Software update of the MENNEKES ACU MENNEKES (device version v4) TLS 1.2

The requirements for secure encrypted communication to a backend system increasingly require encryption with TLS 1.2 or higher. Due to the size of the software update package, the software update of the operating system and the software of the MENNEKES ACU V4 (red housing) can only be performed on site via direct connection. Updating the software from the network or from the backend is not possible.

1 The software update package and further assistance can be requested by e-mail (see chapter "Download software update package." on page 2.).

- To install the software update, the user needs a laptop with administration rights, in order to change network settings if necessary.
- The software update is only possible from software version 3482.
- The Windows 10 operating system is used in this description. The illustrations and the user procedure may differ from this description depending on the operating system used.

This software update is only released for the ACU device version v4 (red housing). Ť The software update must not be installed on an ACU device version v3 (white housing)!





MY POWER CONNECTION

Fig. 1: ACU (device version v4)

1

Fig. 2: ACU (device version v3)



1. Get software update package

1.1 Request software update package from MENNEKES by e-mail

Request the software update package by e-mail: Minimum information in the e-mail:

emobility.support@MENNEKES.de

Full name Company Street and house number Post code, location

1.2 Download software update package

- Open e-mail from emobility.support@MENNEKES.de.
- Click link to software update package.
- Authenticate with password from the e-mail.
- Download software update package.
- Unpack the software update package (will be required later for installation).

2. Establish connection with the ACU

■ The user needs administration rights on the laptop.

2.1 Configure network settings

- ▶ Right-click the Windows icon.
- In the context menu, select "Run".
- Enter "ncpa.cpl" in the new window.
- Confirm by clicking "OK".

🖅 Run	×			
٨	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.			
<u>O</u> pen:	ncpa.cpl ~			
	OK Cancel <u>B</u> rowse			



- Open Ethernet properties by double-clicking.
- Select "Internet protocol, Version 4".
- Open properties by clicking "Properties".



If the IP address of the Ethernet port differs from the standard IP address, enter the differing IP address range here. The default IP address range of the ETHO interface is used in this example.

- Enter data and confirm by clicking "OK":
- IP address "192.168.0.21"
- Subnet mask "255.255.255.0"

General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to esk your network administrator for the appropriate IP settings.
Obten an IP address submatcally Dadress: Dadress: Dadress: Data is a dress address address: Data is adress; Obten Ditis enver address address: Petered DKS server: Address DKS server:
Validate settings upon exit Advenced
OK Cancel



2.2 Establish cable connection

- Open charging station or eMobility-Gateway (see operating and installation manual).
- Connect the preconfigured laptop to the ACU of the charging station or to the ACU of the eMobility-Gateway using a network cable.

The direct connection can be made on the following interfaces:

- On the Ethernet socket (RJ45) located in the charging column to the right of the meters (see Fig. 3).
- On the Ethernet port ETH0 of the ACU (see Fig. 4).



Fig. 3: Ethernet socket (RJ45)



Fig. 4: Ethernet port "ETH0" on the ACU v4



It AcuUpdater.exe

3. Install software update

3.1 Execute the file "AcuUpdater.exe"

Open the downloaded and unpacked software update.

If an individual IP address has been assigned and differs from the standard IP address, the individual IP address must be entered under "Different IP address" before starting the software update.

- Execute the file "AcuUpdater.exe" by double-clicking.
- Start the software update by pressing "Start Update".

× いか ACU v4 Updater Version 1.0.0.0 Configuration 🖊 MENNEKES Use standard IP address MY POWER CONNECTION Use different IP address: Enter IP address Info English Start Update Progress The program is ready to start 100 ;-----,0001 ,.....

i

The software update is executed. This can take more than 10 minutes. Following the software update, the ACU is restarted.

ACU v4 Updater Version 1.0.0.0			- 🗆 X
Configuration Use standard IP address Use different IP address: 19	92.168.0.52	MY POWER	INEKES CONNECTION
rogress		English ^v Ir	fo Start Update
2	The update was su	ccessful	
о жõ		V 🗆	**
<u> </u>	Updat		,
(1000) (1000) (1000)		The update was successfu The ACU will be accessible	l! again in 2 minutes.
			ОК

After a successful restart of the ACU, the TLS 1.2 encryption and the new software are installed, together with the new functions. The original configuration is retained.