

OPERATION MANUAL

System Settings for Training Cases

Training Cases TA515, TA5450



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1. Training Case TA515

1.1. Preconditions

INFORMATION



SD Memory Card – Training Case A0 1SAP182420B0001

The SD memory card contains the boot project and the firmware update for the V2 training case and is included in the delivery.

When the SD memory card is not on hand, it can be restored.

The content of the SD memory card is available for download and can be copied to an SD memory card MC502 from the AC500 accessories assortment.

Use the QR code to download the file 3ADR010486. Then, unzip the content to the root of an empty SD memory card MC502.

Refer to **Enclosure** for the content of the SD memory card MC502.



1.2. Create Boot Project for AC500 System via SD Memory Card

NOTICE



Damage to the Firmware!

If the control voltage is switched off during flashing, the firmware will be damaged!

Create a boot project for AC500 system via SD memory card by following these steps.

- 1. Switch power off.
- 2. Insert delivered SD memory card into plug-in slot of the PLC.
- 3. Switch power on.
- 4. The PLC displays "Update" on the screen. The update operation starts automatically.

Green LED is blinking = reading from SD memory card. Red and green LEDs are blinking fast = flash process.

- 5. After flashing, PLC displays "Please reboot" and only the RUN LED flashes.
- 6. Switch power off.

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- 7. Remove the SD memory card otherwise the PLC will do the same update again.
- 8. Switch power on and wait until PLC displays "Stop". All red LEDs should be off.
- 9. The system automatically goes into Run Mode and is now ready for use.

1.3. Configuration of CP6607 Control Panel

Configuration of the control panel is the same for both training cases and is described in chapterConfiguration of CP6607 Control PanelConfiguration of the control panel is the same for both training cases and is described in chapterConfiguration of CP6607 Control PanelError! Not a valid bookmark self-reference..

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Configuration of CP6607 Control Panel.

2. Training Case TA5450

2.1. Preconditions

INFORMATION



SD Memory Card – Training Case

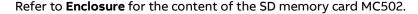
A0 1SAP187720B0001

The SD memory card contains the boot project and the firmware update for the V3 training case and is included in the delivery.

When the SD memory card is not on hand, it can be restored.

The content of the SD memory card is available for download and can be copied to an SD memory card MC502 from the AC500 accessories assortment.

Use the QR code to download the file 3ADR010443. Then, unzip the content to the root of an empty SD memory card MC502.





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2.2. Create Boot Project for AC500 System via SD Memory Card

NOTICE



Damage to the Firmware!

If the control voltage is switched off during flashing, the firmware will be damaged!

Create a boot project for AC500 system via SD memory card by following these steps.

- 1. Switch power off.
- 2. Insert delivered SD memory card into plug-in slot of the PLC.
- 3. Switch power on.
- 4. The PLC displays "Update" on the screen. The update operation starts automatically.

Green LED is blinking = reading from SD memory card. Red and green LEDs are blinking fast = flash process.

- 5. After flashing, PLC displays "Please reboot" and only the RUN LED flashes.
- 6. Switch power off.

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- 7. Remove the SD memory card otherwise the PLC will do the same update again.
- 8. Switch power on and wait until PLC displays "Stop". All red LEDs should be off.
- 9. Reboot the system again by switching power off and on.
- 10. The system automatically goes into Run Mode and is now ready for use.

2.3. Configuration of CP6607 Control Panel

Configuration of the control panel is the same for both training cases and is described in chapterConfiguration of CP6607 Control Panel <u>Error! Not a valid bookmark self-reference.</u>

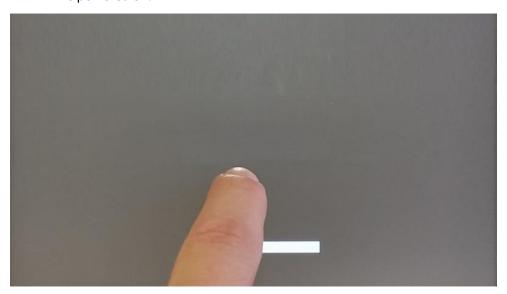
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3. Configuration of CP6607 Control Panel

3.1. System Settings for CP6607 Control Panel

Perform the following system settings for the CP6607 control panel.

- 1. Power off the control panel and disconnect the cable.
- Switch power on by connecting the cable.
 "TAP-TAP" consists in a sequence of several touch activations by simple means of the finger tapping the touch screen performed during the power-up phase and started immediately after the HMI is powered on.



3. When "TAP-TAP DETECTED" message appears on the top of the screen, wait for 5 seconds - without touching the screen. Then, open the System Settings submenu.



4. Again, wait for 5 seconds without touching the screen, then, open the Default Mode submenu.



5. Select "System Settings" from the HMI Default Mode screen.



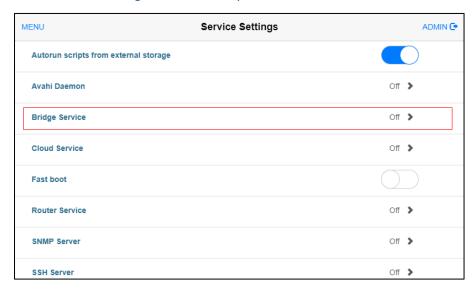
3.2. Bridge Service Settings

Perform the following bridge service settings.

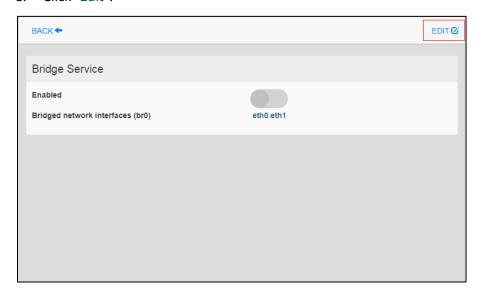
1. Open "Services".



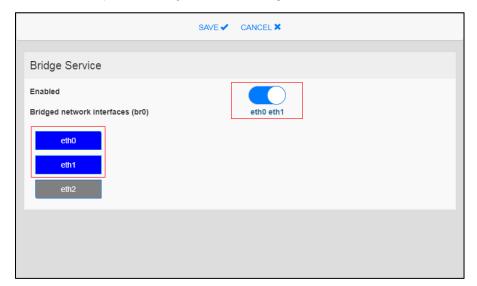
2. Search for "Bridge Service" and open this menu.



3. Click "Edit".



4. Enable the Bridge Service by moving the toggle. Select the ports which you want to bridge.



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A bridge service between ETH1 and ETH2 is <u>not</u> possible.

Use ETH0 and ETH1 instead.

5. Press "Save" and "OK" to accept the changes and to reboot the control panel.



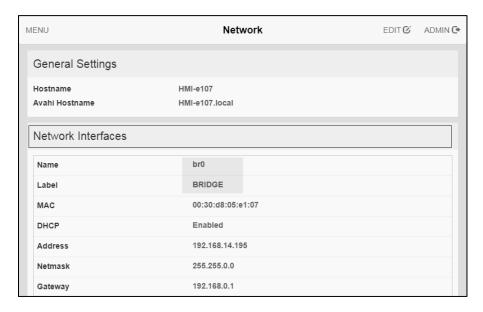
3.3. Network Settings

Perform the following network settings.

1. Open "Network".



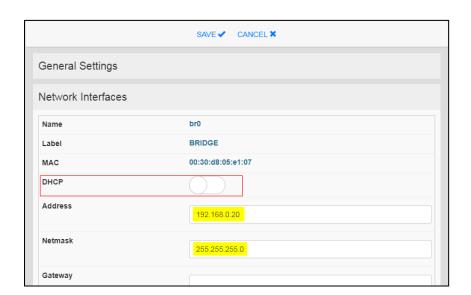
2. Expand the menu "Network Interfaces".



- 3. Click "Edit" and disable the DHCP mode.
- Enter the static IP address and the netmask.
 For this project please enter the following addresses and keep the field for the gateway settings empty.

Address: 192.168.0.20

Netmask: 255.255.255.0



- 5. Click "Save" to accept the changes.
- 6. Close the configuration settings by clicking "EXIT".

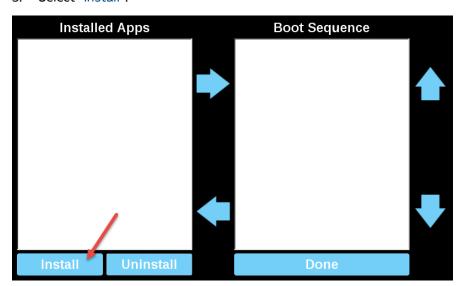
3.4. Install Update Package to CP6607 Control Panel via SD Memory Card

Perform the following steps to install an update package to the CP6607 control panel via SD memory card.

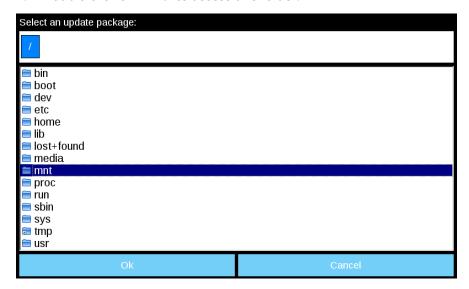
- 1. Insert the delivered SD memory card into plug-In slot of the CP6607 control panel.
- \rightarrow The SD memory card contains an update package for the V3 training case.
- 2. Select "Startup sequence".



3. Select "Install".



4. Double-click on "mnt" to access this folder.



- 5. Navigate to /mnt/sdcard/01_Panel Builder Project/.
- 6. Select "UpdatePackage.zip" and click "OK".
 The installation is initialized.
 After an automatic reboot the project is available.
- 7. Switch power off.

4. Enclosure

4.1. Contents of SD Memory Card for TA515 Case

The contents of the SD memory card used to restore the demo program are shown in the following figure.



4.2. Contents of SD Memory Card for TA5450 Case

The contents of the SD memory card used to restore the demo program are shown in the following figure.

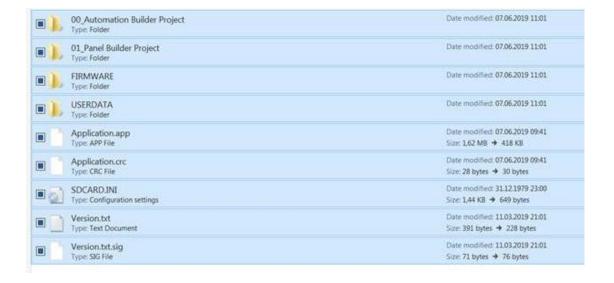




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