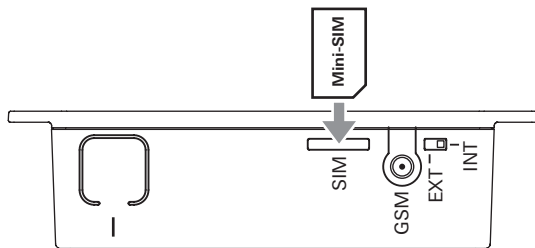


Figure 3

Removing the Mini-SIM card

Pressing the Mini-SIM card again enables it to be removed.

Setting up the GSM connection

An active Bluetooth connection is required for the continued installation and the Truma app on the mobile terminal device must be started.

1. Select the "set-up assistant" of the Truma app
2. Via the "set-up assistant", enter the PIN and the call number of the Mini-SIM (iNet Box), and also a freely selectable name (maximum 11 characters).

Notes:

- The Mini-SIM card is blocked after 3 incorrect PIN entries. To unblock, the Mini-SIM card must be removed from the iNet Box and unblocked in the mobile terminal device with the PUK.
- If the Mini-SIM card is replaced, the GSM connection must be set up again before using the GSM communication.

Operation

To operate the devices connected via the iNet Box, follow the steps in the Truma app.

- The last incoming command is executed.
- Bluetooth communication has priority over GSM communication.
- The iNet Box automatically switches from GSM to Bluetooth communication as soon as a saved mobile terminal device comes into reception range.
- It automatically switches back to GSM communication when the device goes out of reception range.

Technical data

Dimensions (L x W x H)	147 x 96 x 40 mm
Operating conditions	
Temperature	-30 °C to +60 °C
Humidity	10%rH to 99%rH
Air pressure	942 hPa to 1061 hPa
Storage temperature range	-30 °C to +70 °C
Interface	TIN bus
Power supply	9 V – 29 V
Power consumption	xxx mA
Standby current	xxx mA
Weight	approx. 500 g

External GSM antenna

Antenna gain max. 5.5 dBi at 850 MHz and max. 2 dBi at 1900 MHz



Subject to technical changes.

Troubleshooting guide

The green “Power” LED (ready for operation) does not light up.

Check the operating voltage.

LED red – GSM error

- No GSM reception
- No Mini-SIM card
- Mini-SIM card blocked
- Modem error

Progress bar stops during firmware update / Bluetooth connection interrupted for an extended time / previous firmware status remains.

Factory setting

Reset all settings to the factory setting and delete all individual data.

- Press the button (Figure 2 – 1) for at least 20 seconds.

The blue LED flashes briefly to indicate that resetting has been done.

Cleaning

Clean only with a moist, lint-free cloth. Make sure that no liquid gets inside the iNet Box. This can cause a short circuit and destruction of the iNet Box.

Maintenance

There are no components inside the iNet Box that require servicing by the customer.

If it is faulty, replace the complete iNet Box.

Firmware update

An iNet Box firmware update is indicated in the Truma app on the mobile terminal device. Transmission is via Bluetooth (follow the instructions in the Truma app).

Disposal

The device must be disposed of in accordance with the administrative regulations of the respective country in which it is used. National regulations and laws (in Germany, for example, the End-of-life Vehicle Regulation) must be observed.

Accessories

External GSM antenna

TIN-bus cable, 3 different lengths

Declaration of conformity

1. Information about the manufacturer

Name: Truma Gerätetechnik GmbH & Co. KG

Address: Wernher-von-Braun-Str. 12, D-85640 Putzbrunn

2. Device identification

Type / model:

GSM control unit / iNet Box

3. Complies with the requirements of the following EC directives

- 3.1 Electromagnetic compatibility 2004/108/EC
- 3.2 Radio interference suppression of motor vehicles UN ECE R10
- 3.3 End-of-life vehicle directive 2000/53/EC
- 3.4 Low Voltage Directive 2006/95/EC

and bears the CE mark and the type approval number E1
xxxxxxxxxxxxxx

4. Basis of the proof of conformity

6. Signatory details

Signature: xxxxx
xxxxxxxxxx

Putzbrunn, 17.11.2014

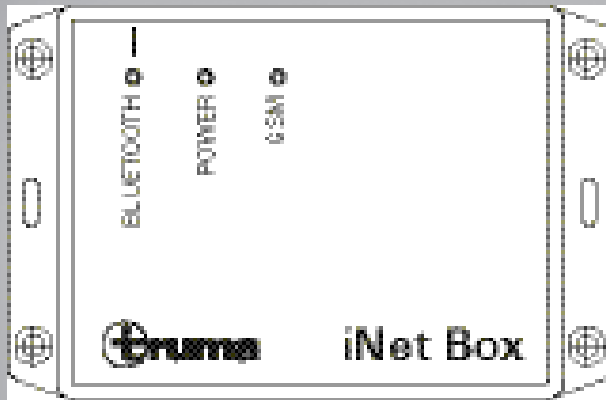
Warranty declaration

- E** Las instrucciones de uso y de montaje en su idioma pueden solicitarse al fabricante Truma o al Servicio postventa Truma en su país.
- FIN** Saat käyttö- ja asennusohjeen pyynnöstä omalla kielelläsi valmistajalta (Truma) tai maasi Truma-huoltoon.
- N** Spør om bruks- og monteringsanvisning på norsk hos produsenten Truma eller Trumas serviceavdeling i landet ditt.
- GR** Μπορείτε να ζητήσετε τις οδηγίες χρήσης και τοποθέτησης στη γλώσσα της χώρας σας από τον κατασκευαστή Truma ή από το σέρβις της Truma στη χώρα σας.
- CZ** Návod k použití a montážní návod si lze v řeči Vaší země vyžádat u výrobce Truma nebo servisu Truma ve Vaší zemi.
- SK** Návod na použitie a montáž vo Vašom štátnom jazyku si môžete vyžiadať u výrobcu Truma alebo v servise Truma vo Vašej krajine.
- P** As instruções de utilização e montagem podem ser solicitadas junto do fabricante Truma ou do serviço de assistência da Truma no seu país.
- H** Az Ön nyelvén a használati és beszerelési utasítás a Truma gyártójától vagy az adott ország Truma szerviztől szerezhető be.
- PL** Instrukcję obsługi i instrukcję montażu w Państwie wersji językowej można otrzymać w firmie Truma lub serwisie firmy Truma znajdującym się w Państwa kraju.
- TR** Dilinizdeki kullanma ve montaj talimatı, üretici Truma'dan veya ülkenizdeki Truma servisinden talep edilebilir.
- RUS** Руководство по эксплуатации и монтажу на Вашем национальном языке можно запросить у изготовителя Truma или в сервисной службе фирмы Truma в Вашей стране.

iNet Box

GB Installation Instructions

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11:16, 12.03.2015

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Symbols used



The unit must only be installed and repaired by an expert.



Note containing information and tips.

Installation Instructions

Safety instructions



In-vehicle installations must comply with the technical and administrative regulations of the respective country of use (e.g. EN 1648, VDE 0100-721). National regulations and rules must be followed. In other countries, the relevant regulations must be observed.

Intended use

The iNet Box was developed for controlling TIN-bus-capable Truma devices via mobile terminal devices (e.g. smartphones, tablet PCs). Communication is via Bluetooth or GSM.

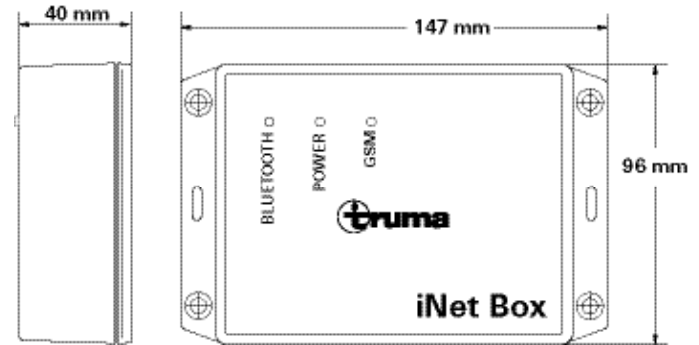
Scope of delivery

- 1 iNet Box
- 1 Fastening bracket
- 1 Set of operating instructions
- 1 Set of installation instructions
- 1 12 V connector cable 30 cm (+ = red , - = blue)
- 1 Connector cable (TIN-bus)

Accessories

- External GSM antenna
- TIN-bus cable, 3 different lengths

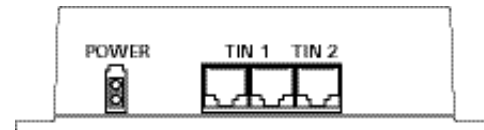
Dimensions



L x W x H 147 x 96 x 40
The dimensions are in mm

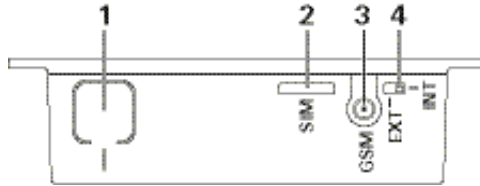
Connections

Front view



POWER (9 V – 29 V operating voltage)
TIN 1
TIN 2

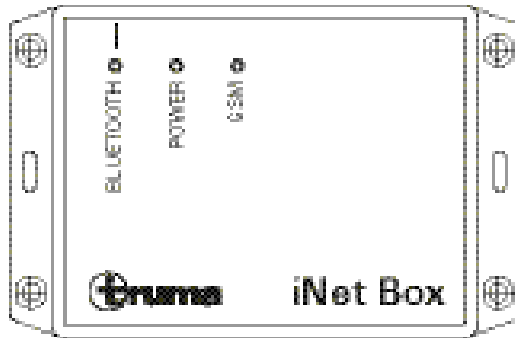
Rear view



- 1 BLUETOOTH / factory settings button
- 2 Mini-SIM (25 x 15 mm)
- 3 External antenna connection GSM (SMA)
- 4 Changeover switch, internal / external antenna GSM

Displays

Top view



- Blue LED (BLUETOOTH pairing status)
- Green LED (POWER lights up during operation)
- Red LED (GSM) lights up when GSM operation is not possible.

Selecting a location

Install the iNet Box in a location that is protected from moisture and humidity. For optimum transmission and reception, secure the iNet Box as high up as possible, e.g. above a window and in the middle of the vehicle. At the same time, due to the position of the installed antennae, the connections should go upwards or downwards (secure the box perpendicular on the wall).

The slot for the Mini-SIM and the external GSM antenna connection, the internal / external antenna changeover switch and the button for the BLUETOOTH pairing must remain accessible.

Connect the external GSM antenna

People must maintain a distance of at least 20 cm from the antenna.

Connection examples

- Plug the cable (TIN-bus) into the iNet Box TIN 1/2 and connect it to a TIN-capable heater and/or air conditioning system (from 01.04.2015 onwards, the heater can only be operated in conjunction with a CP plus control panel).
- Plug in the 12 V connector cable and attach to unswitched 12 V operating voltage (permanent positive). Protect the positive cable with a 1 A fuse (near to the positive terminal of the power source).

When the CP plus control panel is used, the same circuit as that of the iNet Box must be used.

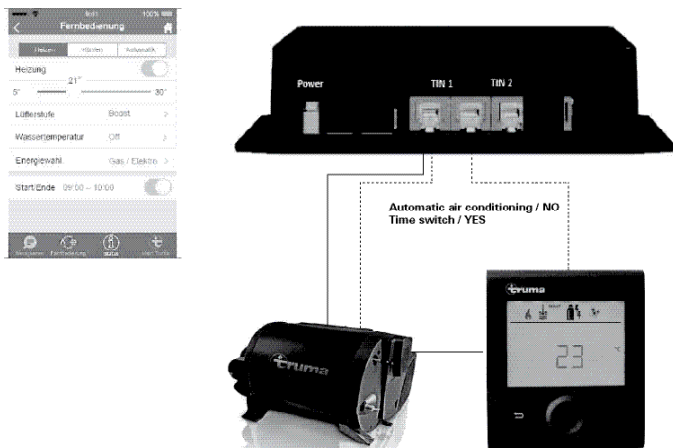


Figure 1

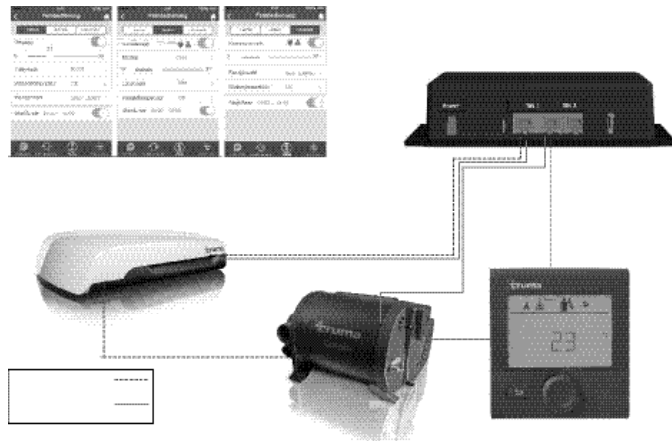


Figure 2

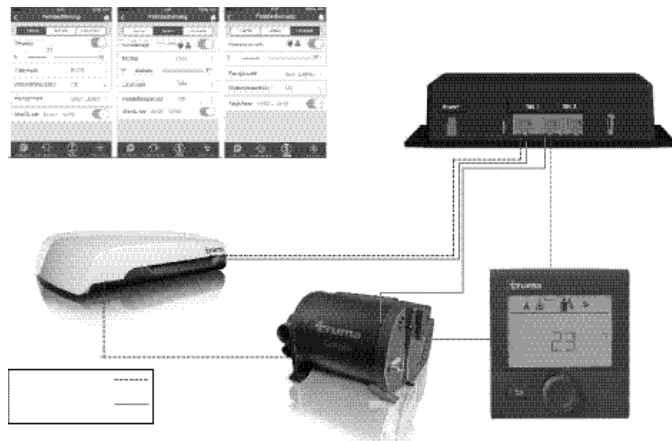


Figure 3

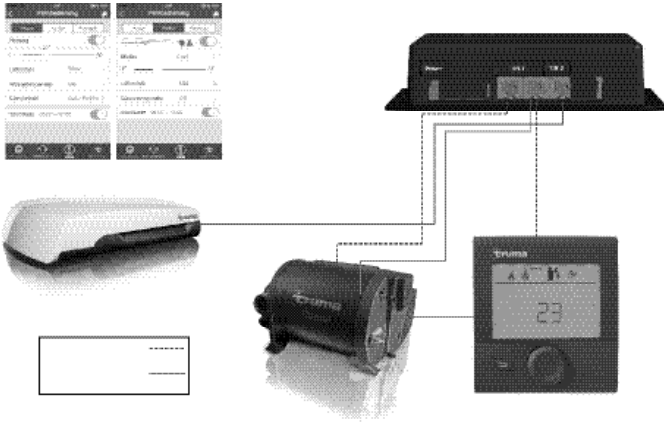


Figure 4

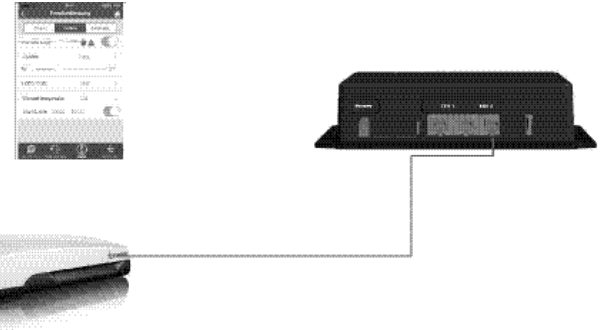


Figure 6

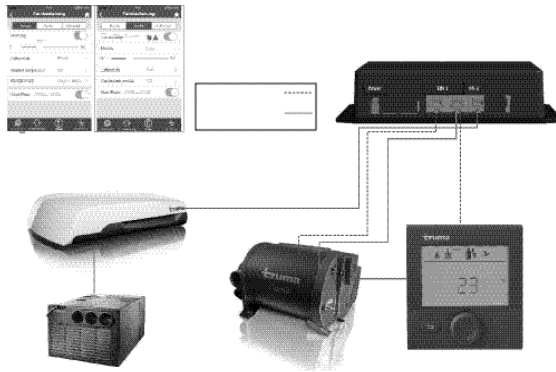


Figure 5

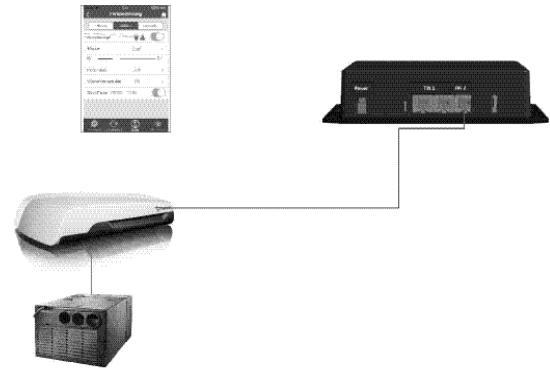


Figure 7

Assembly

Initial start-up should be carried out before starting assembly

- Download the app to the mobile phone
Establish the Bluetooth connection to the iNet Box
Search for the location with the best Bluetooth reception
- Establish the position of the iNet Box (safety clearance >20cm from people).
- Fix the iNet Box to the wall at the established position using the two adhesive strips (the surface must be clean and smooth).
- Lay the iNet Box cables clear of the 230 V cables (approx. 20 cm) .
- The cables must have strain relief.

Subject to technical changes.

D Bei Störungen wenden Sie sich bitte an das Truma Servicezentrum oder an einen unserer autorisierten Servicepartner (siehe www.truma.com).

Für eine rasche Bearbeitung halten Sie bitte Gerätetyp und Seriennummer (siehe Typenschild) bereit.

GB Should problems occur, please contact the Truma Service Centre or one of our authorised service partners (see www.truma.com).

In order to avoid delays, please have the unit model and serial number ready (see type plate).

F Veuillez vous adresser au centre de SAV Truma ou à un de nos partenaires de SAV agréés en cas de dysfonctionnements (voir www.truma.com).

Pour un traitement rapide de votre demande, veuillez tenir prêts le type d'appareil et le numéro de série (voir plaque signalétique).

I In caso di guasti rivolgersi al centro di assistenza Truma o a un nostro partner di assistenza autorizzato (consultare il sito www.truma.com).

Affinché la richiesta possa essere elaborata rapidamente, tenere a portata di mano il modello dell'apparecchio e il numero di matricola (vedere targa dati).

Truma Gerätetechnik GmbH & Co. KG
Wernher-von-Braun-Straße 12
85640 Putzbrunn
Deutschland

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service@truma.com
www.truma.com

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