



GEBÄUDETECHNIK
INTELLIGENT
GEREGELT

ta.co.at

C.M.I.

CONTROL AND MONITORING INTERFACE



Quick Guide:
Mounting and connection
Commissioning

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1. Delivery scope

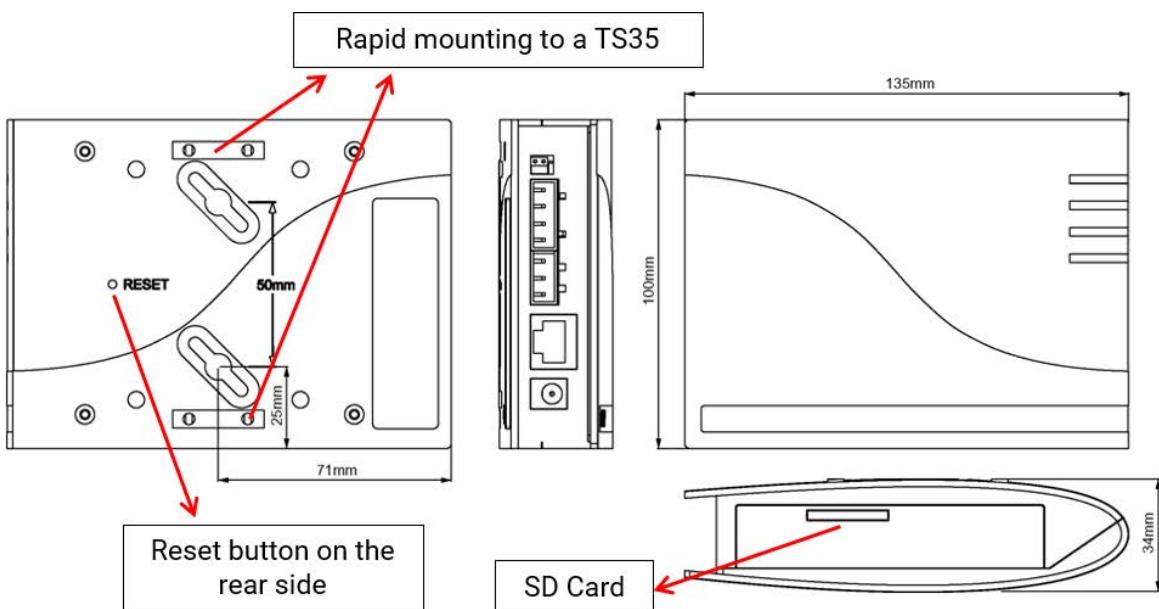
The delivery scope of the device includes the following parts:

- 1 pc. Control and Monitoring Interface C.M.I.
- 1 pc. SD card
- 1 pc. 4-pole plug for the CAN bus
- 1 pc. 3-pole plug for the DL bus
- 1 pc. Brief guide
- 1 pc. 12V power unit (only with model: 01/CMI-NT)

2. Mounting and connection

The C.M.I. can be assembled either with 2 screws on an even surface or with the enclosed rapid mounting to a TS35 DIN rail according to the EN 50022 Standard.

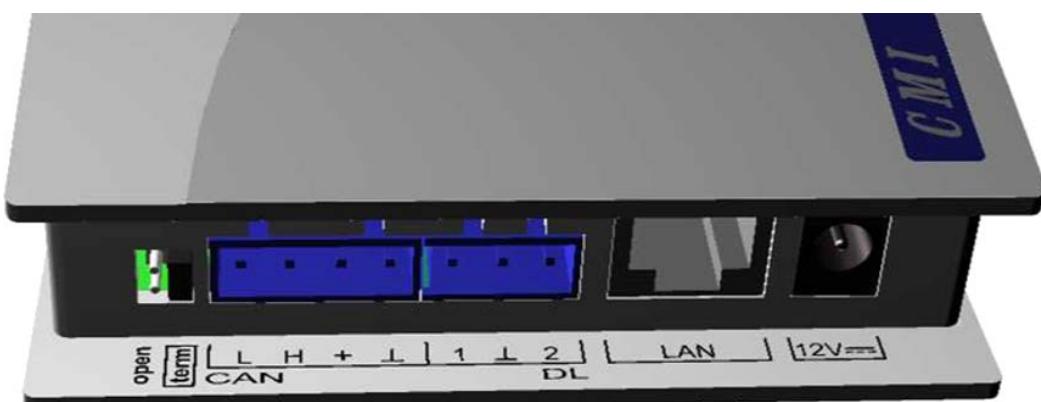
Dimensions:



2.1. Connections

Connections are labelled and must not be confused.

The following Figure also shows termination on the left (CAN bus).



Power consumption: typically 1,5W

2.2. Making the connections

Connections must be made in the following sequence

1. Connection LAN cable
2. Connection CAN bus or DL bus cable
3. Optional: power supply with power unit
(positive pole on the internal conductor, earth outside)



Die **POWER**-LED muss nun **dauerhaft grün** leuchten.

3. IP address

Access requires and IP address.

3.1. Network with DHCP server (standard)

The network settings are determined **automatically**.

3.2. Network without DHCP server

Direct connection between C.M.I. and Windows-PC

DHCP must be activated on the PC. Both PC and C.M.I. automatically get IP addresses this way. This process may take a few minutes.

3.3. Fixed IP address

1. Create a **text file** called **fix_ip.txt** with the required IP address and UTF-8 encoding in the root directory of the SD card. The content of this must be only and IP address (example: 192.168.0.10).
2. **Insert** the SD card into the C.M.I.
3. **During the next start**, the C.M.I. adopts this IP address and deletes the .txt file on the SD card.

The network settings must then be configures locally (C.M.I. menu Settings/Ethernet).

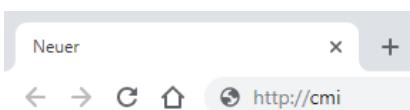
The fixed IP address can only be removed via a reset to factory settings. A new IP address can be assigned normally.

The **LAN** LED now has to **flash green** or **permanently light up green**.

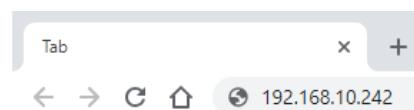
4. Access via browser

4.1. Access via LAN or port forwarding

1. Start **browser**.
2. **Entry in the address field** of the browser: **http://cmi** (factory settings, only in Windows) or the **IP address**

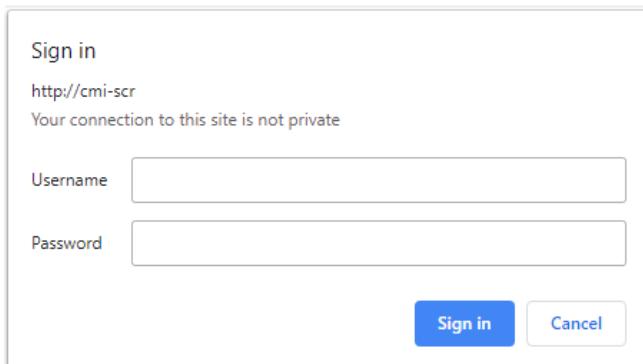


Entry **http://cmi**



Entry **IP address (example)**

3. Authentication: Enter username and password



Sign in
http://cmi-scr
Your connection to this site is not private

Username
Password

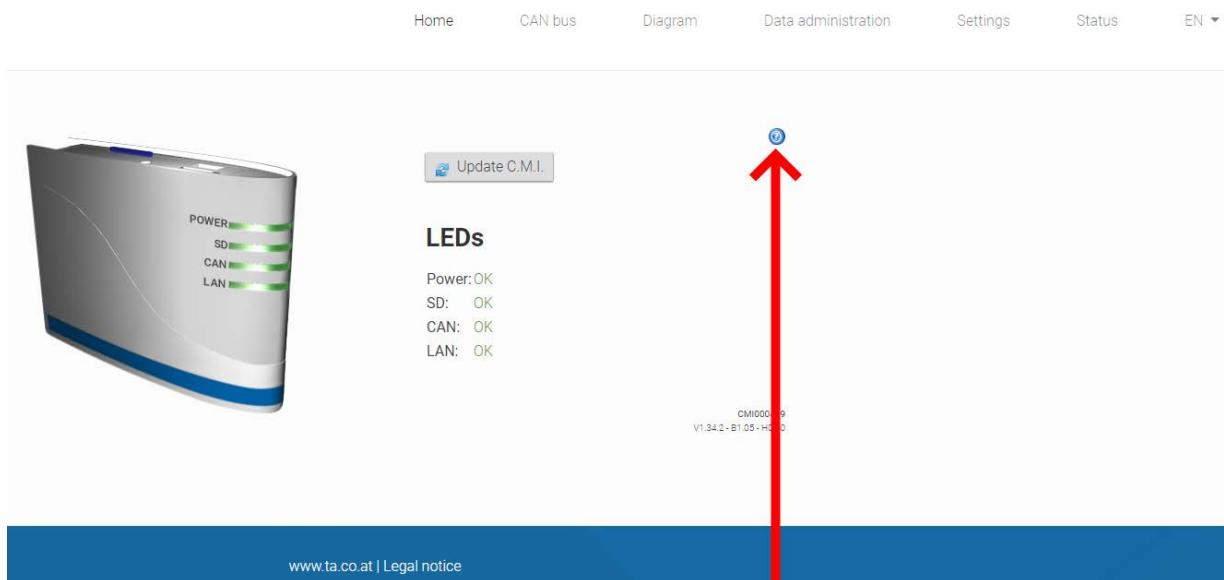
Sign in **Cancel**

The **factory-set** predefined username is **admin**, the password also **admin**.

Confirm with **Sign in**.

The language in this window depends the language settings in the PC's operating system or the browser.

4. Now the **menu** of the C.M.I. appears.



Home CAN bus Diagram Data administration Settings Status EN ▾

Update C.M.I.

LEDs

Power: OK
SD: OK
CAN: OK
LAN: OK

CM1000-9
V1.34.2-B1.05-HD-0

Additional instructions can be found in the online manual  (help.ta.co.at).

4.2. Access via C.M.I. web portal <https://cmi.ta.co.at>

For access via **internet**, the C.M.I. can be connected to the **C.M.I. web portal**. The web portal is a server set up by the *Technische Alternative* company.

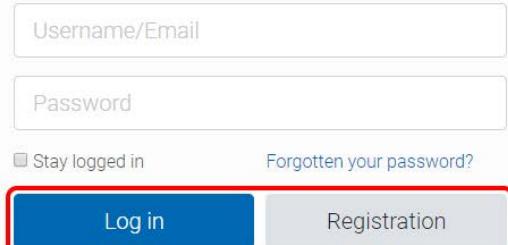
1. Select the address <https://cmi.ta.co.at> and click „**Log in**“ or „**Registration**“.

Welcome

This web portal is an interface between your web browser and your Control and Monitoring Interfaces. With no need for technologies such as Port Forwarding or VPN and without the installation of additional software, the portal allows you simple, internet-based access to your Control and Monitoring Interface via your web browser. No changes to your network settings are required.

You can additionally grant other users access to your Control and Monitoring Interface for configuration or maintenance purposes.

Login



Username/Email

Password

Stay logged in [Forgotten your password?](#)

Log in **Registration**

2. **Completing** the registration form and accepting the terms of use.

3. After completing registration, an e-mail with an activation link will be sent to the e-mail address used for registration. This process may take up to 30 minutes.

4. After clicking the link, the **landing page** of the web portal will be displayed.



Willkommen im C.M.I. - Webportal der Technische Alternative!

Dieses Webportal ist eine Schnittstelle zwischen Ihrem Webbrowser und der Oberfläche Ihres Control and Monitoring Interfaces. Ohne Technologien wie Port Forwarding oder VPN und ohne Installation von Zusatzsoftware ermöglicht es Ihnen mithilfe Ihres Webbrowsers einfachen internetbasierten Zugriff auf Ihr Control and Monitoring Interface. Änderungen an Ihren Netzwerkeinstellungen sind dazu nicht notwendig.

Darüber hinaus können Sie anderen Benutzern zu Konfigurations- oder Wartungszwecken Zugriff auf Ihr Control and Monitoring Interface gewähren.

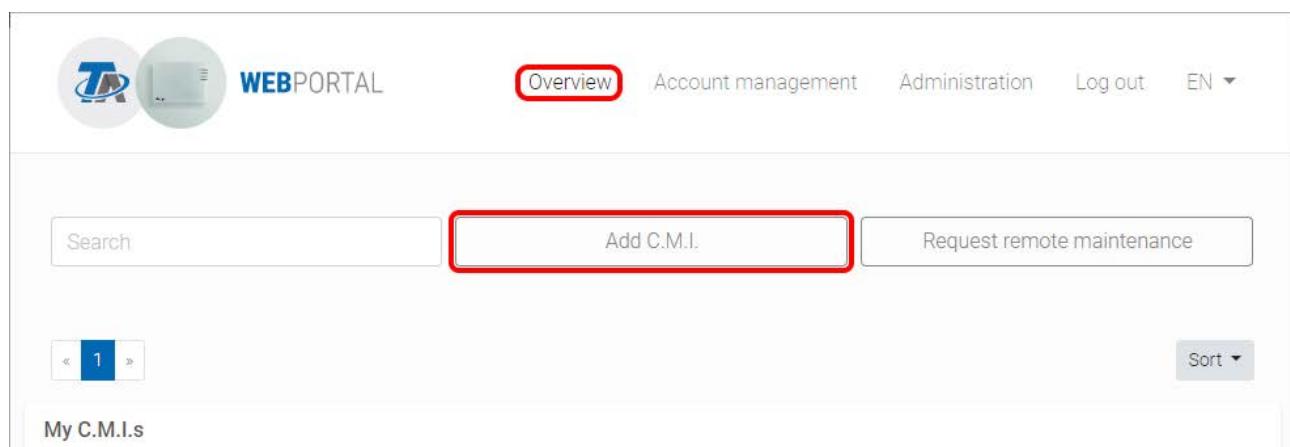
www.ta.co.at | ©2008-2017 Technische Alternative RT GmbH, Amaliendorf

Impressum

5. Adding the C.M.I. to the web portal.

Click the tab „Overview“

6. Click „Add C.M.I.“



WEBPORTAL

Overview Account management Administration Log out EN ▾

Search Add C.M.I. Request remote maintenance

« 1 » Sort ▾

My C.M.I.s

7. Enter the C.M.I.'s data

Add C.M.I.

Serial number

CMI123456

Key

12345678

My designation

My CMI

My description

CMI in my office

Allow support access for TA

Add

The **serial number** is on the rating plate rear of the device, the **key** is on the key label. The key must be entered **without spaces**.



Caution! All warranty becomes void if the rating plate or key label are removed.

The „**designation**“ helps with distinguishing several owned C.M.I.s and is visible in the list of „**My C.M.I.s**“. If service by the **super user** (e.g. the *Technische Alternative* company) is to be allowed at **all time**, the appropriate field should be checked.

8. After updating the page, C.M.I. appears in the list „**My C.M.I.s**“.

WEBPORTAL

Search

Add C.M.I.

Request remote maintenance

1

Sort ▾

My C.M.I.s

CMI000499 CMI-ScR

V: 1.34.2

Clicking the **serial number** takes you to the C.M.I. menu

5. Resetting and loading of factory settings

Briefly pressing the reset key on the rear of the C.M.I. restarts the C.M.I.

The C.M.I. can also be restarted (rest) by unplugging the CAN bus connection/power supply and plugging it back in.

If the reset button is pressed and released while the red LEDs are still illuminated, the device is reset to factory settings.

Caution: Holding down the reset button until the red LEDs are no longer illuminated starts a firmware update using the C.M.I. firmware data saved on the SD card. Up to the boot sector 1.04, the firmware files in the folder „**UPDATE**“ on the SD card must be named „**CMI.BIN**“. From boot sector 1.05 onwards, it must be called „**FIRMWARE.cmi**“. The boot sector can be identified by the four red LEDs, which begin to glow faintly when the device is started.

6. C.M.I. App

To access the C.M.I. via smartphone, a mobile app is available for free in the Play Store and Apple's App Store. This emulated the access via PC.



C.M.I.
Technische Alternative RT GmbH Tools
3 PEGI 3
★★★★★ 123

Android



C.M.I. 4+
Technische Alternative RT GmbH
Gratis

iOS

Subject to technical modifications as well as typographical and printing errors. This manual is only valid for devices with the corresponding firmware version. Our products are subject to constant technical advancement and further development. We therefore reserve the right to make changes without prior notice.

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EU Declaration of conformity

Document-No. / Date: TA17021 / 02.02.2017
Company / Manufacturer: Technische Alternative RT GmbH
Address: A-3872 Amaliendorf, Langestraße 124

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Product name: CMI, CMI-S
Product brand: Technische Alternative RT GmbH
Product description: Control and Monitoring Interface

The object of the declaration described above is in conformity with Directives:

2014/35/EU Low voltage standard
2014/30/EU (11/09/2018) Electromagnetic compatibility
2011/65/EU (01/10/2022) RoHS Restriction of the use of certain hazardous substances

Employed standards:

EN 60730-1: 2011	Automatic electrical controls for household and similar use – Part 1: General requirements
EN 61000-6-3: 2007 +A1: 2011 +AC2012	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
EN 61000-6-2: 2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 50581: 2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Position of CE - label: On packaging, manual and type label



Issuer: Technische Alternative RT GmbH
A-3872 Amaliendorf, Langestraße 124

This declaration is submitted by

A handwritten signature in black ink, appearing to read 'Schneider Andreas'.

Dipl.-Ing. Andreas Schneider, General manager,
02.02.2017

This declaration certifies the agreement with the named standards, contains however no warranty of characteristics.

The security advices of included product documents are to be considered.

Warranty conditions

Note: The following warranty conditions do not in any way limit the legal right to warranty, but rather expand your rights as a consumer.

1. The company Technische Alternative RT GmbH provides a one-year warranty from the date of purchase for all the devices and parts which it sells. Defects must be reported immediately upon detection and within the guarantee period. Technical support knows the correct solution for nearly all problems. In this respect, contacting us immediately will help to avoid unnecessary expense or effort in troubleshooting.
2. The warranty includes the free of charge repair (but not the cost of on site troubleshooting, removal, refitting and shipping) of operational and material defects which impair operation. In the event that a repair is not, for reasons of cost, worthwhile according to the assessment of the Technische Alternative company, the goods will be replaced.
3. Not included is damage resulting from the effects of over-voltage or abnormal ambient conditions. Likewise, no warranty liability can be accepted if the device defect is due to: transport damage for which we are not responsible, incorrect installation and assembly, incorrect use, disregard of operating and installation instructions or incorrect maintenance.
4. The warranty claim will expire, if repairs or actions are carried out by persons who are not authorised to do so or have not been so authorised by us or if our devices are operated with spare, supplementary or accessory parts which are not considered to be original parts.
5. The defective parts must be sent to our factory with an enclosed copy of the proof of purchase and a precise description of the defect. Processing is accelerated if an RMA number is applied for via our home page www.ta.co.at. A prior clarification of the defect with our technical support is necessary.
6. Services provided under warranty result neither in an extension of the warranty period nor in a resetting of the warranty period. The warranty period for fitted parts ends with the warranty period of the whole device.
7. Extended or other claims, especially those for compensation for damage other than to the device itself are, insofar as a liability is not legally required, excluded.

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