

Setting Up Inverter for Commissioning

Before the Commissioning of a PV Plant and the connection to AC Grid, Inverters must be configured.

- ✓ Set the Country Code of Installation
- ✓ Set the Date
- ✓ Set the Time

This can be done through:

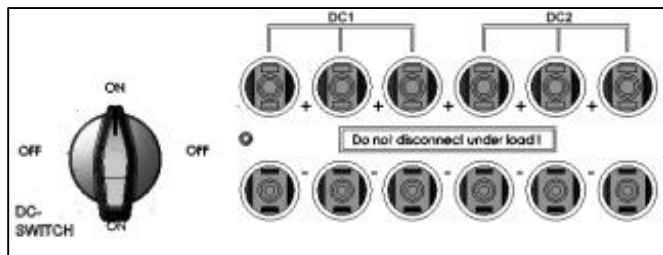
1. Control Panel of the Inverter or
2. REFUset Configuration Tool



Set Up through Control Panel

Activate the Inverter

- Turn DC Switch to ON position



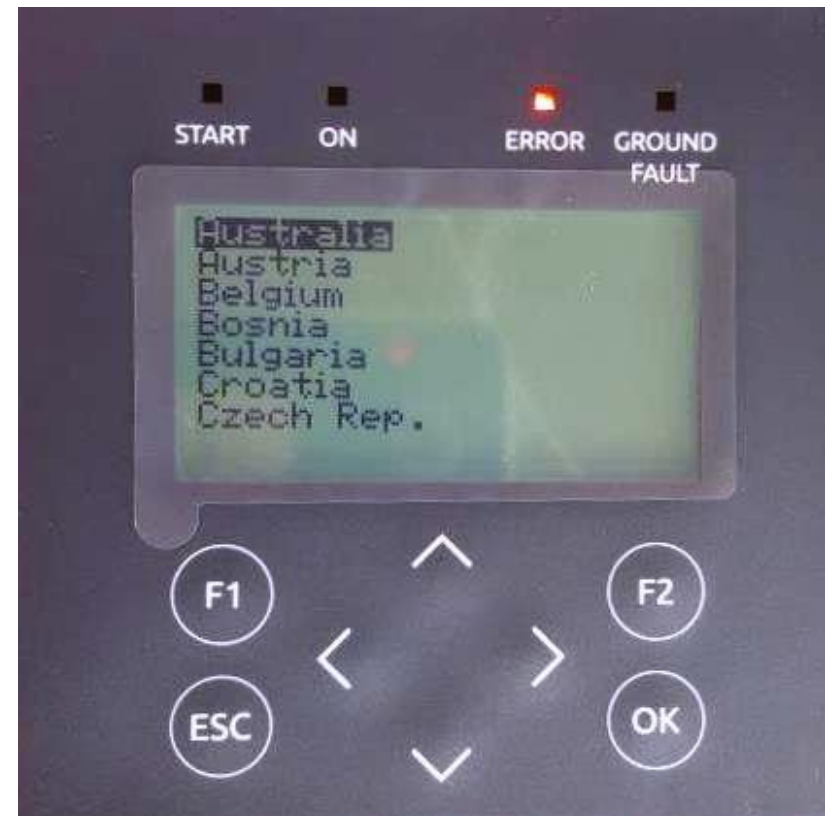
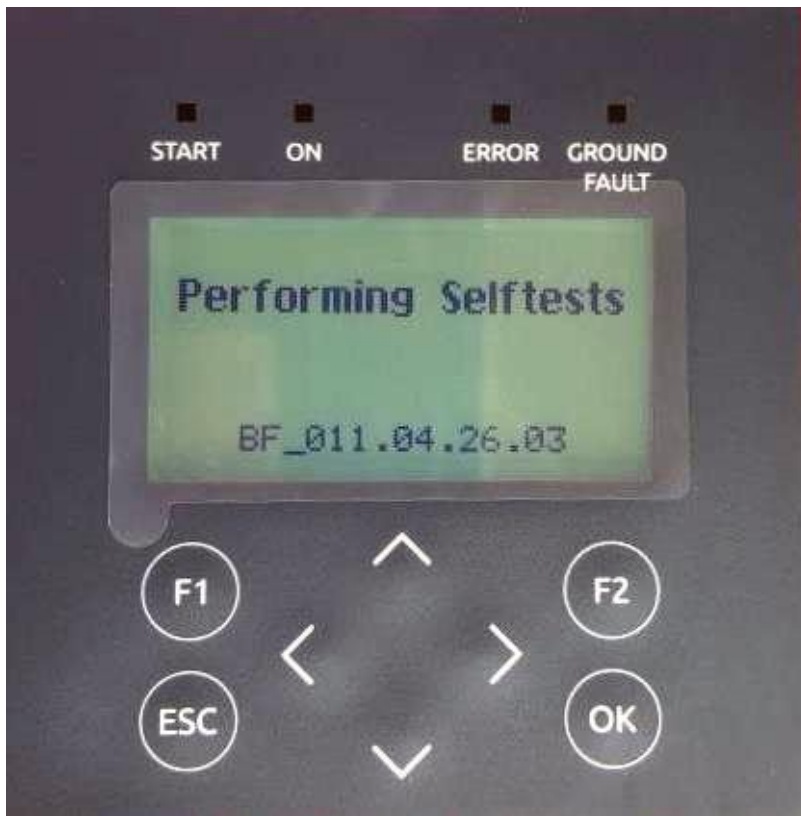
REFUsol 08K...23K IEC



REFUsol 40K...46K Gen2 IEC

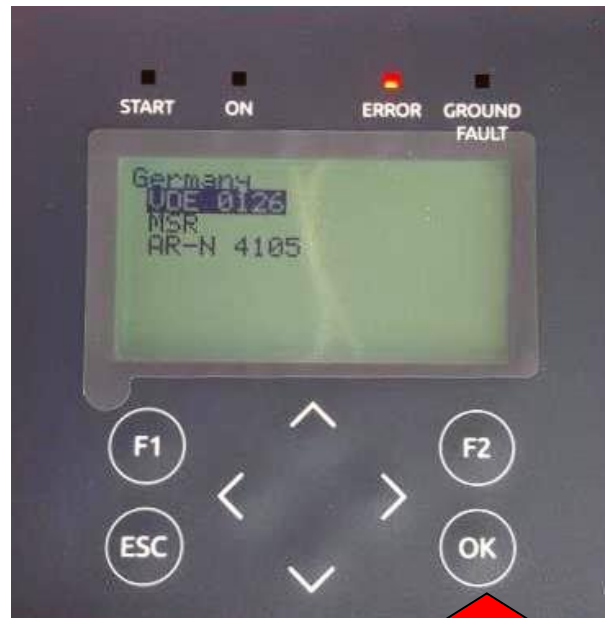
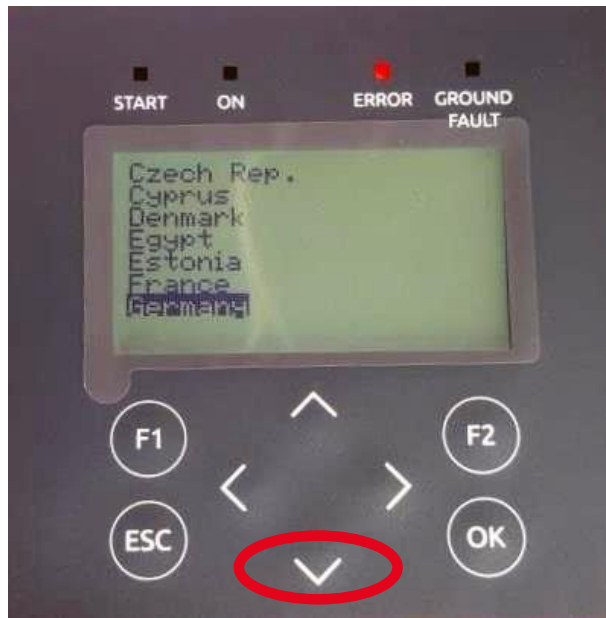
Set Up through Control Panel

➤ Display is showing the following



Set Up through Control Panel

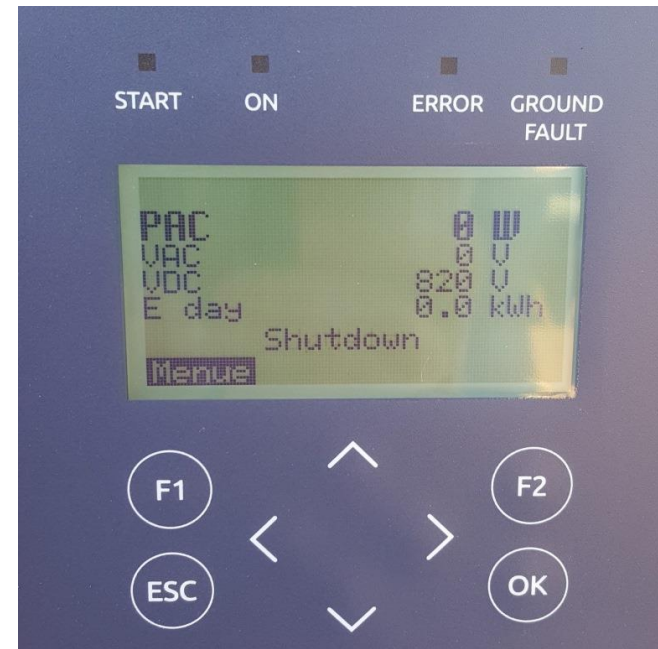
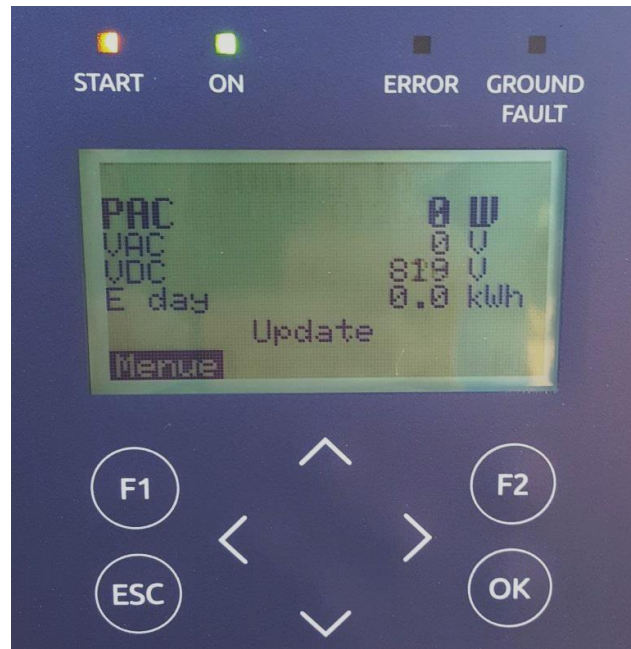
Setting Country Code



1. Scroll with the “Down” arrow till you find the Country of Installation. Then Press OK button to confirm
2. If needed choose the “Feed Guideline” given by the Supplier and Press OK once more
3. Press OK to confirm

Set Up through Control Panel

Setting Country Code



- Inverter is setting the Country Code and restarts

Note: After setting the Country Code it can only be changed within 40 hours

Set Up through Control Panel

Setting Date / Time

- After the Display is showing the following



- Use the Navigation Arrows to set the correct Date & Time and then Press OK

Set Up through Control Panel

➤ Turn the AC Switch to ON position

✓ Your Inverter is ready for Commissioning!

Set Up through REFUset

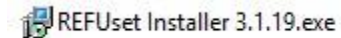
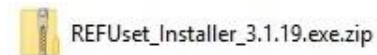
Visit our Site: www.refu-sol.com and go to our Download area:
<http://refu-sol.com/en/photovoltaic-inverter/downloads/>

Download REFUset Tool:

Software

REFUset: configuration tool for REFU*sol* inverter

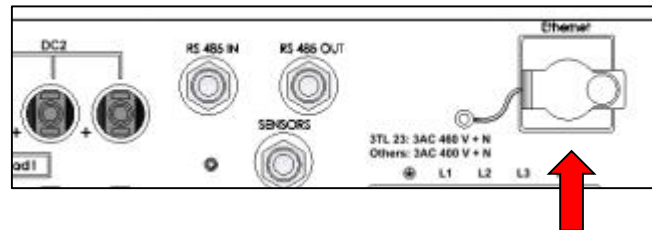
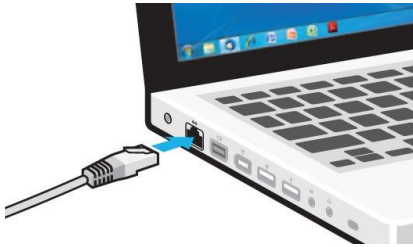
- Save the “zip” file on your PC
- Open the REFUset “zip” file and extract the installation “exe” file on your PC
- Run the REFUset “exe” file and follow the instructions in order to install it on your PC



Set Up through REFUset

Connect your Laptop to the Inverter

- Connect your Laptop to Inverter's Ethernet Port with an Ethernet Cable



REFU sol 08K...23K IEC



REFU sol 40K...46K Gen2 IEC

Set Up through REFUset

Run the Program

- Double click on the Desktop icon to launch REFUset



The connection window opens

- Select the Factory / Default IP Address of the Inverter: 192.168.130.30
- Click “Ok” icon

*Note: PC and Inverter must be on the same Network
(Set the Local IP address of your Laptop to a similar, e.g. 192.168.130.31)*

A screenshot of the REFUset application window. The window title is 'REFUset'. It has a 'Connect method' dropdown menu set to 'Static'. Under the 'Interface' section, the 'Ethernet' radio button is selected. The 'IP address' field is filled with '192 . 168 . 130 . 30'. The 'Host name' field is empty. The 'TCP port' field is set to '21062'. The 'COM' radio button is unselected, and its 'Port' field is empty. Under the 'Protocol' section, the 'USS address' field is set to '0'. At the bottom right, there are 'Ok' and 'Cancel' buttons.

- REFUset is connecting to Inverter

Save

Status: Connection in progress

Connecting...

Set Up through REFUset

Set Date / Time

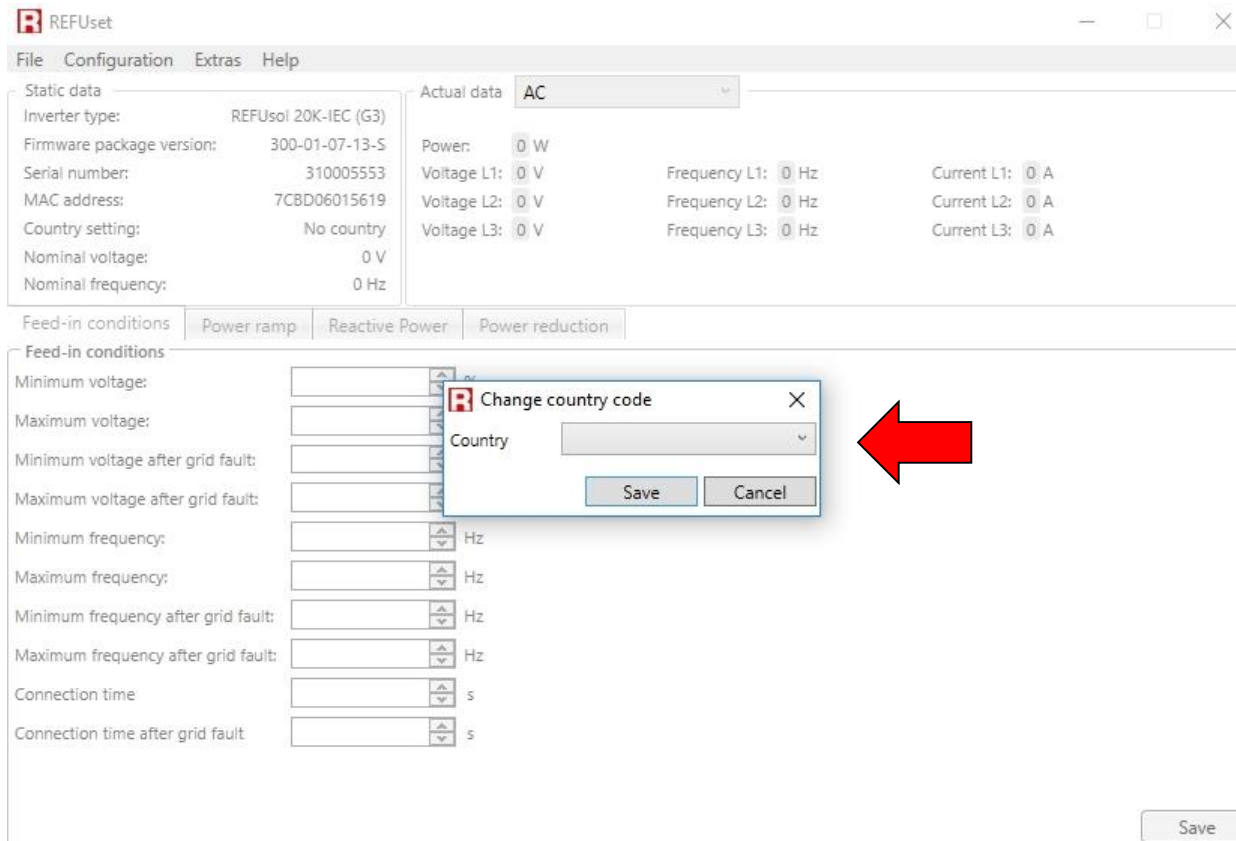
- When REFUset connects to the Inverter a window will open in order to set the Inverter's Date & Time to your computer's settings

The image displays two screenshots of the REFUset software interface. The first screenshot shows the 'Set inverter time' dialog box, which asks 'Do you want to set the inverter time to computer time?' and displays the current inverter time as 07:10:19.70. A red arrow points to the 'Ok' button. The second screenshot shows the 'REFUset' window with a confirmation message: 'Inverter time set to 07.12.2016 10:44:59'. A red arrow points to the 'OK' button in this message box. The background shows the main configuration window with various settings for the inverter, including static data, feed-in conditions, and power ramp settings.

Set Up through REFUset

Set Country Code

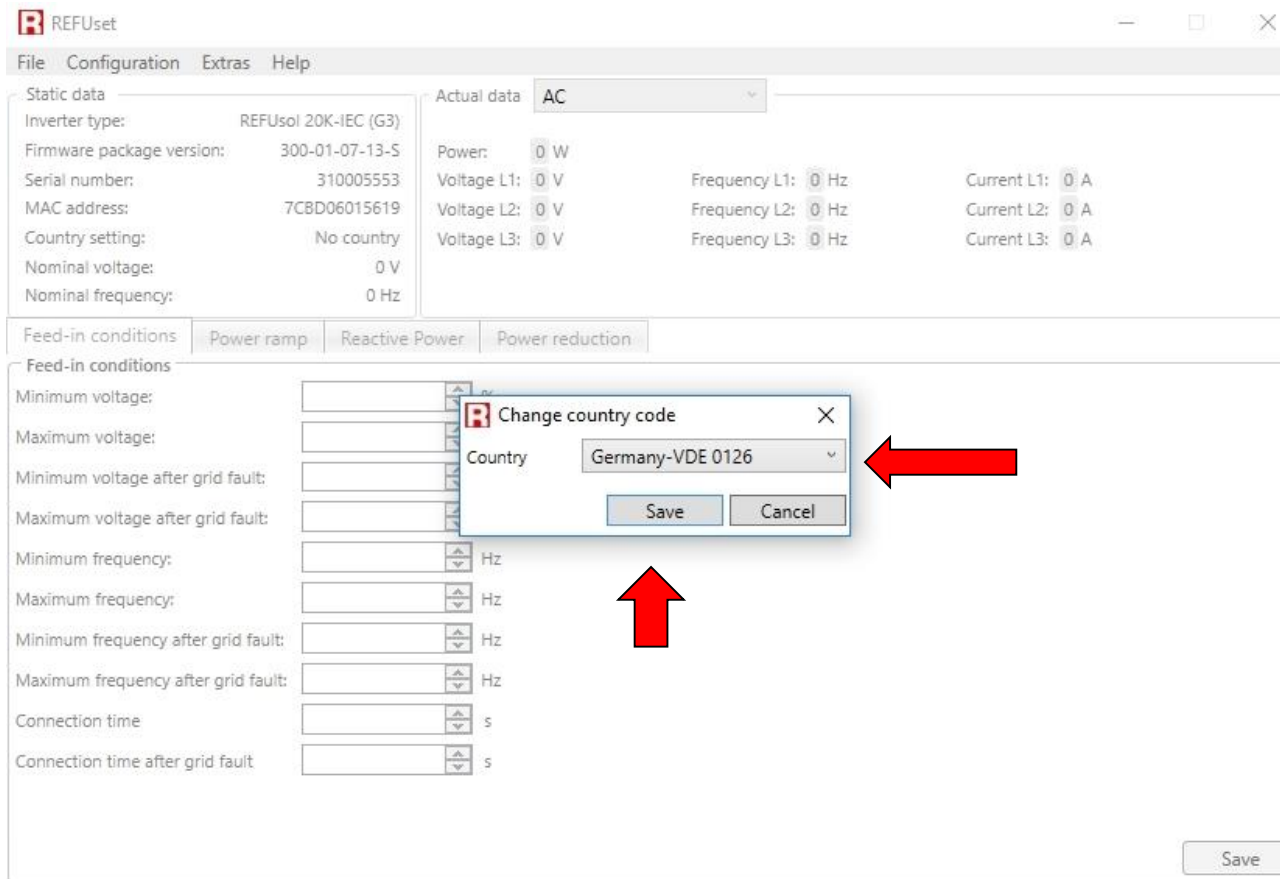
- After a Window appears in order to set the Country Code



Set Up through REFUset

Set Country Code

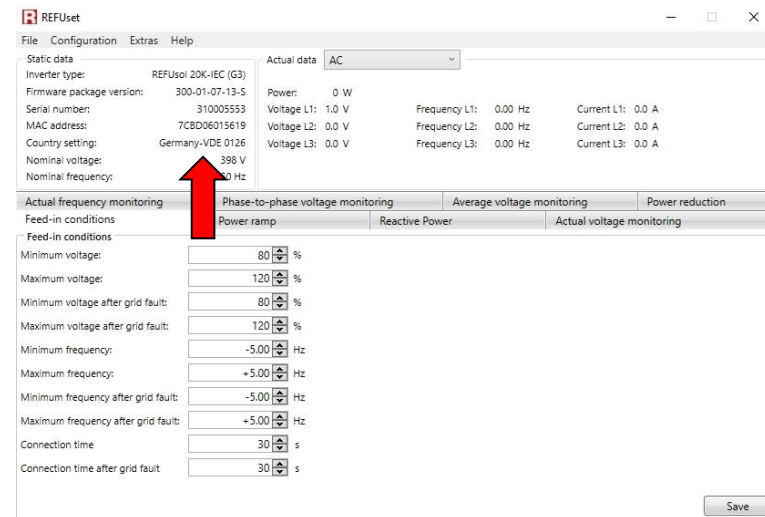
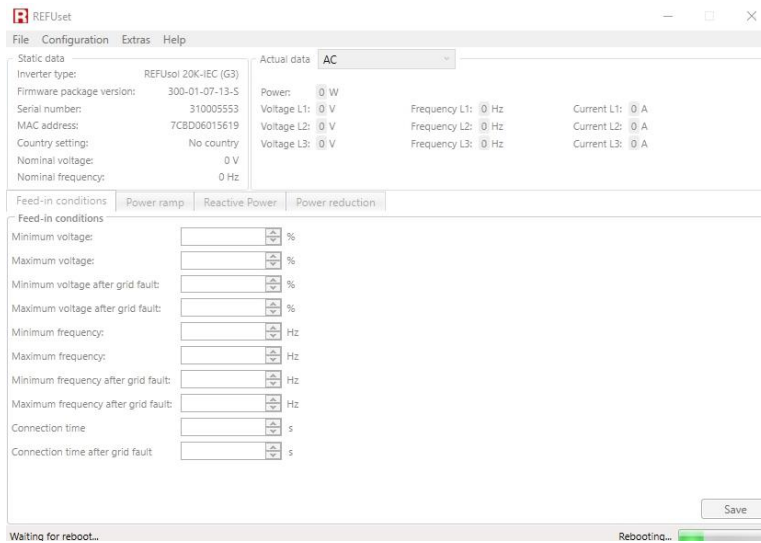
- Scroll down till you find the Country of Installation



Set Up through REFUset

Set Country Code

- REFUset will reconnect and then the Country Code you selected will appear



✓ Your Inverter is ready for Commissioning!

Note: After setting the Country Code it can only be changed within 40 hours

These instructions are additional to the operating manual that you can find at our download area of our site at:

<http://refu-sol.com/en/photovoltaic-inverter/downloads/>

To contact our Technical Support team, please use this link: service@refu-sol.com

We provide you with advice and support by telephone Monday to Thursday 9 a.m. and 5 p.m., Friday 9 a.m. to 4 p.m. CET.

Please call +49 7121 4332-333

