

Brief Instruction System Modifications and Extensions

midiControl *plus*

1 Modifications or extensions of your midiControl *plus* system

Shut down the system prior to all modifications and extensions. Afterwards it has to be made ready for operation again. The necessary steps are shown below.

2 Shutting down the system

1. Switch the system to charging mode (operation mode switch (13) to position "0")
Note: Check that the LC-display (12) shows "charging mode".
2. Disconnect the system from mains (open fuse switch disconnecter (10))
3. Remove battery fuses F2/F3/F4 (14)
4. De-energise the system and protect it against unintentional restart

```
time:          08:00
              17/08/13
battery:       245.0 V
              0.1 A
State:         mains ok
              off (charging)
help  test  menu
```

Status "charging mode" (arrow)

3 Modifications/extensions/maintenance

You can now start working on the de-energised system and e.g. connect the BUS-line of a remote control unit (MCT-12 or MCT-12S) to the terminals of the RS485-interface (for exact pin assignment see connection diagram).

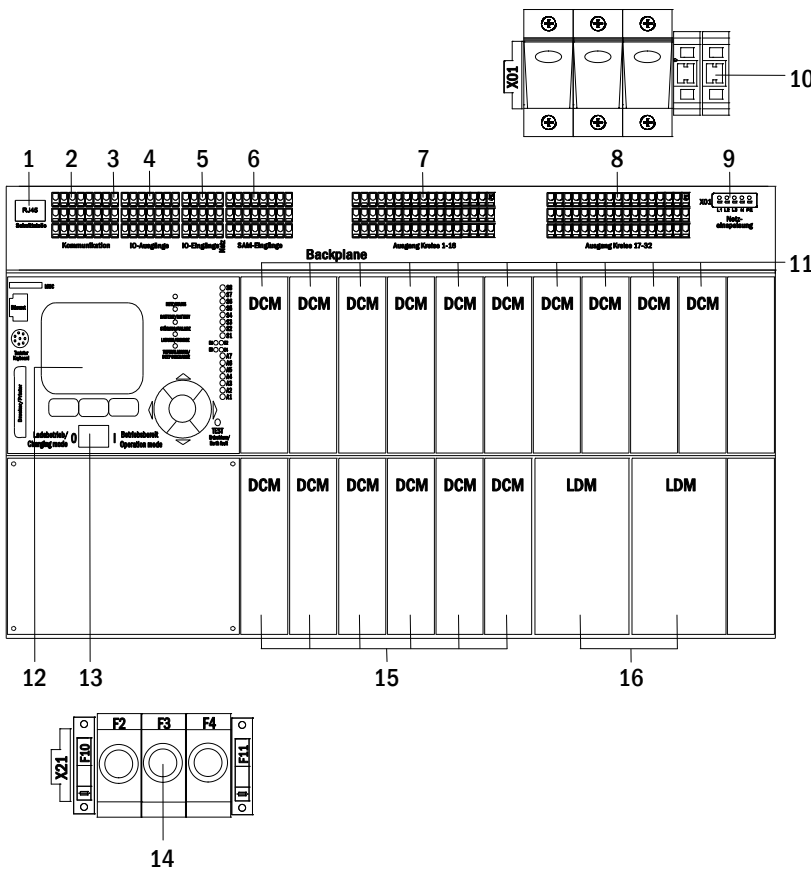
4 Restart the system

1. Remove restart protection and energise the system
2. Insert battery fuses F2/F3/F4 (14)
3. Close fuse switch disconnecter F1 (10)

The system starts booting. This process can take several minutes.

Caution: Do not shut down the system during the booting process!

5. Switch the system to "ready to operate" (operation mode switch (13) to position "1")



- 1 ethernet interface
- 2 communication
- 3 quiescent current loop
- 4 IOM-outputs
- 5 IOM-inputs
- 6 SAM-inputs
- 7 electric circuits 1-16
- 8 electric circuits 17-32
- 9 internal mains connection
- 10 mains supply fuse switch disconnecter F1
- 11 direct current modules (DCM)
- 12 LC-display
- 13 operation mode switch
- 14 battery connection and fuses F2, F3, F4
- 15 direct current modules (DCM)
- 16 charger modules (LDM)

Figure 1: View of the opened midiControl *plus* system