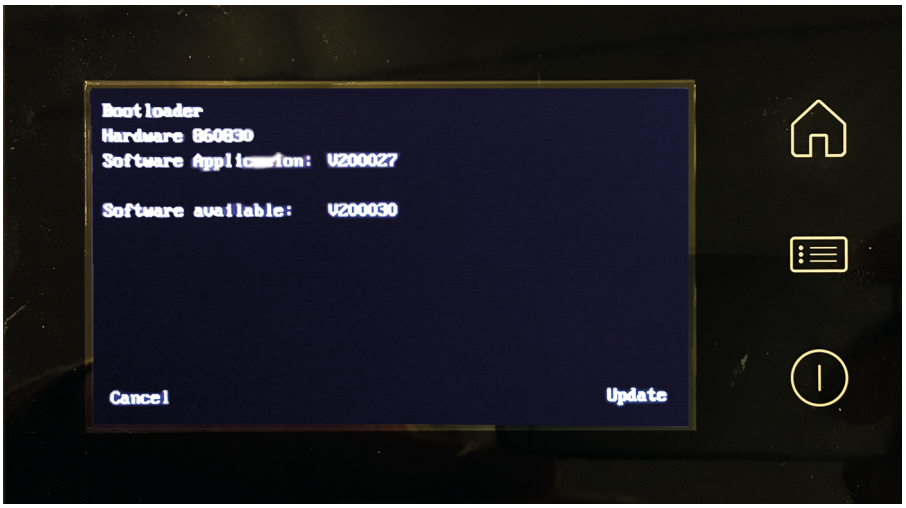
DOMETIC

POWER & CONTROL CONNECT



Dometic Control Panel

EN

Software Update
Service manual

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You agree to use this product only for the intended purpose and application and in accordance with the instructions, guidelines and warnings as set forth in this product manual as well as in accordance with all applicable laws and regulations.

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This product manual, including the instructions, guidelines and warnings, and related documentation may be subject to changes and updates. For up-to-date product information, please visit: documents.dometic.com, dometic.com.

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1 Explanation of symbols



NOTICE!
Indicates a situation that, if not avoided, can result in property damage.



NOTE
Supplementary information for operating the product.

2 Intended use

The Dometic Control Panel (DCP) is the control unit in a system for the central monitoring and controlling of CI BUS-based vehicle technology in recreational vehicles.

The operating system of the DCP can be updated via a micro SD card slot on the backside of the panel.

This product is only suitable for the intended purpose and application in accordance with this instruction. Any other use, deviating from the intended use, is not allowed! Dometic accepts no liability for any loss, damage or injury incurred, directly or indirectly due to other as the intended use.

3 Preparing the update

To prepare the DCP operating system update you need:

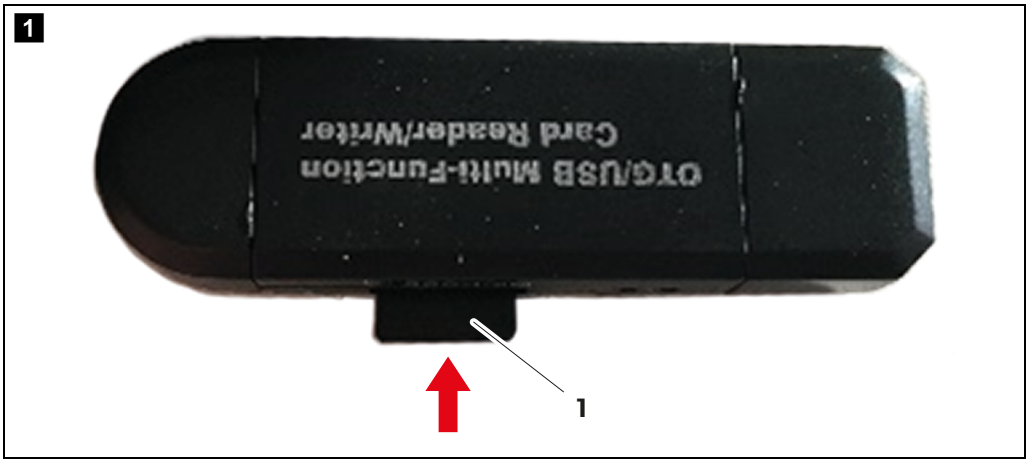
- a computer with Windows operating system
- a micro SD card with enough storage capacity (> 100 MB)
- the current Windows tool “Win32 Disk Imager”
- the DCP operating system update provided by the original equipment manufacturer

NOTE

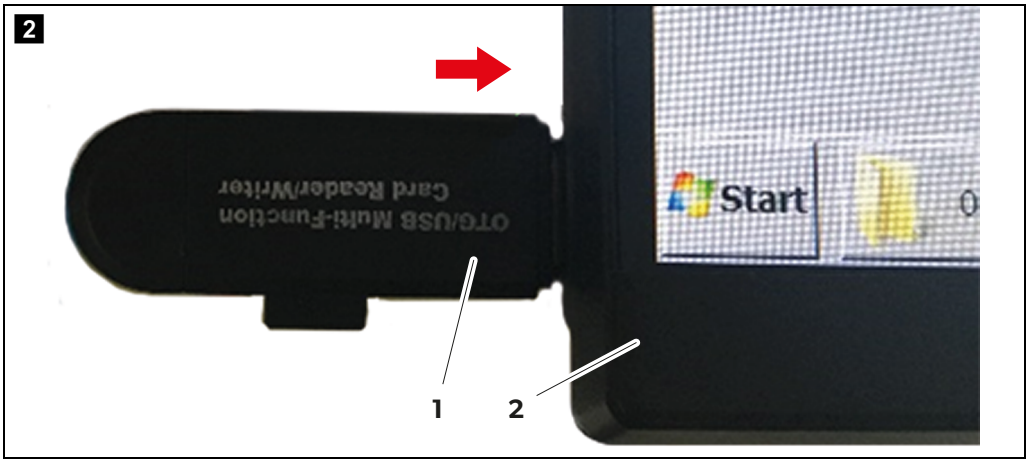
- If your computer does not have a micro SD card slot, you can use a micro SD card reader as adapter.
- You can get the current “Win32 Disk Imager” software at: https://sourceforge.net/projects/win32diskimager/

3.1 Flashing the update to a micro SD card

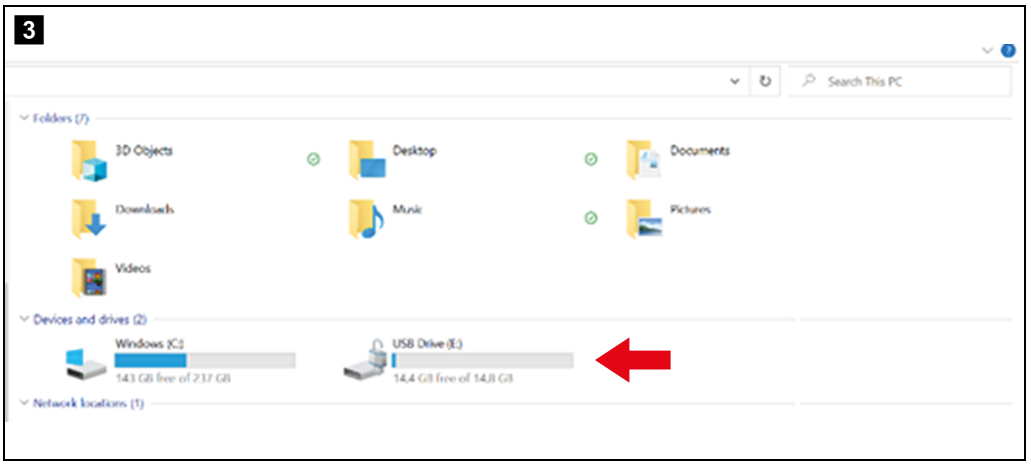
To flash the software update proceed as follows:



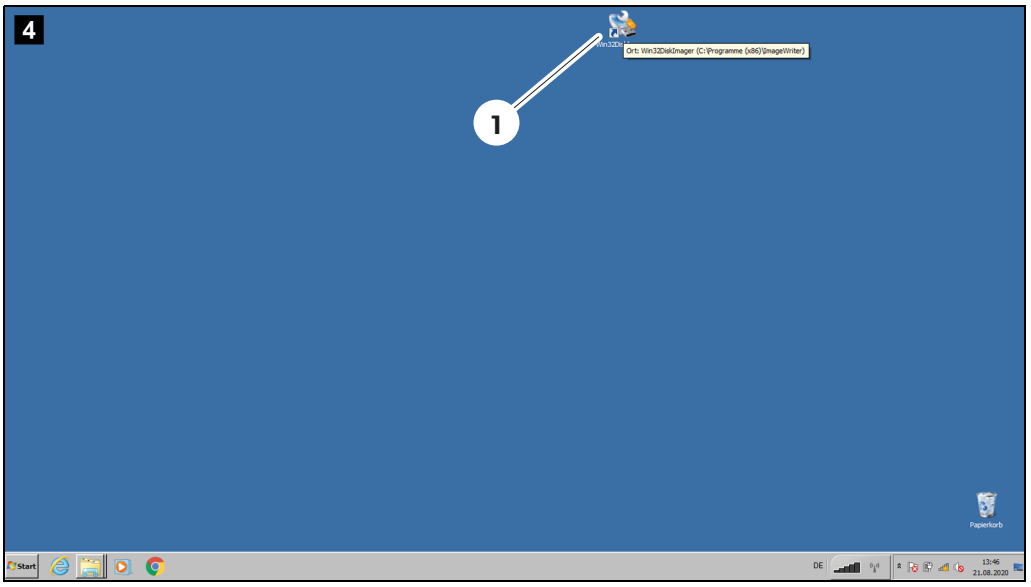
➤ Insert the micro SD card (1) into the card reader.



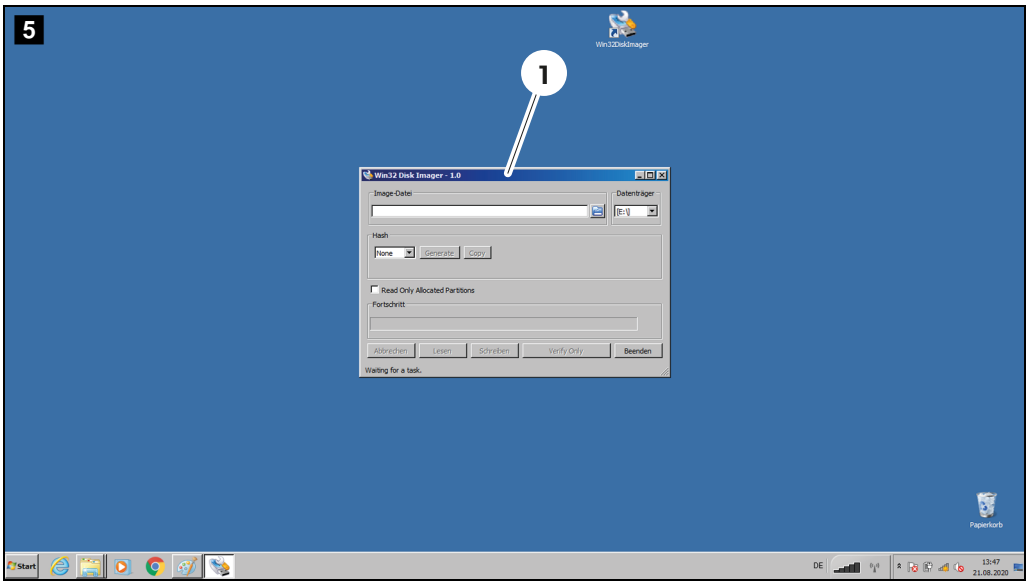
➤ Connect the card reader (1) to the computer (2).



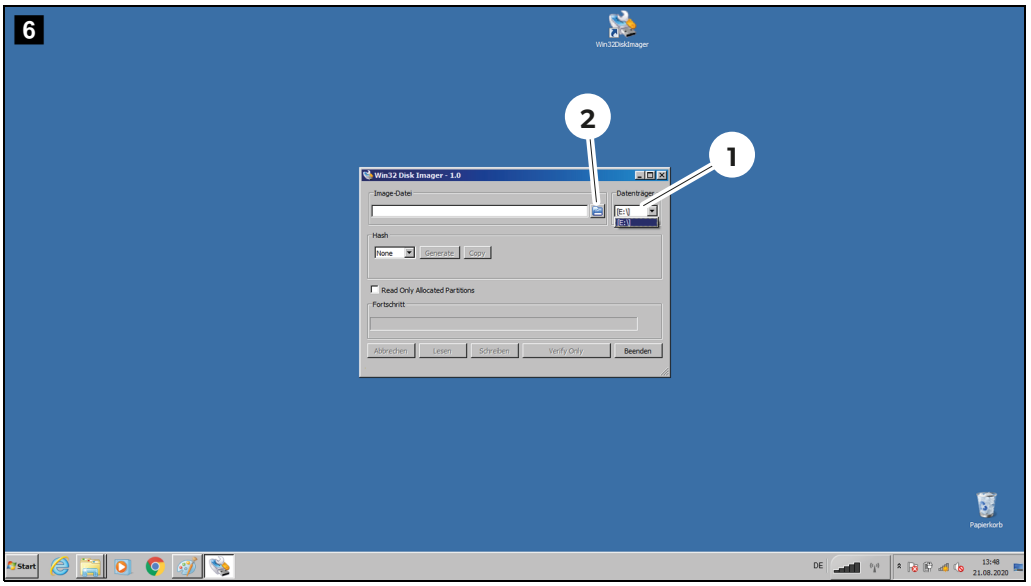
➤ Check if the card reader has been recognized by the computer.



➤ Open the tool “Win32 Disk Imager” (1).

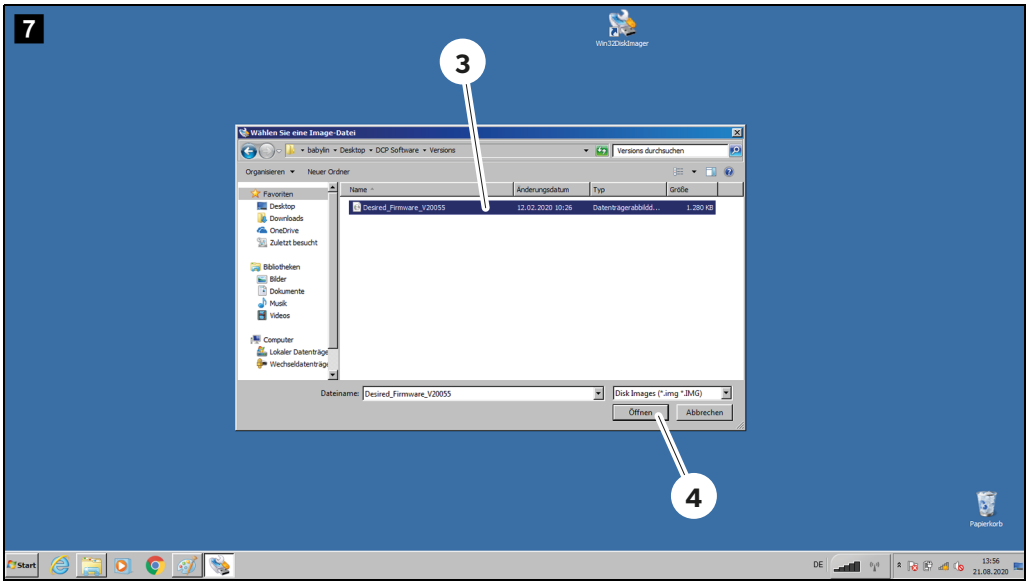


✓ “Win32 Disk Imager” (1) starts.



➤ Select the card readers drive letter (1).

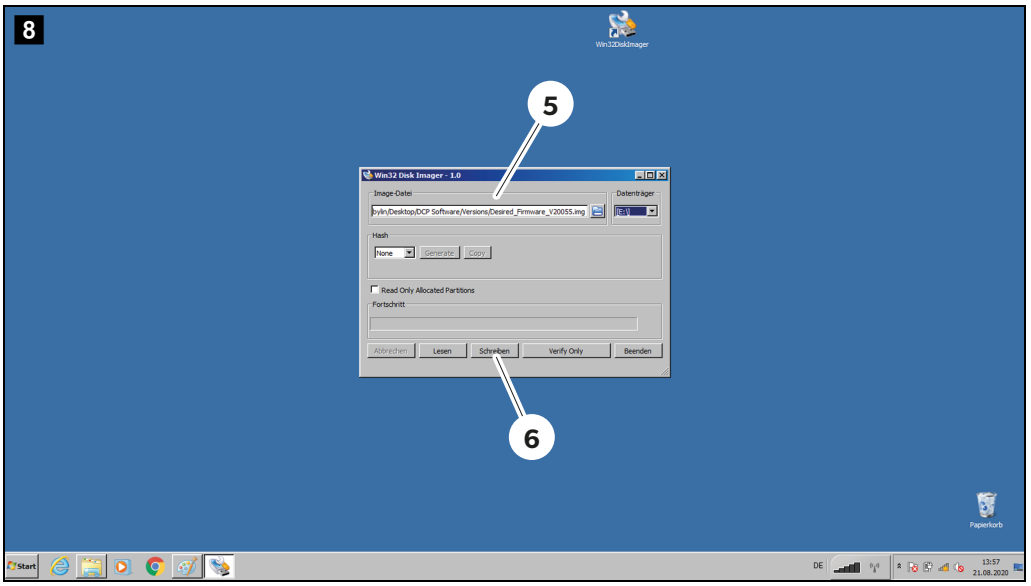
➤ Click on the folder (2) to search for the path to the DCP software update.



✓ A new window opens.

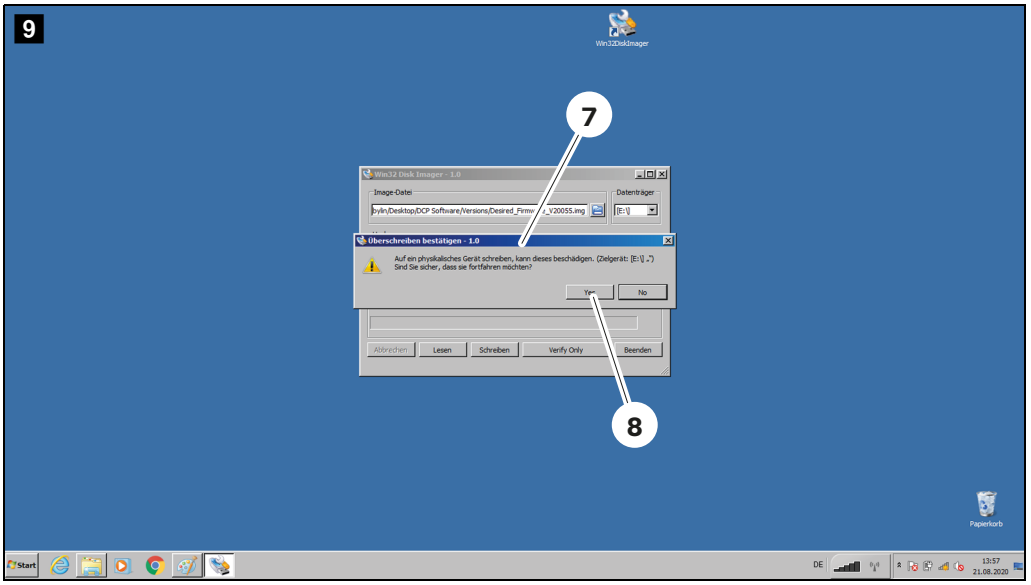
➤ Select the file (3) to the DCP software update.

➤ Click on the button “Open” (4).



✓ The path to the DCP software update is now selected (5).

➤ Click on the button “Write” (6).

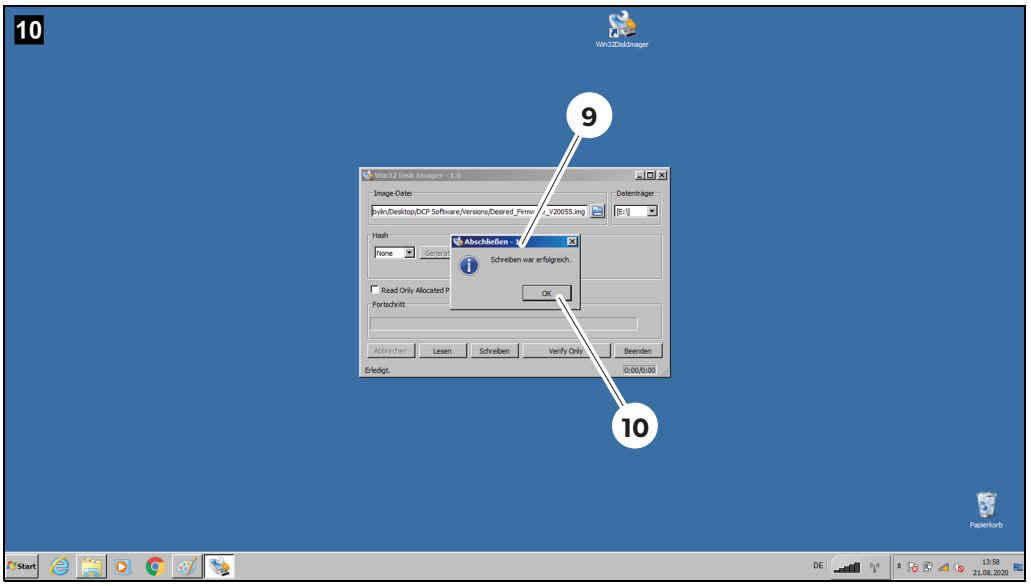


✓ A security query will appear (7).

➤ Click on the button “Yes” (8) to confirm.

✓ The DCP software update is being written onto the mirco SD card.

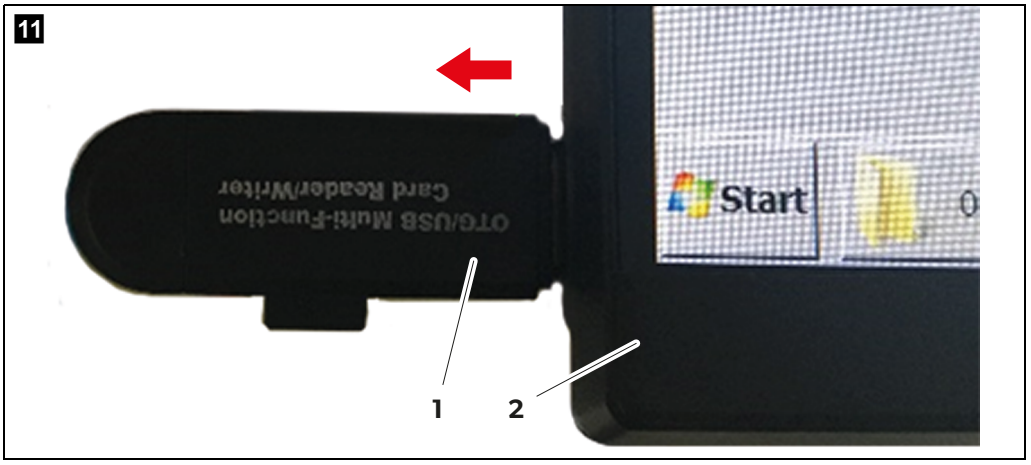
10



✓ A successful flashing of the software will be announced (9).

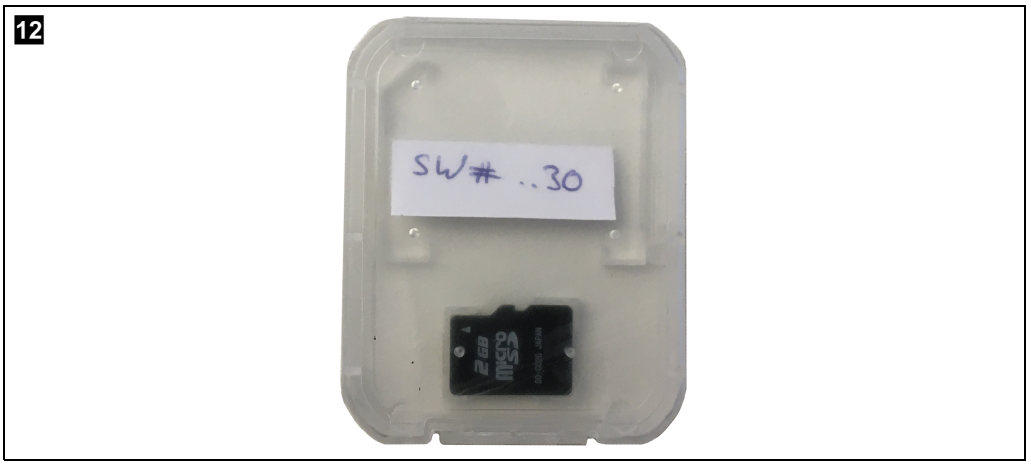
➤ Click “Ok” to confirm (10).

11



➤ Remove the card reader (1) from the computer (2).

12



➤ Securely store the micro SD card with a note of the DCP software update version number.

3.2 Necessary tools

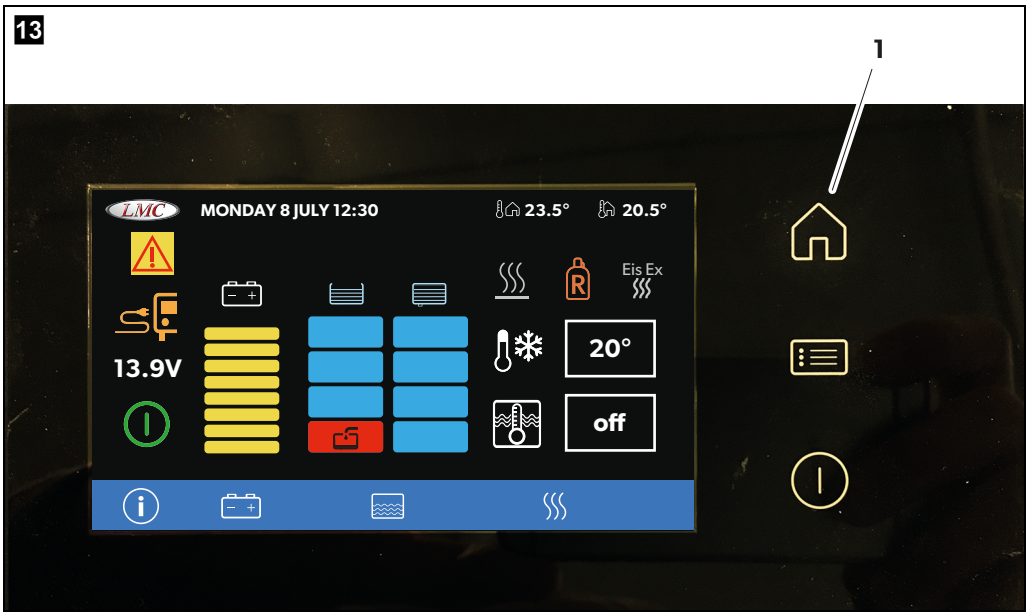
NOTICE!
Use appropriate tools and precautions to prevent damage from voltage jumps when working on electronics.

To remove the display you need appropriated tools, for example:

- a plastic wedge
- a flat-headed screwdriver

4 Updating the DCP operating software

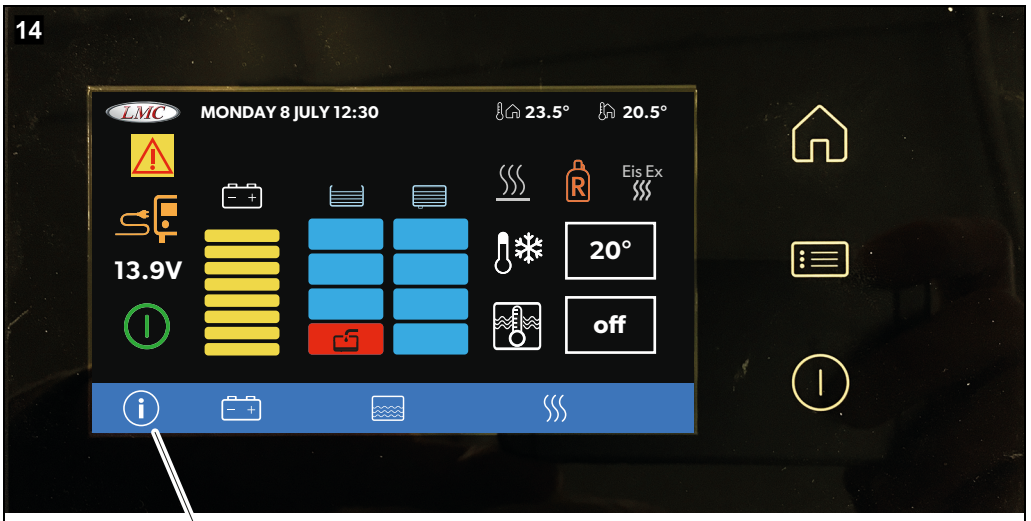
To update the DCP operating software proceed as follows:



➤ Press the “Home” button (1) to show the main menu.

➤ Take a picture of the main menu screen.
Use this picture for selecting the values of the CI BUS-based vehicle technologies when setting up the updated DCP operating software (see chapter “Setting up the DCP operating software” on page 16).

14



➤ Press the “Info” button (1).

15



➤ Press the “Down” button to scroll down (1).

➤ Identify the software version (2).

➤ Write down the software version so you can ensure a correct update later on.

16



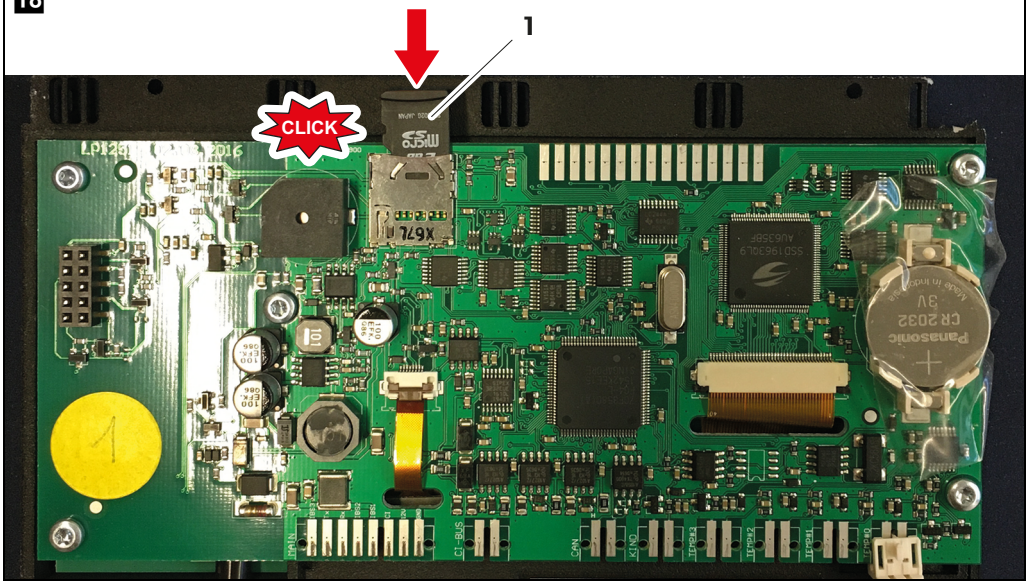
➤ Disconnect power supply.

17



➤ Use appropriate tools to remove the display.

18



➤ Insert the flashed micro SD card (1) into the slot on the back of the display until you hear a “click”.

19



➤ Connect power supply to the DCP.

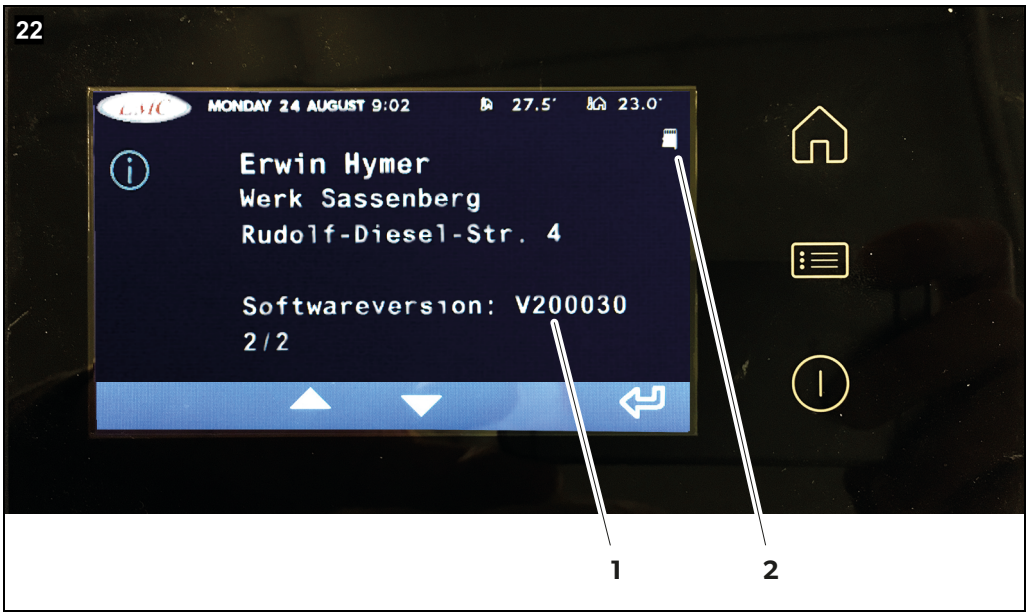


➤ Press "Update" (1) to replace the current DCP operating software (2) with the new version (3).



✓ Loading the new software will take 1 to 2 minutes (1).

22



➤ Access the info field and check if the new software version is installed (1).

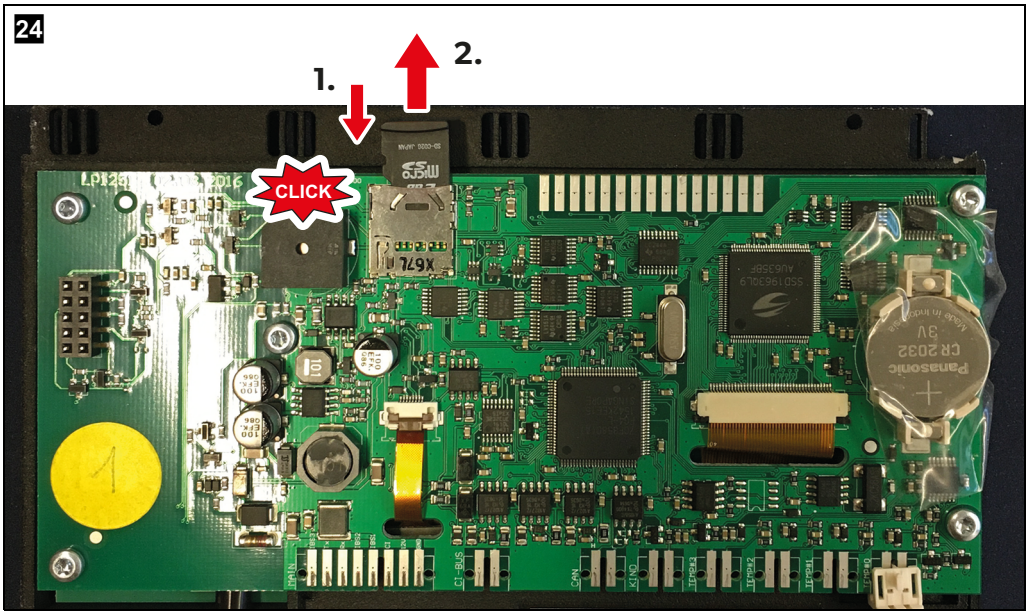
NOTE
If there was no software update, check if the micro SD card is inserted correctly (2) and repeat the update process.

23



➤ Disconnect power supply.

24

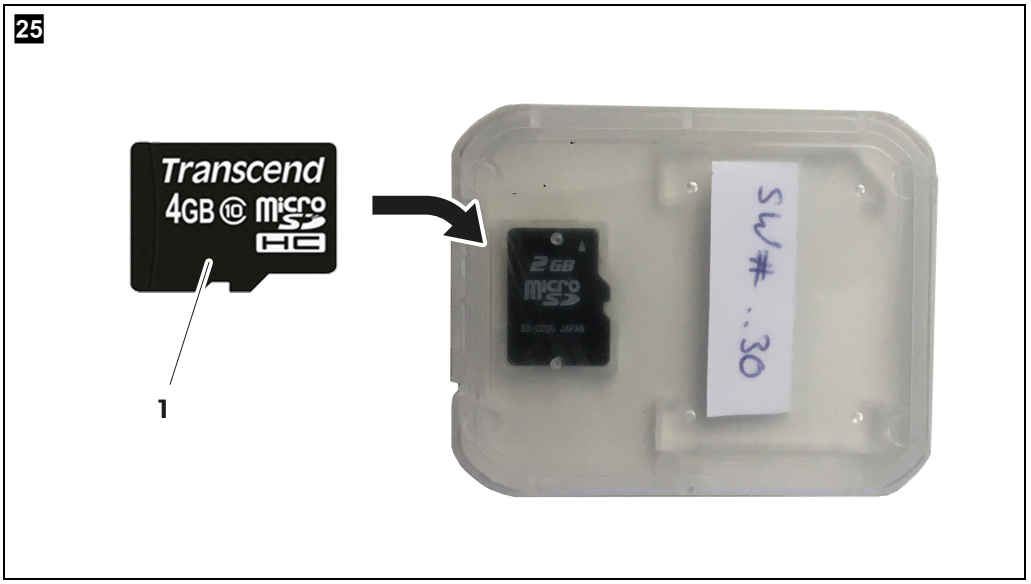


➤ Push the micro SD card (1) towards the circuit board until you hear a “click”.

✓ The micro SD card has been released from the clamps and jumps out a little.

➤ Remove the micro SD card (2).

25



➤ Securely store the micro SD card (1).

26



➤ Re-install the display into the cupboard.

27



➤ Connect power supply to the system.

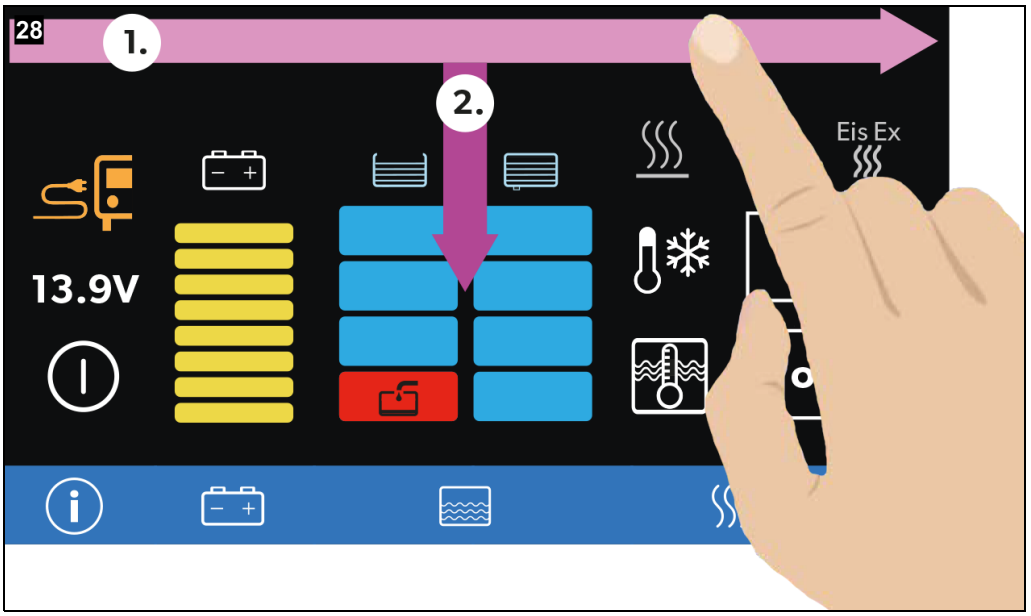
✓ The system boots up.

NOTICE!
Do not touch the screen or the sensory buttons on the display during the boot process to avoid a faulty calibration. A faulty calibration may result in the inaccessibility the “Home Screen”.

➤ Wait until the system has booted completely.

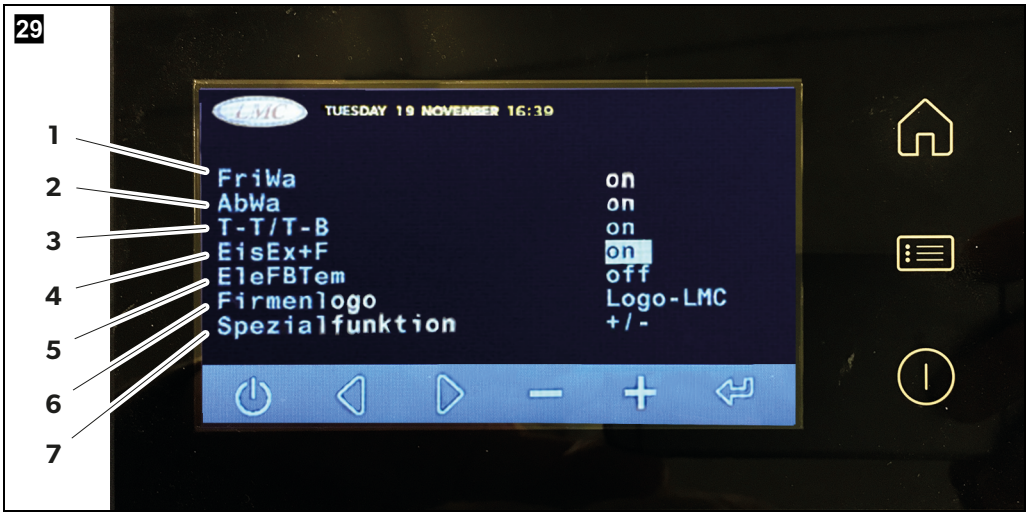
5 Setting up the DCP operating software

To set up the initial settings of the DCP proceed as follows:



➤ Wipe across the display as shown in fig. 28 to access the factory settings menu.

NOTE
The second wipe must only be to the middle of the screen.



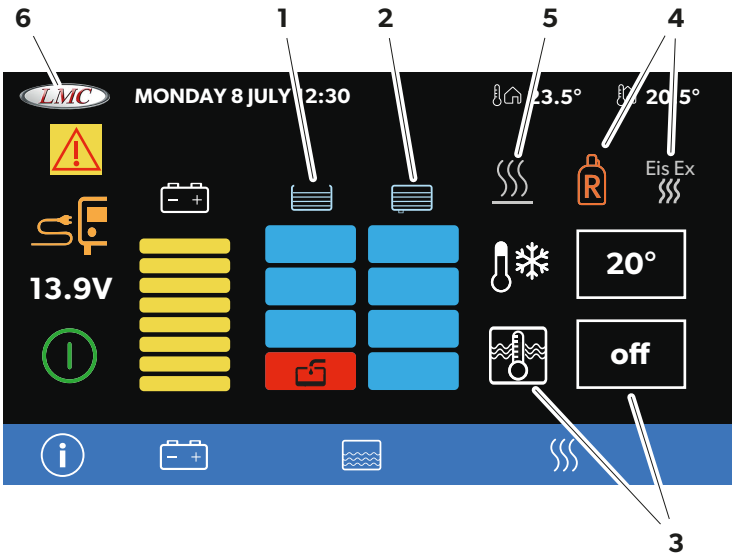
➤ Press ⏻ to select “on” for all devices.

➤ Press ◁ or ▷ to move up and down.

➤ Press — or + to toggle parameter (e.g. on/off; e.g. Logo-ERIBA).

No. in fig. 29 / fig. 30	Reference	Device	Factory setting
1	FriWa	Fresh water tank	on
2	AbWa	Gray water tank	on
3	T-T / T-B	Water boiler / water boiler control	on
4	EisEx + F	EisEx + spare gas bottle	on
5	EleFBTem	Underfloor heating	off
6	Firmenlogo	Brand logo	Logo
7	Spezialfunktion		+/-

30



✓ All settings with the value "on" will be displayed in the main menu.

The following (data or information) is automatically displayed in the main menu when recognized via the CI-BUS:

- Interior temperature
- Outside temperature
- Battery capacity
- Air conditioning system

➤ Select “Spezialfunktion” (fig. 29 7, page 16) and change the value with — or + to access page 2 of the factory settings menu.



No. in fig. 31	Reference	Factory setting
8	waste water heater enabled	off
9	aux connection enabled	off
10	all lin devices available	off
11	trade show mode	off
12	serial protocol CRC16	on

➤ Change value of “serial protocol CRC16” (12) to “on”.

NOTE

- These settings will not be displayed in the main menu.
- If the set value for “serial protocol CRC16” (12) is “off”, a flawless communications between Gateway and DCP is not ensured.

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A complete list of Dometic companies, which comprise the Dometic Group, can be found in the public filings of:
DOMETIC GROUP AB • Hemvärnsgatan 15 • SE-17154 Solna • Sweden