Installation Instructions for PLC Software Update M36504

**SPINNER**

Software Set BN B32577 including **Software No D13350** for Spinner SmartLoad BN 546404 BN 546404C.... BN 546437 BN 546437C....	**Software Set BN B32577C0001** including **Software No D13351** for Spinner SmartLoad BN 546434 BN 546434C0200	**Software Set BN B32577C0002** including **Software No D13352** for Spinner SmartLoad BN 546430 BN 546430C.... BN 546435C.... BN 546439 BN 546439C....	**Software Set BN B32577C0003** including **Software No D18060** for Spinner SmartLoad BN 546434C0220 BN 546434C0230

These instructions were written for qualified and experienced personnel. Please read them carefully before starting work. Any liability or warranty for the results of improper or unsafe use is disclaimed!

Notice: **Make sure that you install the right software for your device. Otherwise the function is not guaranteed and the device could be destroyed.**
Use a separate micro SD card for each device.
To write log files to the micro SD card, the program or the device must be restarted after each insertion of the micro SD card.

Scope of delivery:

Micro SD card inkluding the PLC software

SD card case

Blank label

Software number and version

Not shown: Installation instructions
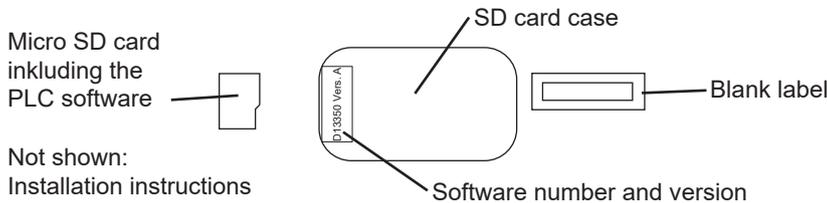
Downloading the software:

Alternatively, the software can also be downloaded via the SPINNER product finder. Make sure that you download software matching the part number of your device. If your device cannot be found, contact the Spinner After Sales Service Center.
after-sales-service@spinner-group.com

1. Unzip the folder.

2. Save the LOGO_U_P.bin file in the root directory of the micro SD card. Otherwise, the PLC will not be able to recognize the software.

3. Do not rename the LOGO_U_P.bin file. Otherwise, the PLC will not be able to recognize the software.

All other documents from the zip folder can also be saved on the micro SD card.

If the PLC of the SmartLoad already contains a Micro SD card, it can be overwritten and used again. Should no micro SD card be present, we recommend that you use a card with the following characteristics:

- Micro SDHC 8 GB to 32 GB (SD Ver. 2.0), Sandisk recommended (Micro SDXC does not work!)
- Industrial-grade quality recommended
- FAT32 format (full format, no quick format)

PLC description:

PLC

Display

Label showing current software version (not applicable since approx. 2018)

Micro SD card drawer

Cursor button ◄ ► ▼ ▲

OK button (green)

ESCAPE button

SPINNER
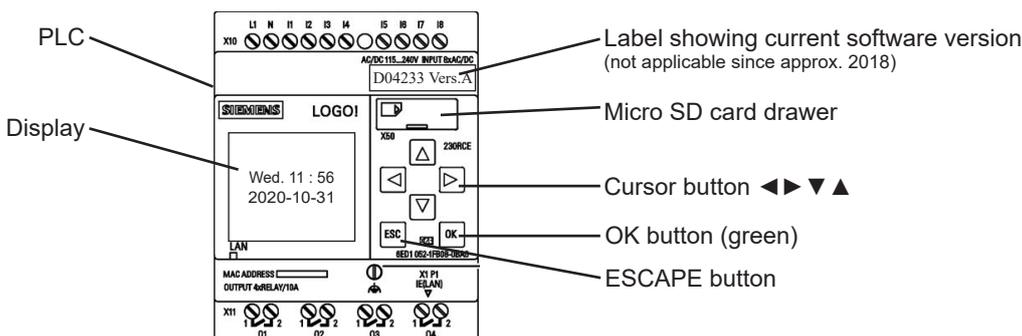
**Install the Micro SD card and install the program:**

Notice: To install the software the SmartLoad must be stopped and the interlock is open.

1. Switch OFF your SmartLoad and wait until all devices have been shut down. Open the door of the electric control box with the delivered key.

2. Carefully insert a screwdriver with a 3 mm blade into the groove on the front of the card drawer and pull it partially out of the drawer slot with a lever movement. Pull the drawer into the position shown in the following illustration
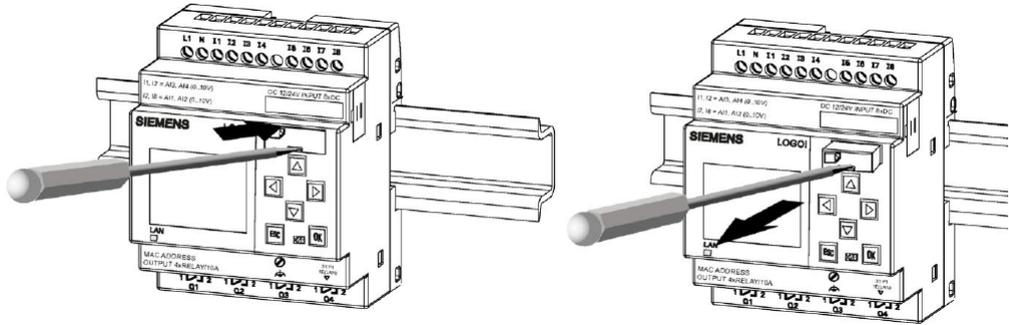
3. Remove the Micro SD card if present and insert the new card into the drawer until it clicks into place. Close the card drawer carefully
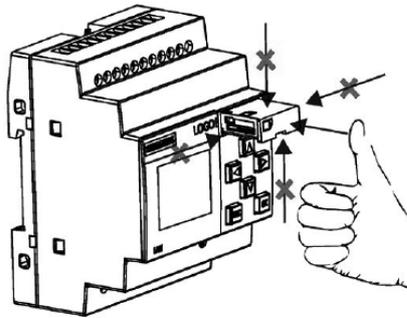
4. Switch on your SmartLoad and wait until all devices have been running through their boot sequences. The PLC automatically loads the software from the micro SD card and is then ready for operation. The green light on the front panel shows you, that the system is ready. The following screen is displayed:
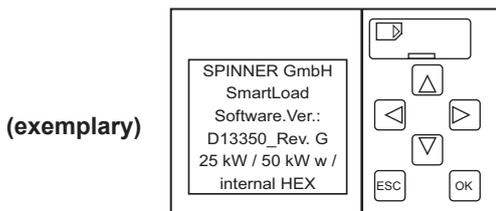
(exemplary)

SPINNER GmbH
SmartLoad
Software.Ver.:
D13350_Rev. G
25 kW / 50 kW w /
internal HEX

Note

Immediately after installation of the software D13350 und D13351 the pump starts automatically for a certain time.

5. Verify that the software number and version displayed match the number and version on the SD card case or ZIP file name.

Label

6. Remove the installed label on the PLC

SPINNER GmbH
SmartLoad
Software-Ver.:
D13350_Rev. G
25 kW / 50 kW / w
internal HEX
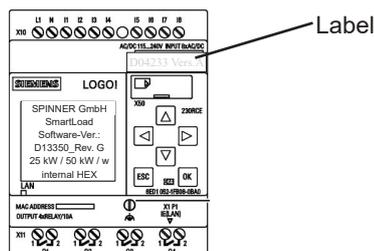
Install the Micro SD card and install the program (alternative method):

Switch on your SmartLoad and wait until all devices have been running through their boot sequences. The green light on the front panel shows you, that the system is ready. Open the door of the electric control box with the delivered key.

Depending on the software version installed on the device, the following screens can be displayed:
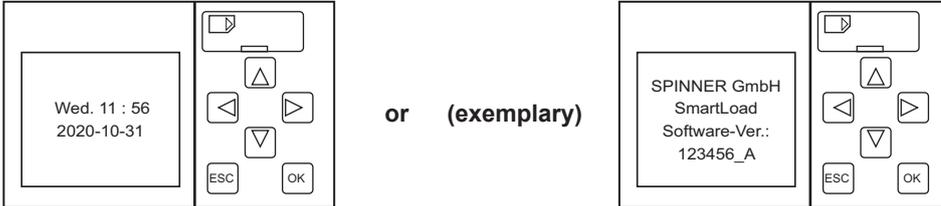

or   (exemplary)

Changes can only be made on the PLC when the date screen is displayed.
Click with the cursor buttons ▼▲ until the date screen is displayed.

1. Press the **ESC** button
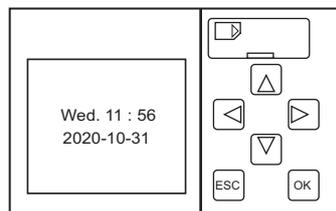
2. Use the cursor buttons to move the cursor to **Stop**

3. Confirm with the **OK** button
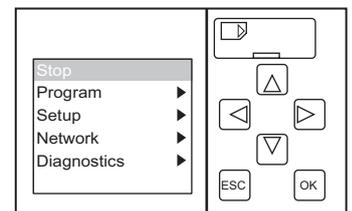
4. Use the cursor buttons to move the cursor to **Yes**
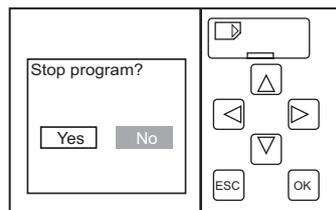

5. Confirm with the **OK** button
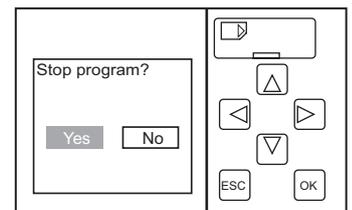
6. Carefully insert a screwdriver with a 3 mm blade into the groove on the front of the card drawer and pull it partially out of the drawer slot with a lever movement. Pull the drawer into the position shown in the following illustration
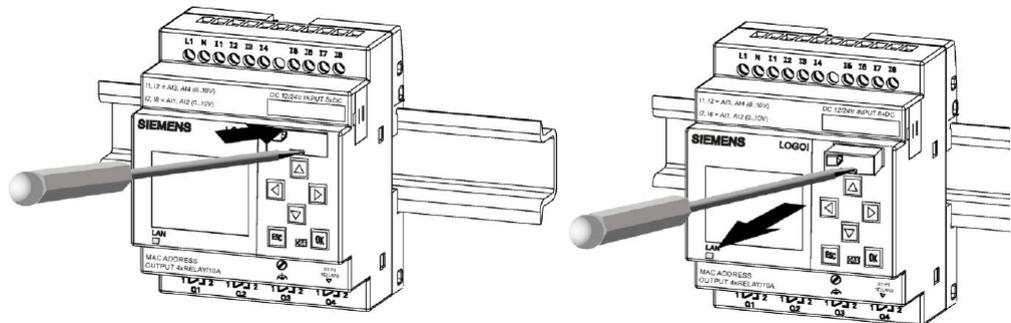
7. Remove the Micro SD card if present and insert the new card into the drawer until it clicks into place. Close the card drawer carefully
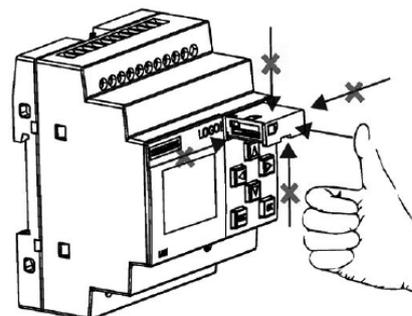

Note
To avoid damaging the SD card socket, do not pull the drawer completely from the PLC. The card slot insertion opening is chamfered at the bottom right side. The cards also have a beveled edge. This prevents you from inserting the card the wrong way round.

Make sure that the card is correctly aligned in the card drawer until you hear a distinct click. If the SD card drawer does not slide in smoothly, do not force the button. Observe the insertion direction of the SD card. The contacts must be on top.

8. Use the cursor buttons to move the cursor to **Card**
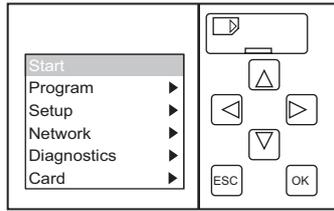
9. Confirm with the **OK** button
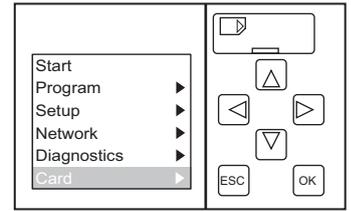
10. Use the cursor buttons to move the cursor to **Load Prog<-Card**
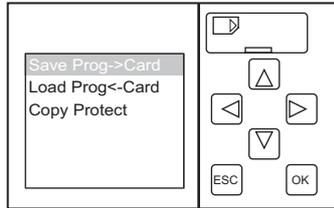
11. Confirm with the **OK** button
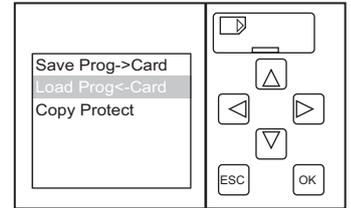
12. Use the cursor buttons to move the cursor to **Yes**
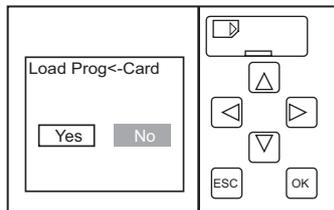
13. Confirm with the **OK** button
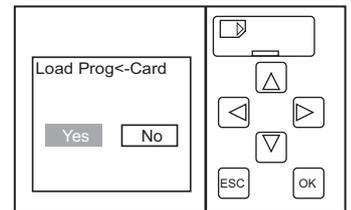
While the program is being transferred to the PLC, the following screens appear automatically
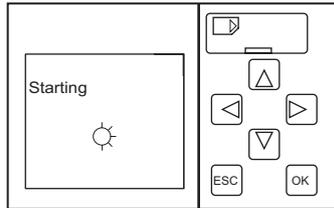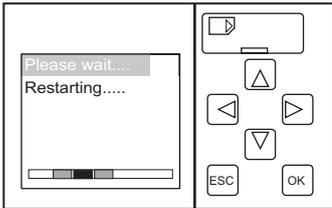
14. Use the cursor buttons to move the cursor to **Start**

15. Confirm with the **OK** button
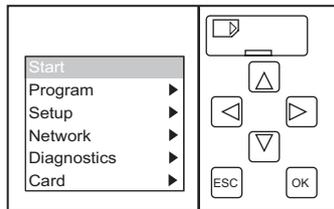
16. Use the cursor buttons to move the cursor to **Yes**
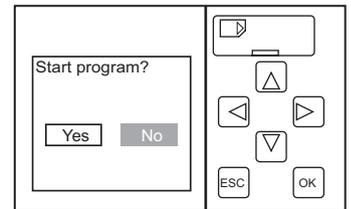
17. Confirm with the **OK** button
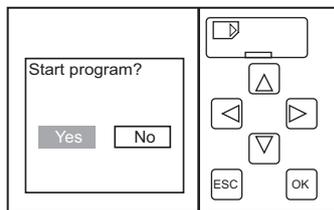
The display now shows on the start screen the software number as well as the issue status
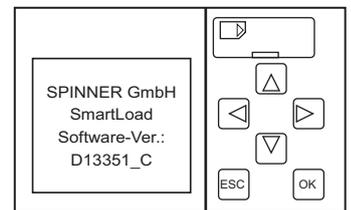
Note

Immediately after installation of the software D13350 und D13351 the pump starts automatically for a certain time.

18. Verify that the software number and version displayed match the number and version on the SD card case or ZIP file name.

19. Remove the installed label on the PLC and replace it by the delivered one. Alternatively stick the delivered blank label over the installed one

Blank label
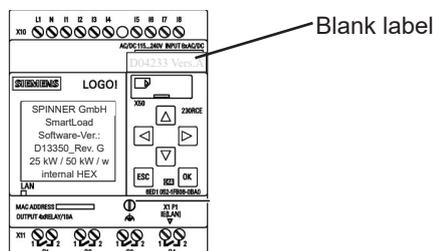
Change of Language:

Changes can only be made on the PLC when the date screen is displayed.
Click with the cursor buttons ▲ ▼ until the date screen is displayed.

This procedure only changes the language setting of the PLC main menue and has no influence on the language of the SmartLaod software.

1. Press the **ESC** button
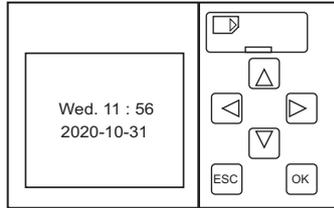
```
Wed. 11 : 56
2020-10-31
```

2. Use the cursor buttons to move the cursor to **Setup**

```
Stoppen
Programmieren    ▶
Setup            ▶
Netzwerk         ▶
Diagnose         ▶
```

3. Confirm with the **OK** button

```
Stoppen
Programmieren    ▶
Setup            ▶
Netzwerk         ▶
Diagnose         ▶
```
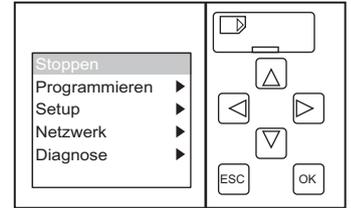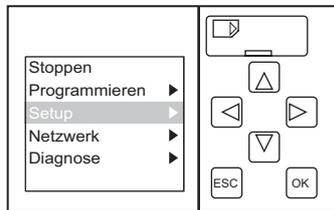
4. Use the cursor buttons to move the cursor to **Menüsprache**

```
Meldungskonfig   ▶
Startbildschirm
Uhr              ▶
LCD              ▶
Menüsprache
Bedienermodus
```

5. Confirm with the **OK** button

```
Meldungskonfig   ▶
Startbildschirm
Uhr              ▶
LCD              ▶
Menüsprache
Bedienermodus
```
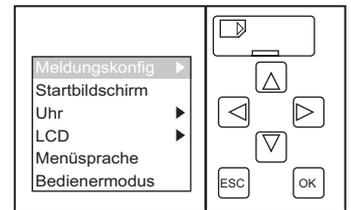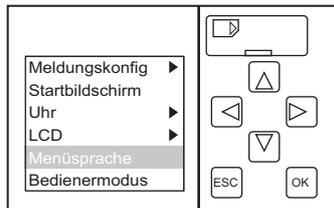
6. Use the cursor buttons to move the cursor to **English**

```
Menüsprache
◉ Deutsch
○ English
○ Francais
○ Espanol
○ Italiano
```

7. Confirm with the **OK** button

```
Menüsprache
○ Deutsch
◉ English
○ Francais
○ Espanol
○ Italiano
```
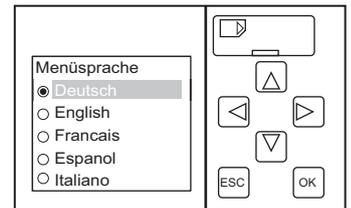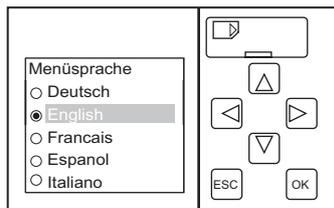
8. Press the **ESC** button to go back to the main menu. Press the **ESC** button a second time to go back the start display

```
Msg Config       ▶
Start Screen
Clock            ▶
LCD              ▶
Menu Language
Switch to OP
```