

Servo press kit YJKP - Updates

Updates of the servo press kit YJKP:

- Firmware update of the motor controller CMMP-AS
- Firmware update of the controller CECC-X
- Software update of the application software GSAY

YJKP

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1 Components/Software used

Type/Name	Version Software/Firmware	Date of manufacture
Servo press kit YJKP	general	--
Application software YJKP (GSAY-A4-F0-Z4-1.1.1)	V1.1.1	--
Firmware controller (CECC-X)	V3.2.10	--
Firmware motor controller (CMMP-AS)	V4.0.1501.2.3	--
Festo Configuration Tool	V1.2.1.3	--
Festo Field Device Tool	V2.6.11.60355	--

Table 1.1: 1 Components/Software used

2 Application description

This application note describes how you can update the various firmware and software of the servo press kit.

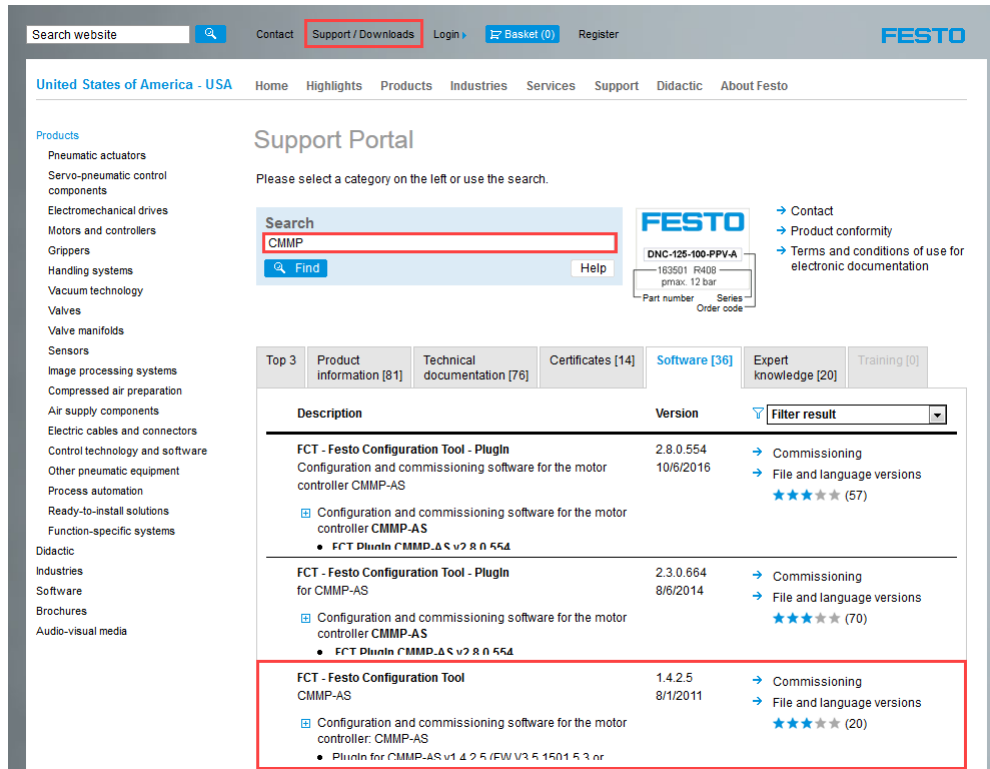
Following updates are part of the application note:

- Firmware update of the motor controller CMMP-AS
- Firmware update of the controller CECC-X
- Software update of the application software GSAY

3 Firmware update of the motor controller CMMP-AS

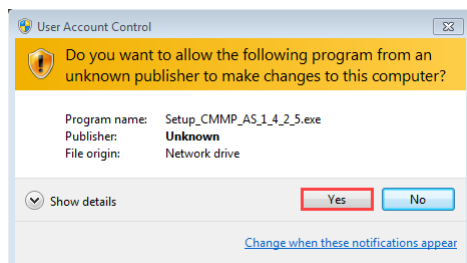
3.1 Installation Festo Configuration Tool (FCT)

1. Download Festo Configuration Tool (FCT).
You can find it on the Festo homepage in the support portal area by searching “CMMP” in the tab “Software”.



3-1: Download Festo Configuration Tool (FCT)

2. Execute downloaded file.
3. A dialog box “User Account Control” will be pop up.
Confirm the request with left click on button “Yes”.



3-2: Dialog box "User Account Control"

4. A dialog box “Choose your setup language” will be pop up.
Choose your preferred language if you don’t want to use the default settings.
Confirm the request with left click on button “OK”.

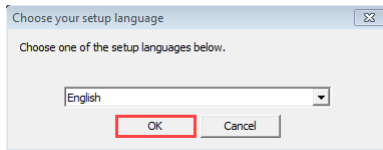


Figure 3-3: Dialog box "Choose your setup language"

5. A dialog box “FCT License Agreement” will be pop up.
Select with left click on radio button “I accept the terms in the License Agreement”.
Confirm the request with left click on button “Next >”.

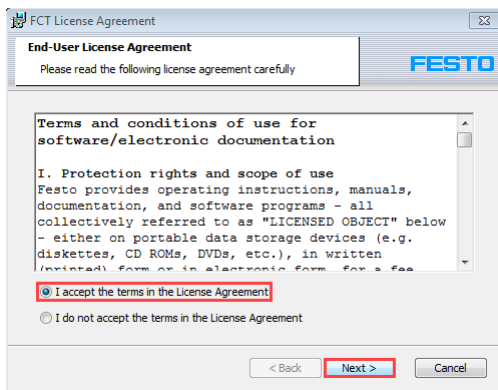


Figure 3-4: Dialog box "FCT License Agreement"

6. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Next >”.

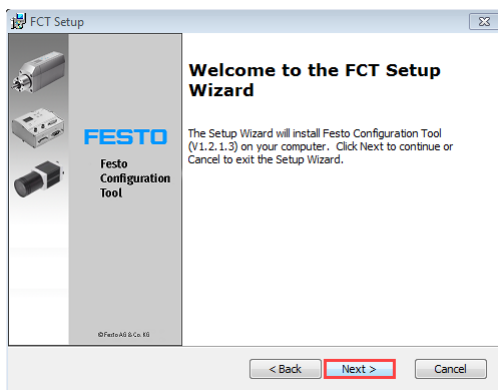


Figure 3-5: Dialog box "FCT Setup"

7. A dialog box “FCT Setup” will be pop up.
Change the destination folder if you don’t want to use the default settings.
Confirm the request with left click on button “Next >”.

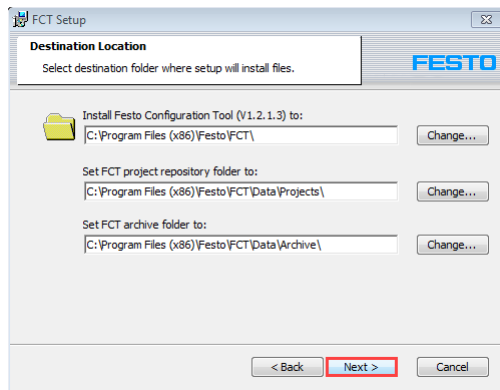


Figure 3-6: Dialog box "FCT Setup"

8. A dialog box “FCT Setup” will be pop up.
Change the system of measurement if you don’t want to use the default settings.
Confirm the request with left click on button “Next >”.

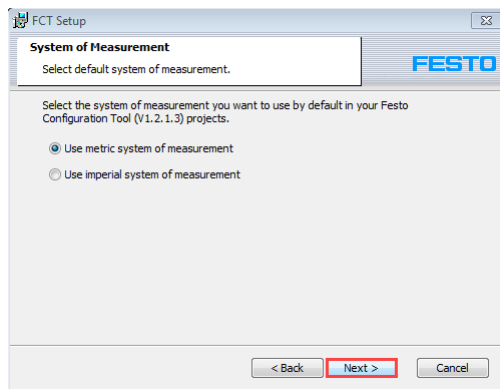


Figure 3-7: Dialog box "FCT Setup"

9. A dialog box “FCT Setup” will be pop up.
Change the features if you don’t want to use the default settings.
Confirm the request with left click on button “Next >”.

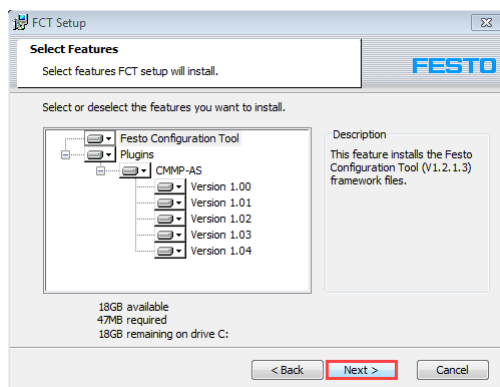


Figure 3-8: Dialog box "FCT Setup"

10. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Install”.

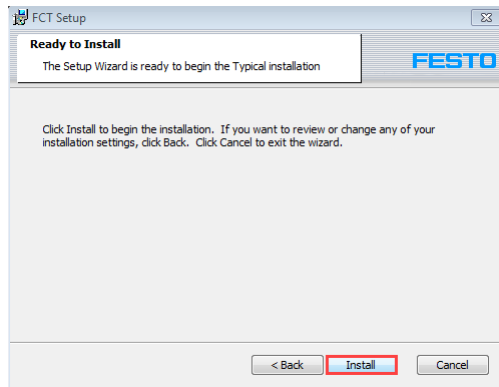


Figure 3-9: Dialog box "FCT Setup"

11. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Finish”.

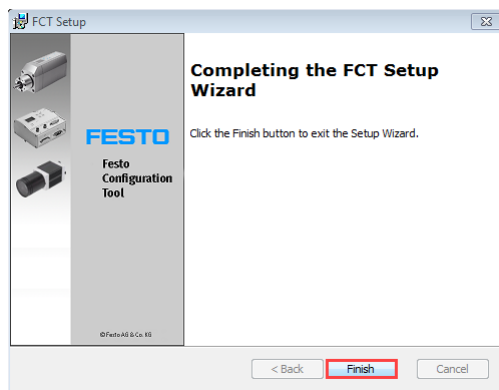
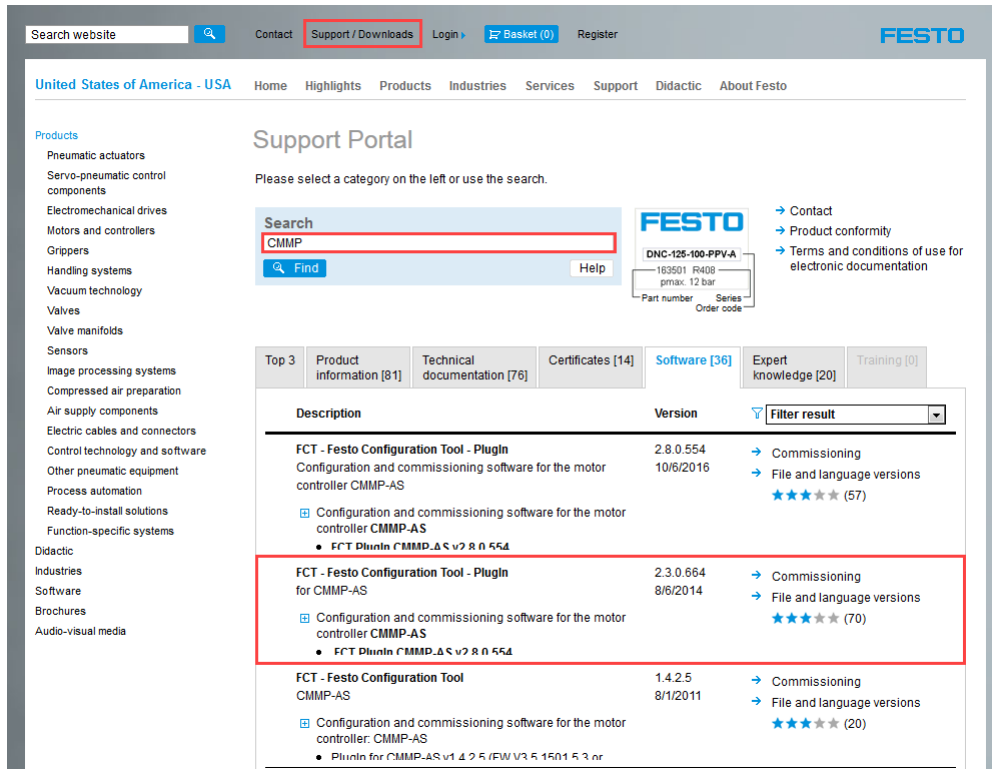


Figure 3-10: Dialog box "FCT Setup"

12. Download Festo Configuration Tool (FCT) – PlugIn for motor controller CMMP-AS.
You can find it on the Festo homepage in the support portal area by searching “CMMP” in the tab “Software”.



3-11: Download Festo Configuration Tool (FCT) – PlugIn for motor controller CMMP-AS

13. Execute downloaded file.
14. A dialog box “User Account Control” will be pop up.
Confirm the request with left click on button “Yes”.

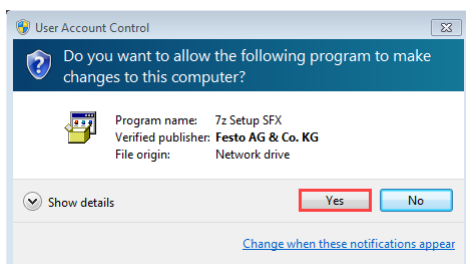


Figure 3-12: Dialog box "User Account Control"

15. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Next >”.



Figure 3-13: Dialog box "FCT Setup"

16. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Install plugins”.

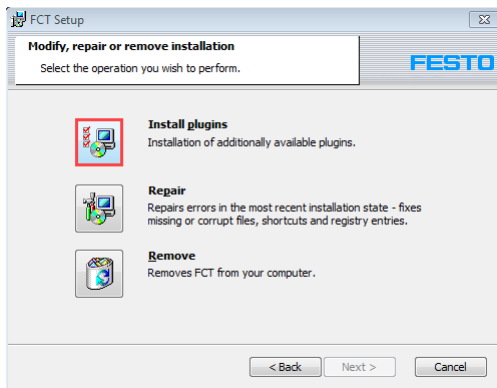


Figure 3-14: Dialog box "FCT Setup"

17. A dialog box “FCT Setup” will be pop up.
Select “CMMP-AS” and “Install this feature in the installation folder.” with left click.

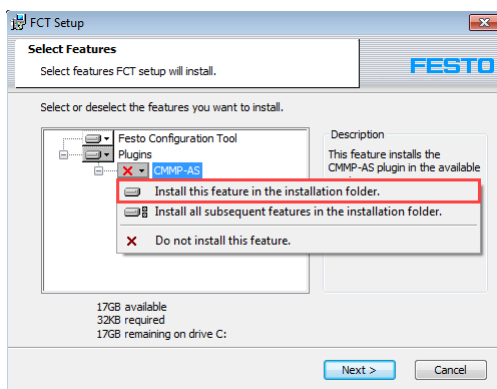


Figure 3-15: Dialog box "FCT Setup"

18. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Next >”.

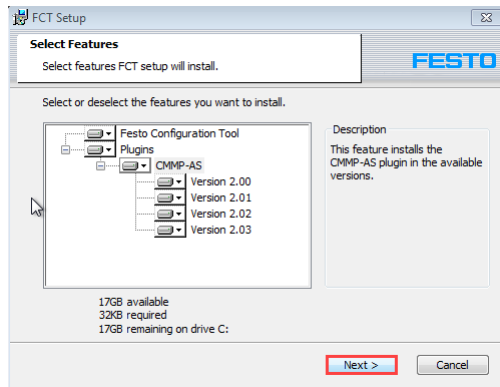


Figure 3-16: Dialog box "FCT Setup"

19. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Add”.

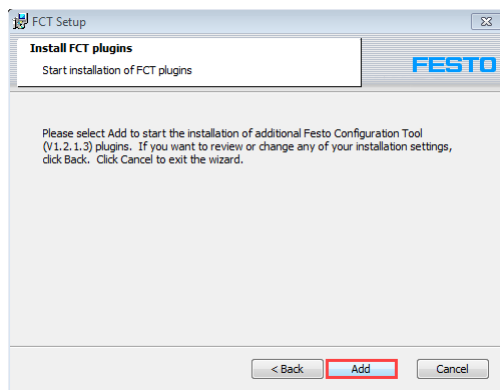


Figure 3-17: Dialog box "FCT Setup"

20. A dialog box “FCT Setup” will be pop up.
Confirm the request with left click on button “Finish”.

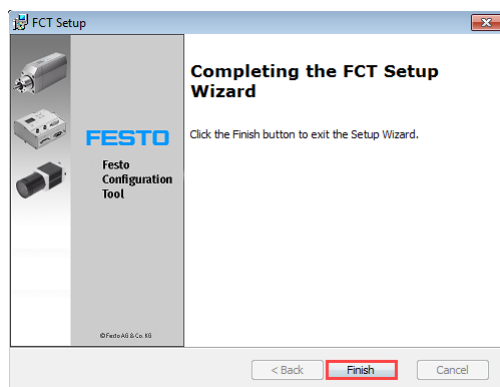


Figure 3-18: Dialog box "FCT Setup"

3.2 Firmware update

1. The servo press kit must be connected like in the shown Figure 3-19: Connection overview.

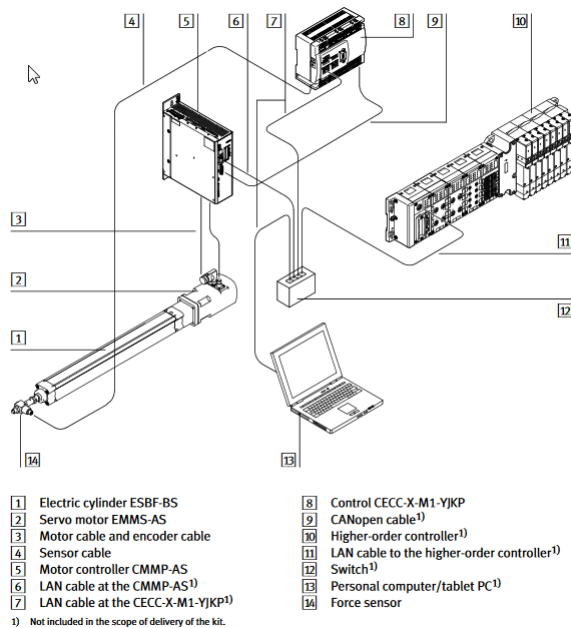


Figure 3-19: Connection overview

2. Download firmware for motor controller CMMP-AS.
You can find it on the Festo homepage in the support portal area by searching “CMMP” in the tab “Software”.

Firmware	4.01501.2.3 3/30/2016	→ Firmware
Firmware for CMMP-AS M3 actual version 4.0.1501.2.3 and all previous incl. history		→ File and language versions ★★★★★ (15)
Firmware	4.0.1501.2.3 3/30/2016	→ Firmware
Firmware for CMMP-AS M0 Supported systems:		→ File and language versions ★★★★★ (5)
EtherCAT XML	3.2 10/13/2014	→ Device Description Files
Device description (EtherCAT Slave Information - ESI) for Festo motor controllers with operation mode FHPP and CiA 402.		→ File and language versions ★★★★★ (4)
DeviceNet EDS	2.10 10/13/2014	→ Device Description Files
Device description for Festo motor controllers Supported systems:		→ File and language versions ★★★★★ (5)

3-20: Download firmware for motor controller CMMP-AS

3. Unzip downloaded file.
4. Execute software “Festo Configuration Tool”.

5. A window “Festo Configuration Tool” will be pop up.
Select tab “Project” and item “New ”with left click.

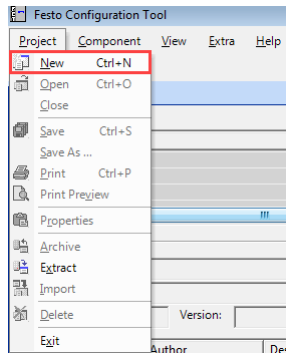


Figure 3-21: Create new project

6. A dialog box “New project – Project properties” will be pop up.
Select text field “Name” with left click and type in a preferred project name.
Confirm the request with left click on button “OK”.

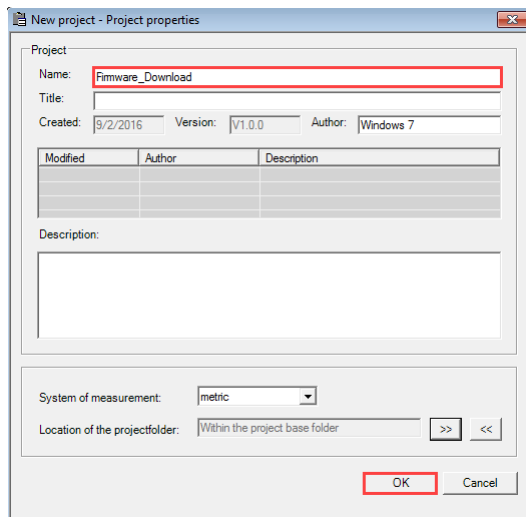


Figure 3-22: Dialog box "New project - Project properties"

7. A dialog box “Componentselection” will be pop up.
Select item “CMMP-AS” with left click in the tree view.
Select text field “Componentname” with left click and type in a preferred component name.
Confirm the request with left click on button “OK”.

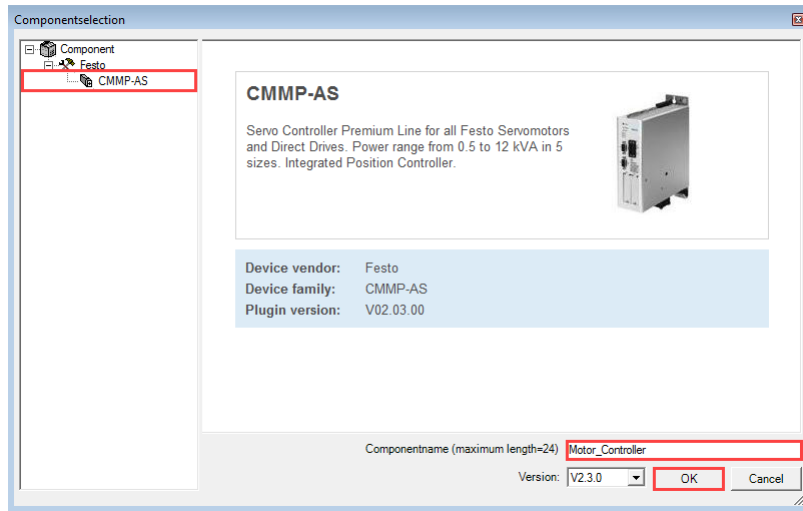


Figure 3-23: Dialog box "Componentselection"

8. Select tab “Component” and item “FCT Interface ”with left click.

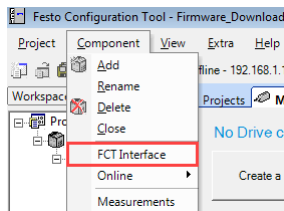


Figure 3-24: Open FCT interface

9. A dialog box “FCT Interface” will be pop up.
Select button “Scan” with left click to scan the network for devices.

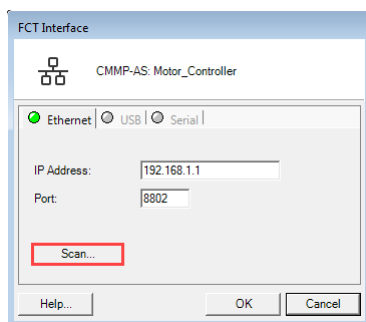


Figure 3-25: Dialog box "FCT Interface"

10. A dialog box “Windows Security Alert” will be pop up.
Select with left click on radio button “Private networks, such as my home or work network”.
Confirm the request with left click on button “Allow access”.

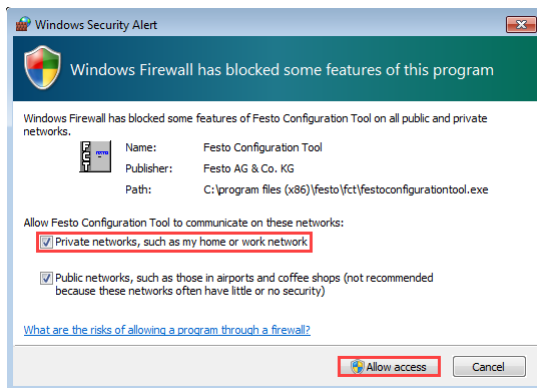


Figure 3-26: Dialog box "Windows Security Alert"

11. A window “Festo Field Device Tool” will be pop up.
Select the motor controller CMMP-AS of the servo press kit with left click.
Confirm the selection with left click on button “OK”.

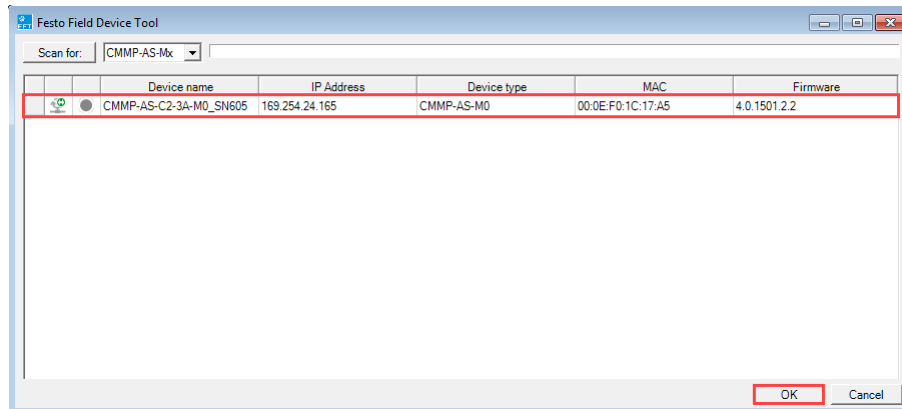


Figure 3-27: Window "Festo Field Device Tool"

12. Confirm the dialog box “FCT Interface” with left click on button “OK”.

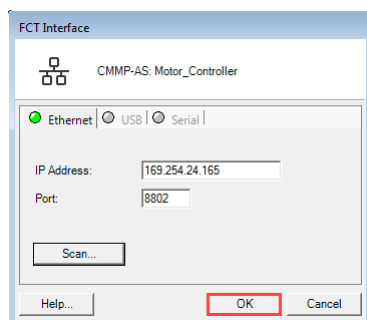


Figure 3-28: Dialog box "FCT Interface"

13. Select tab “Component”, item “Online” and item “Firmware Download...” with left click.

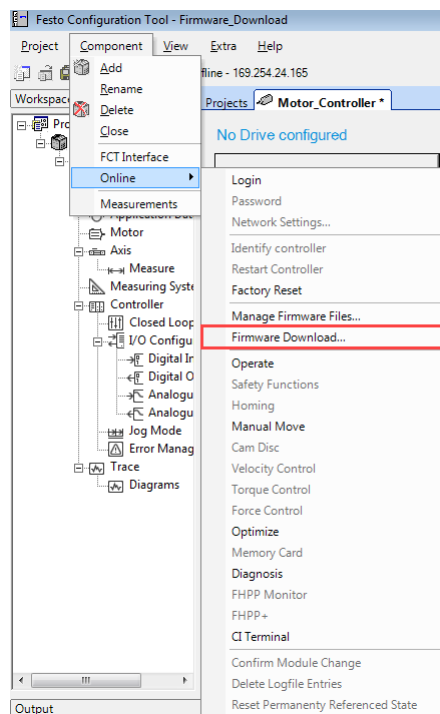


Figure 3-29: Open firmware download

14. A dialog box “Controller data will be lost” will be pop up. Confirm the request with left click on button “OK”.

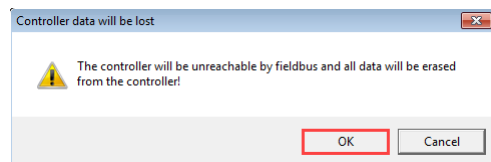


Figure 3-30: Dialog box "Controller data will be lost "

15. A dialog box “Firmware Download Wizard” will be pop up. Confirm the request with left click on button “Next >”.

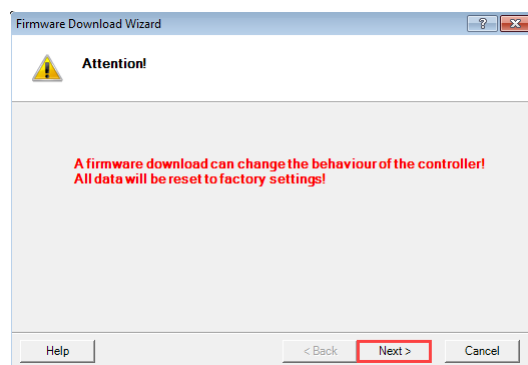


Figure 3-31: Dialog box "Firmware Download Wizard "

16. A dialog box “Firmware Download Wizard” will be pop up.
Select button “Raw Data...” with left click to select the firmware file.

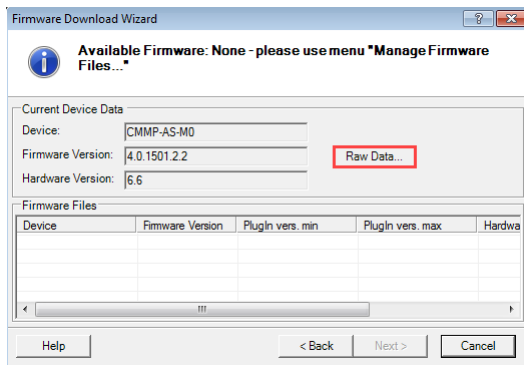


Figure 3-32: Dialog box "Firmware Download Wizard"

17. A dialog box “Open” will be pop up.
Navigate into the data path where the firmware file is stored.
Select the firmware file with left click.
Confirm the selection with left click on button “Open”.

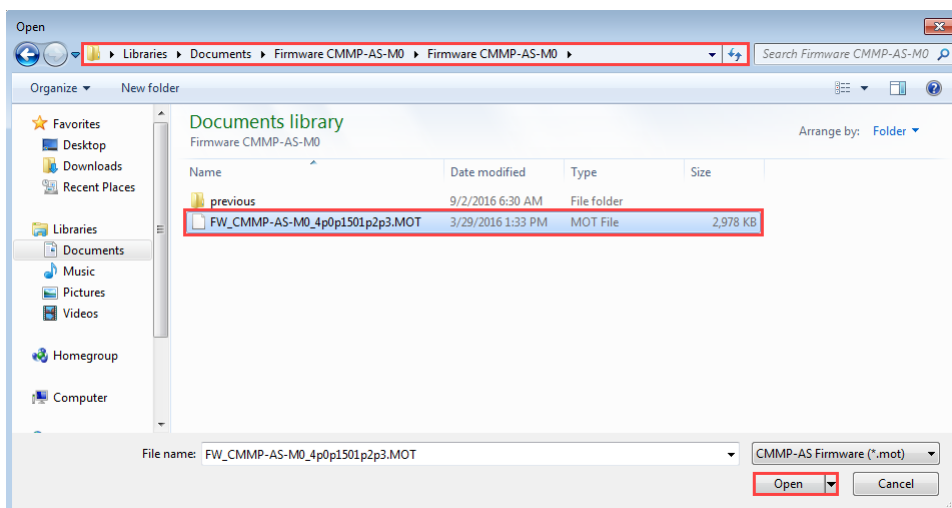


Figure 3-33: Dialog box "Open"

18. Confirm the dialog box “Firmware Download Wizard” with left click on button “Next >”.

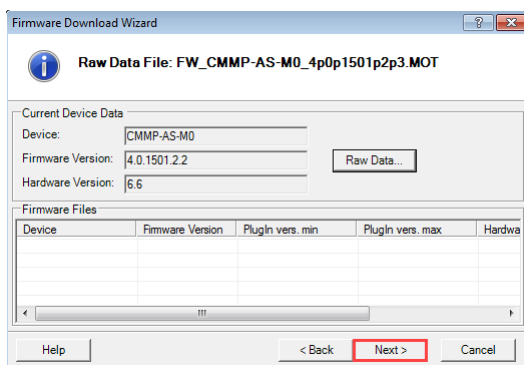


Figure 3-34: Dialog box "Firmware Download Wizard"

19. A dialog box “Firmware Download Wizard” will be pop up.
Confirm the request with left click on button “Next >”.

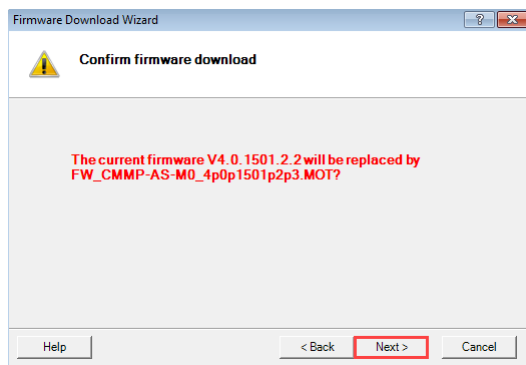


Figure 3-35: Dialog box "Firmware Download Wizard"

20. A dialog box “Firmware Download Wizard” will be pop up.
Confirm the request with left click on button “Finish”.

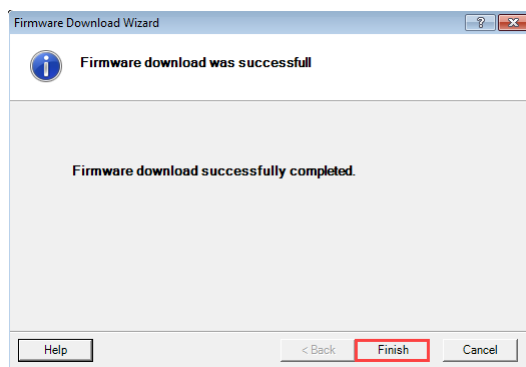
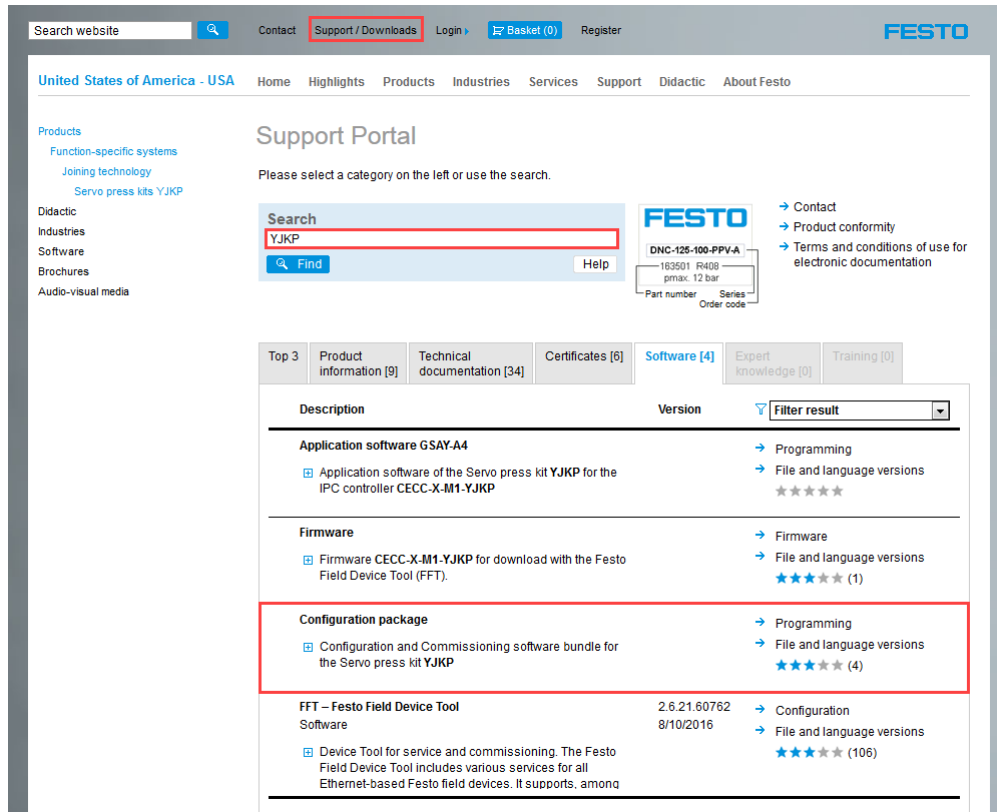


Figure 3-36: Dialog box "Firmware Download Wizard"

4 Firmware update of the controller CECC-X

4.1 Installation Festo Field Device Tool (FFT)

1. Download configuration package for the servo press kit.
You can find it on the Festo homepage in the support portal area by searching “YJKP” in the tab “Software”.



4-1: Download configuration package for the servo press kit

2. Unzip configuration package.
3. Execute the file in the folder “Festo Field Device Tool” to start the installation of the Festo Field Device Tool.
4. A dialog box “User Account Control” will be pop up. Confirm the request with left click on button “Yes”.

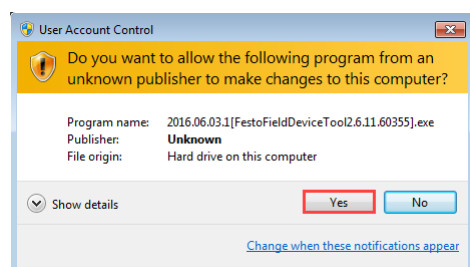


Figure 4-2: Dialog box "User Account Control"

5. A dialog box “Choose your setup language” will be pop up.
Choose your preferred language if you don’t want to use the default settings.
Confirm the request with left click on button “OK”.

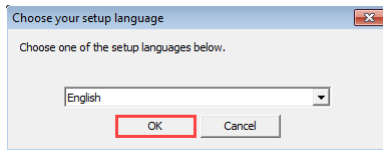


Figure 4-3: Dialog box "Choose your setup language"

6. A dialog box “Festo Field Device Tool Setup” will be pop up.
Confirm the request with left click on button “Next >”.



Figure 4-4: Dialog box "Festo Field Device Tool Setup"

7. A dialog box “Festo Field Device Tool License Agreement” will be pop up.
Select with left click on radio button “I accept the terms in the License Agreement”.
Confirm the request with left click on button “Next >”.

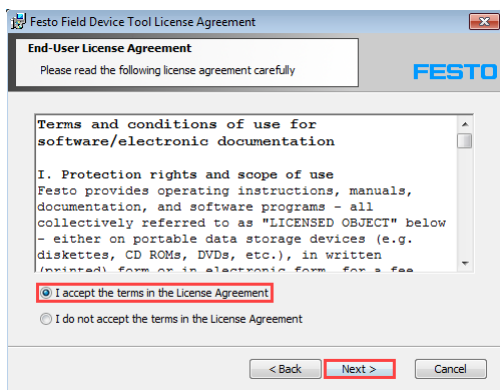


Figure 4-5: Dialog box "Festo Field Device Tool License Agreement"

8. A dialog box “Festo Field Device Tool Setup” will be pop up.
Change the destination folder if you don’t want to use the default settings.
Confirm the request with left click on button “Next >”.

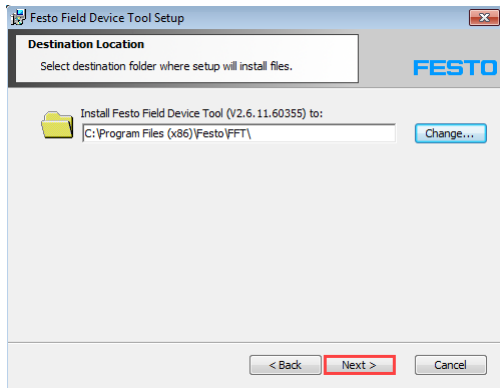


Figure 4-6: Dialog box "Festo Field Device Tool Setup"

9. A dialog box “Festo Field Device Tool Setup” will be pop up.
Change the shortcut options if you don’t want to use the default settings.
Confirm the request with left click on button “Next >”.

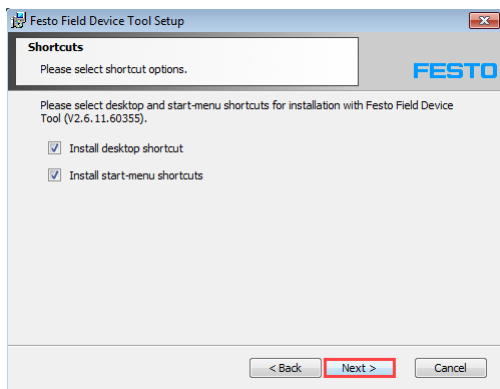


Figure 4-7: Dialog box "Festo Field Device Tool Setup"

10. A dialog box “Festo Field Device Tool Setup” will be pop up.
Confirm the request with left click on button “Install”.

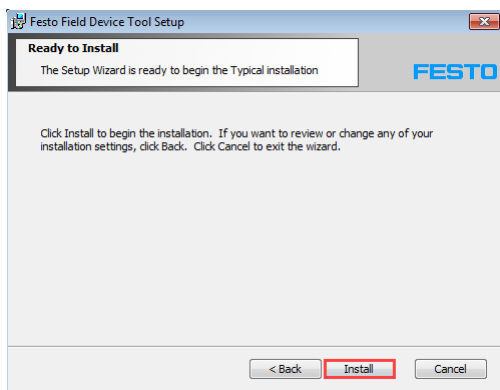


Figure 4-8: Dialog box "Festo Field Device Tool Setup"

11. A dialog box “Festo Field Device Tool Setup” will be pop up.
Confirm the request with left click on button “Finish”.



Figure 4-9: Dialog box "Festo Field Device Tool Setup"

4.2 Firmware update

1. The servo press kit must be connected like in the shown Figure 4-10: Connection overview.

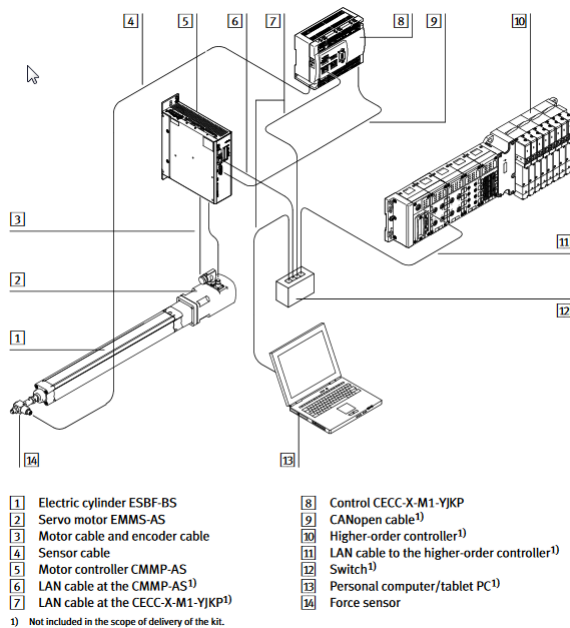
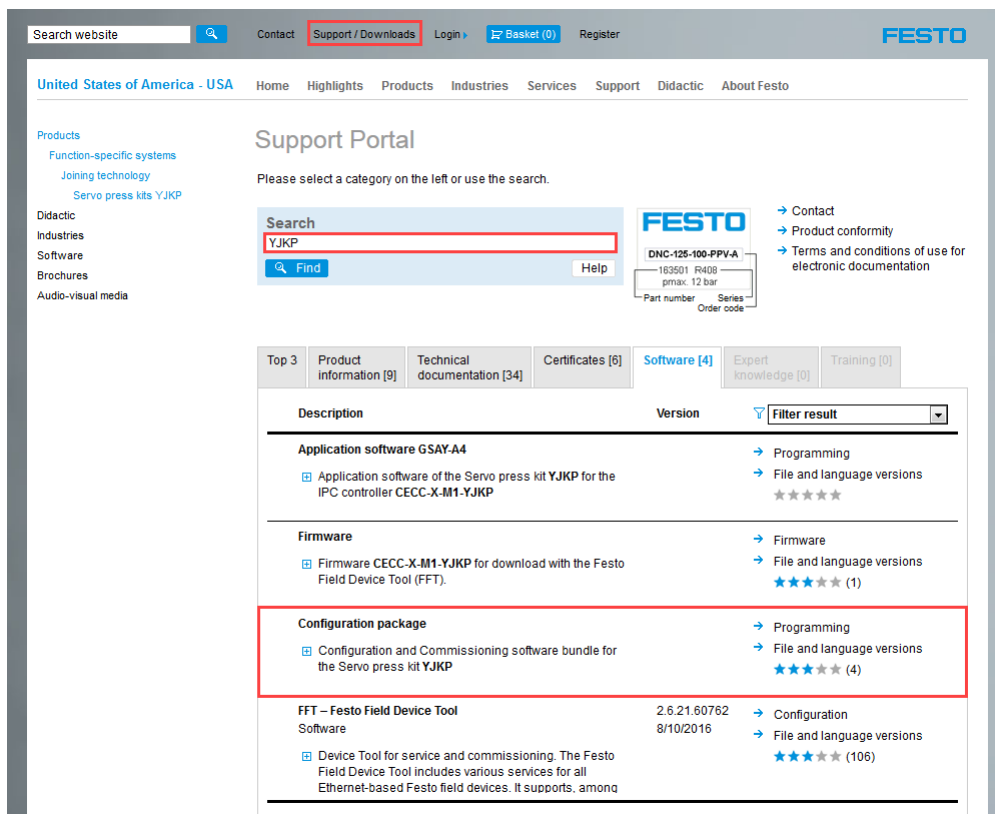


Figure 4-10: Connection overview

2. Download configuration package for the servo press kit.
You can find it on the Festo homepage in the support portal area by searching “YJKP” in the tab “Software”.



4-11: Download configuration package for the servo press kit

3. Unzip configuration package.

4. Execute software “Festo Field Device Tool”.
5. A window “Festo Field Device Tool” will be pop up.
Select tab “Actions” and item “Scan ”with left click.

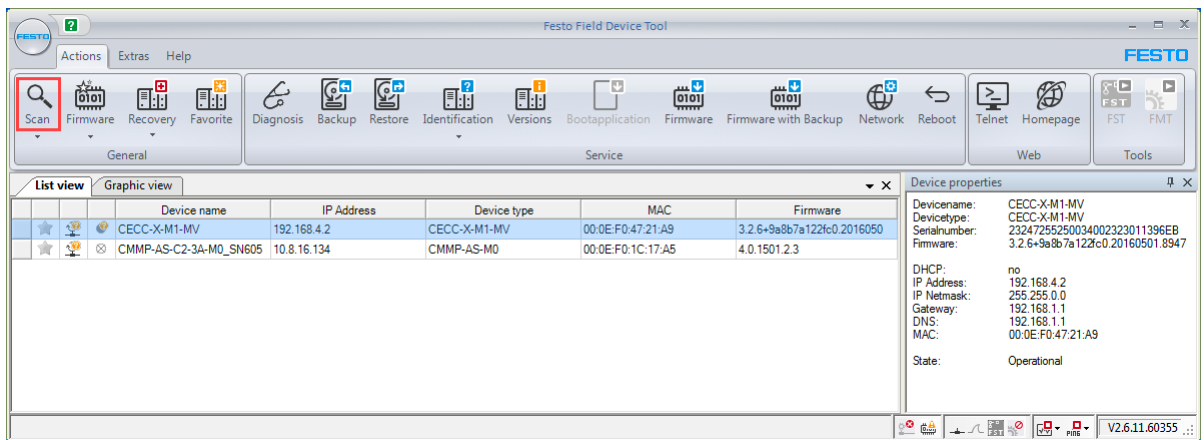


Figure 4-12: Scan for devices

6. Select the controller CECC-X with right click and select item “Firmware” with left click.

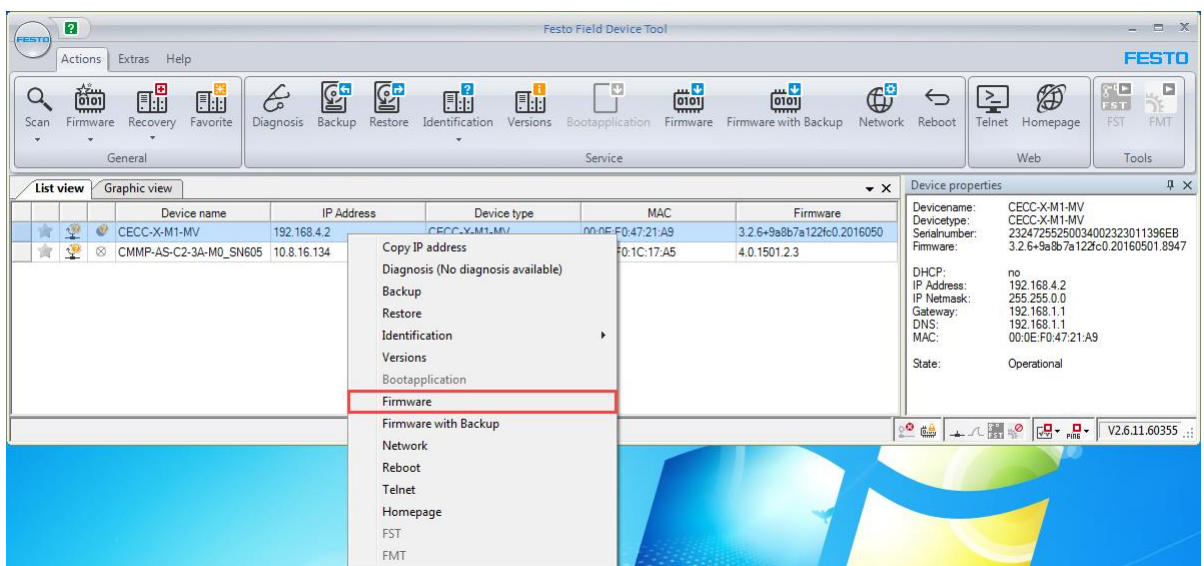


Figure 4-13: Open firmware download

7. A dialog box “Firmware Download” will be pop up.
Confirm the request with left click on button “Yes”.

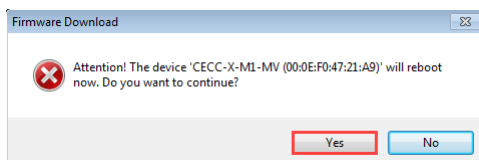


Figure 4-14: Dialog box "Firmware Download"

8. A dialog box “Information” will be pop up.
Confirm the request with left click on button “OK”.



Figure 4-15: Dialog box "Information"

9. A dialog box “CECC-X Firmware downloader” will be pop up.
Select button “Browse” with left click to browse for the firmware files.

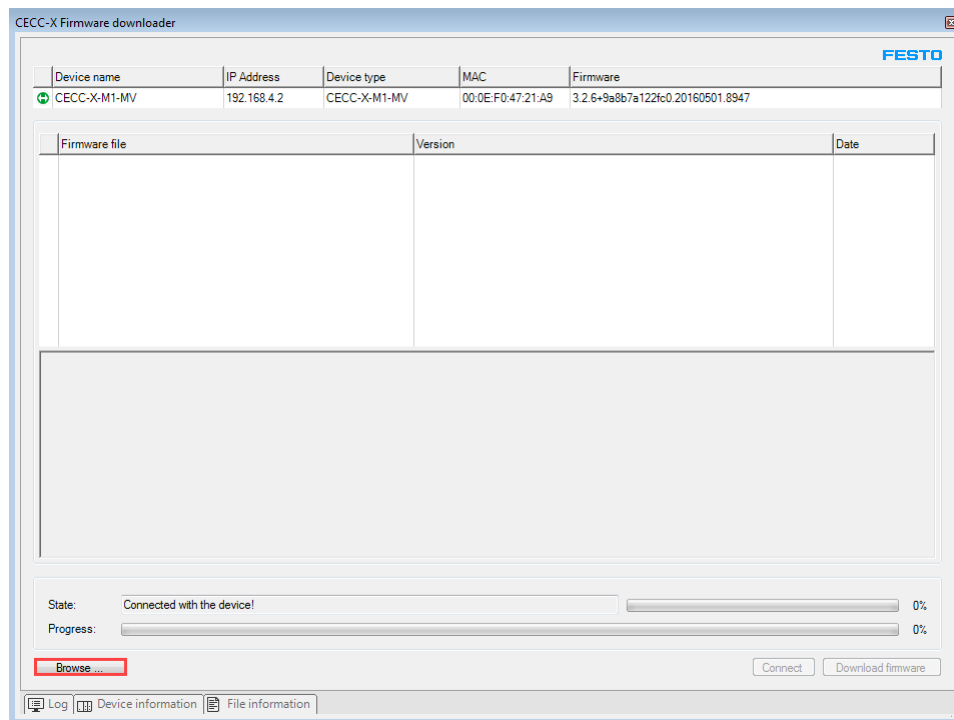


Figure 4-16: Dialog box "CECC-X Firmware downloader"

10. A dialog box “Open” will be pop up.
 Navigate into the data path where the firmware files are stored (In the configuration package in the folder “Firmware”).
 Select the firmware file with the naming “bootloader” with left click.
 Confirm the selection with left click on button ”Open”.

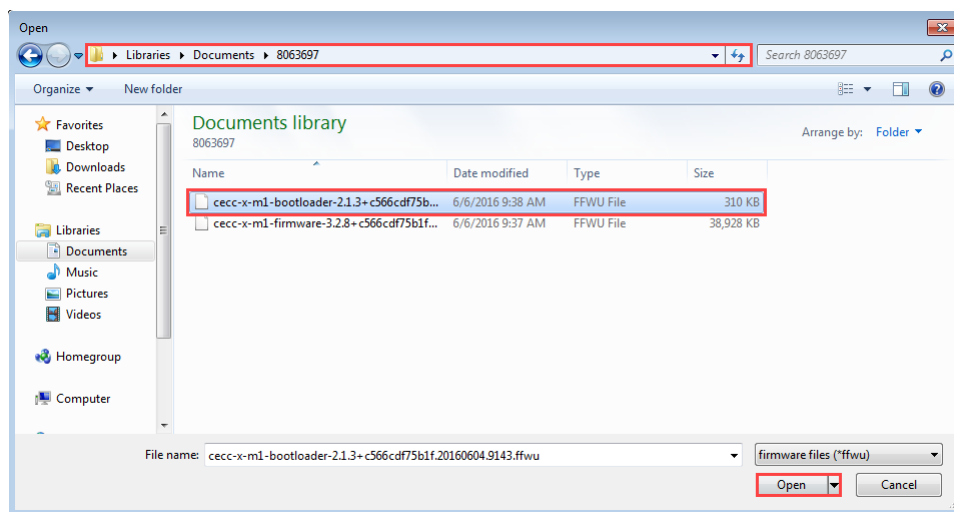


Figure 4-17: Dialog box "Open"

11. A dialog box “CECC-X Firmware downloader” will be pop up.
 Select the firmware file with the naming “bootloader” with left click.
 Confirm the selection with left click on button ”Download firmware”.

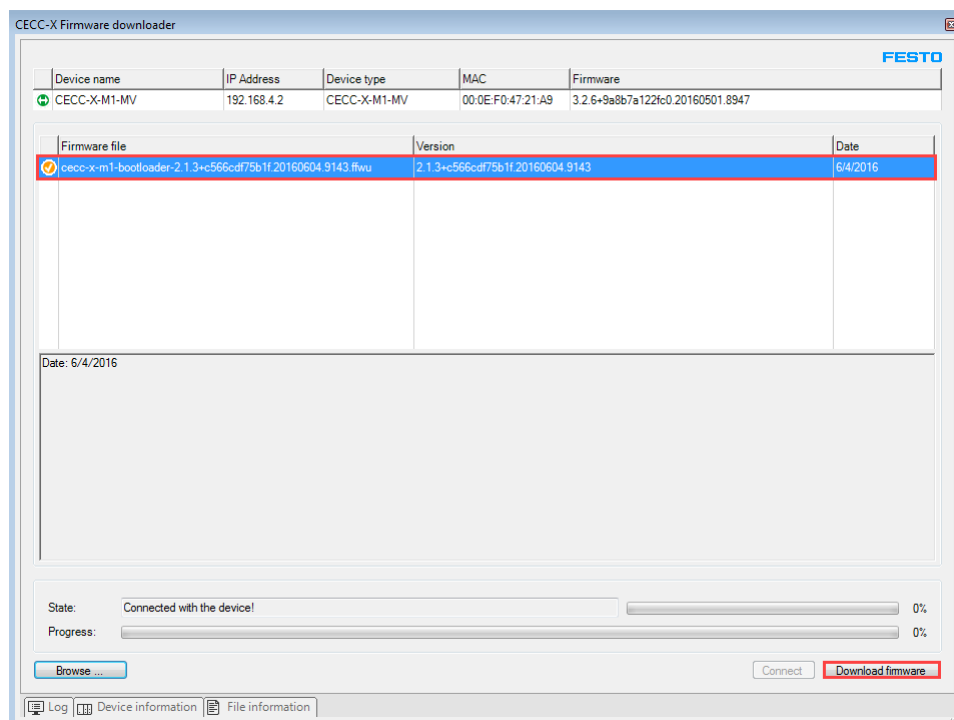


Figure 4-18: "CECC-X Firmware downloader"

12. A dialog box “Firmware Download” will be pop up.
Confirm the request with left click on button “Yes”.

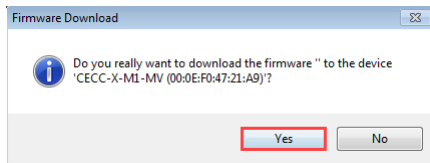


Figure 4-19: Dialog box "Firmware Download"

13. A dialog box “Information” will be pop up.
Confirm the request with left click on button “OK”.



Figure 4-20: Dialog box "Information"

14. A dialog box “CECC-X Firmware downloader” will be pop up.
Close the dialog box with left click on button “Close”.

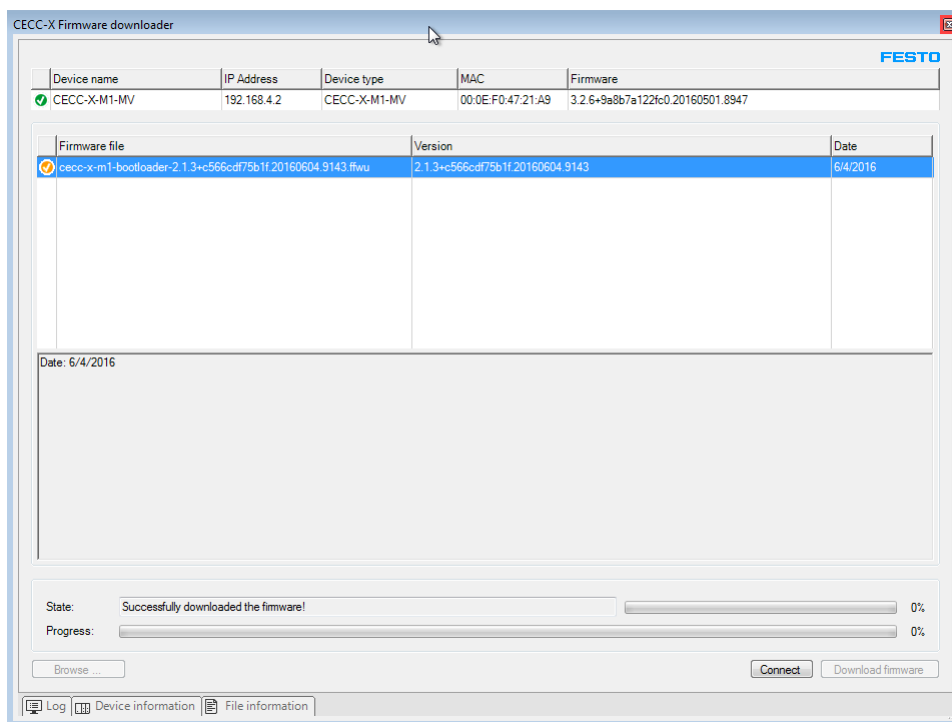


Figure 4-21: Dialog box "CECC-X Firmware downloader"

15. Select the controller CECC-X with right click and select item “Firmware” with left click.

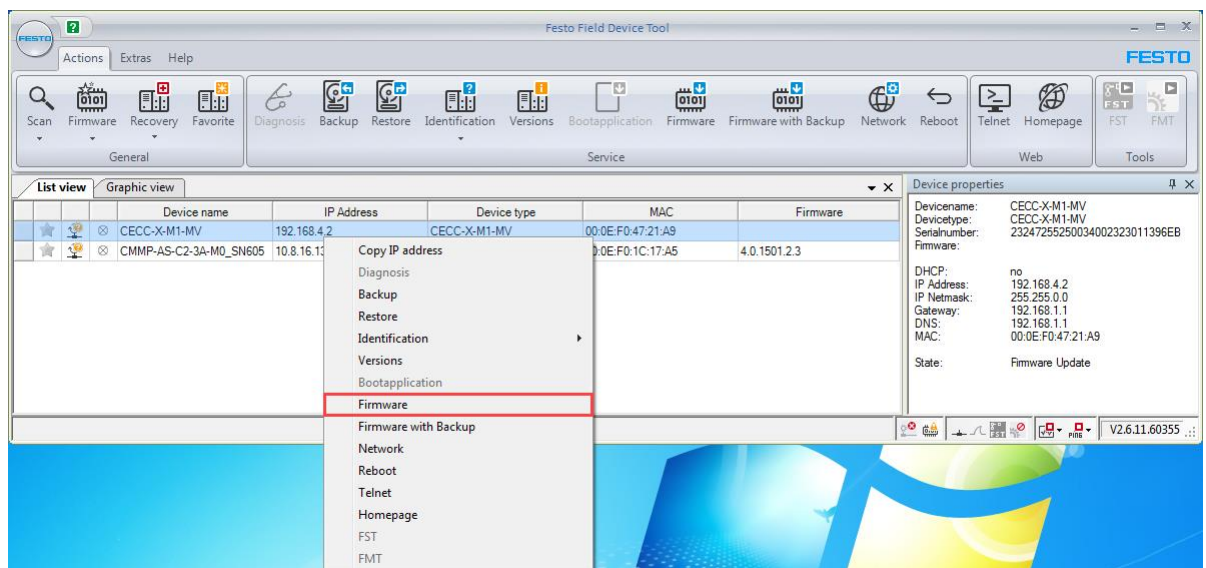


Figure 4-22: Open firmware download

16. A dialog box “Firmware Download” will be pop up. Confirm the request with left click on button “Yes”.

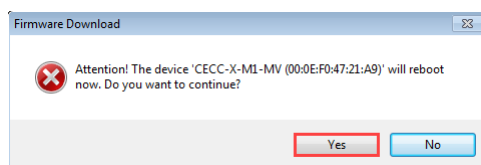


Figure 4-23: Dialog box "Firmware Download"

17. A dialog box “Information” will be pop up. Confirm the request with left click on button “OK”.



Figure 4-24: Dialog box "Information"

18. A dialog box “CECC-X Firmware downloader” will be pop up.
Select button “Browse” with left click to browse for the firmware files.

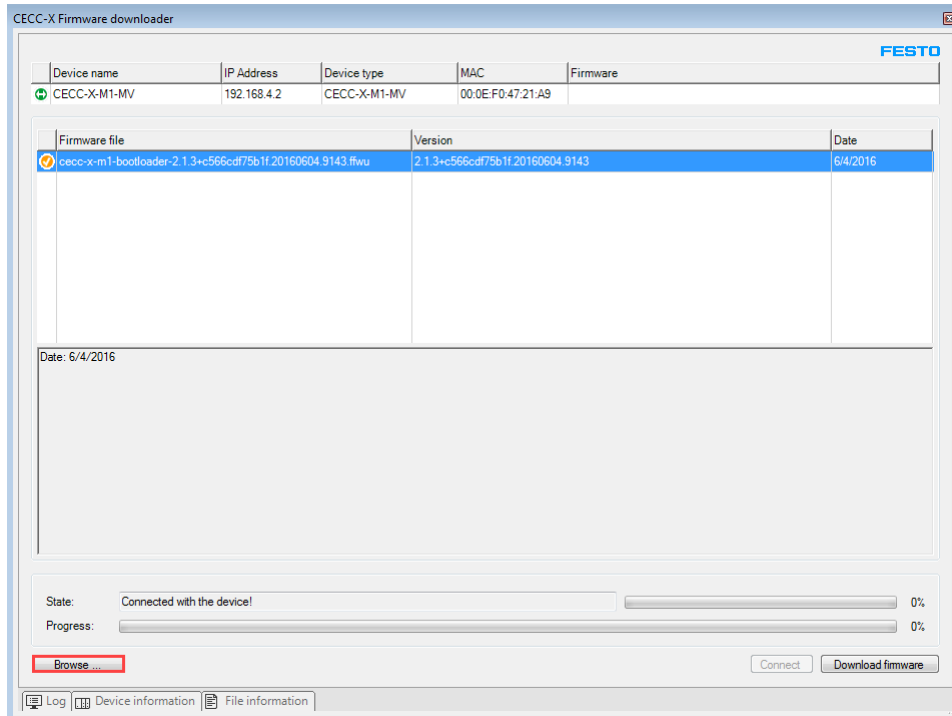


Figure 4-25: Dialog box " CECC-X Firmware downloader "

19. A dialog box “Open” will be pop up.
Navigate into the data path where the firmware files are stored (In the configuration package in the folder “Firmware”).
Select the firmware file with the naming “firmware” with left click.
Confirm the selection with left click on button “Open”.

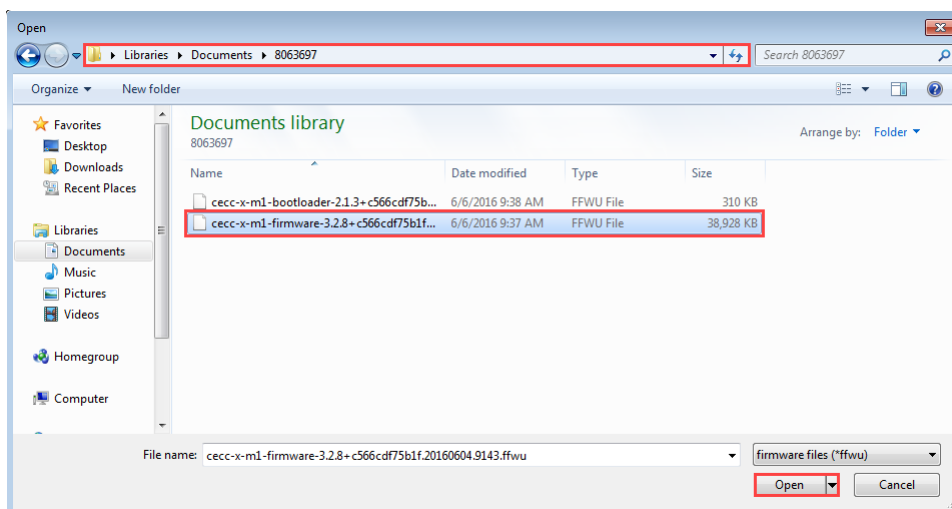


Figure 4-26: Dialog box "Open "

20. A dialog box “CECC-X Firmware downloader” will be pop up.
Select the firmware file with the naming “firmware” with left click.
Confirm the selection with left click on button ”Download firmware”.

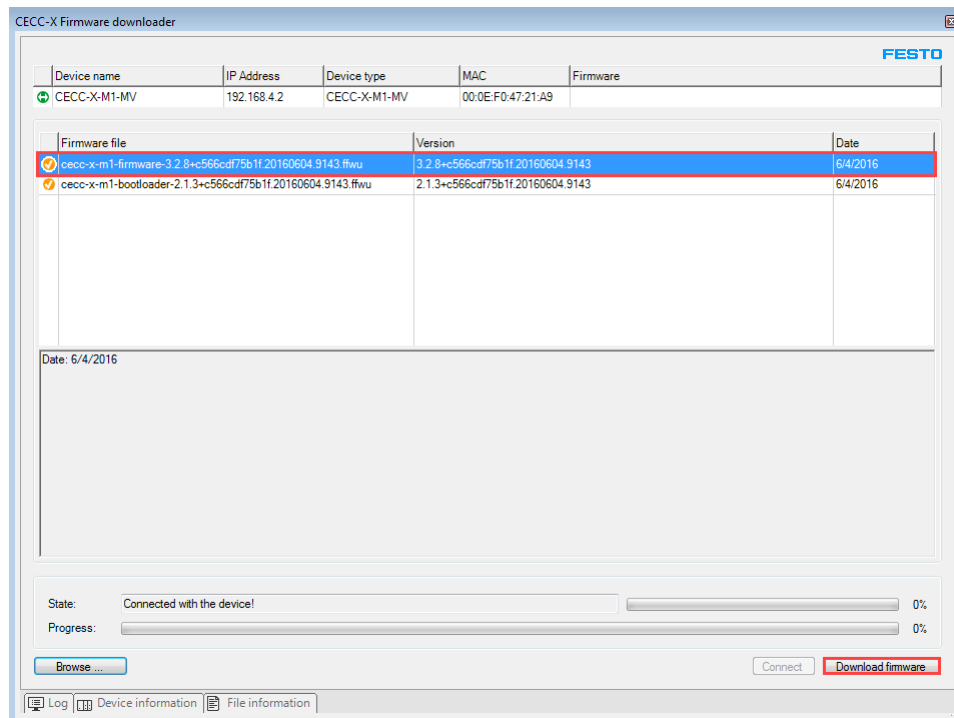


Figure 4-27: Dialog box "CECC-X Firmware downloader"

21. A dialog box “Firmware Download” will be pop up.
Confirm the request with left click on button “Yes”.

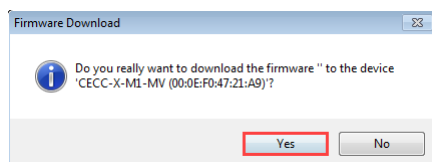


Figure 4-28: Dialog box "Firmware Download"

22. A dialog box “Information” will be pop up.
Confirm the request with left click on button “OK”.



Figure 4-29: Dialog box "Information"

23. A dialog box “CECC-X Firmware downloader” will be pop up.
Close the dialog box with left click on button “Close”

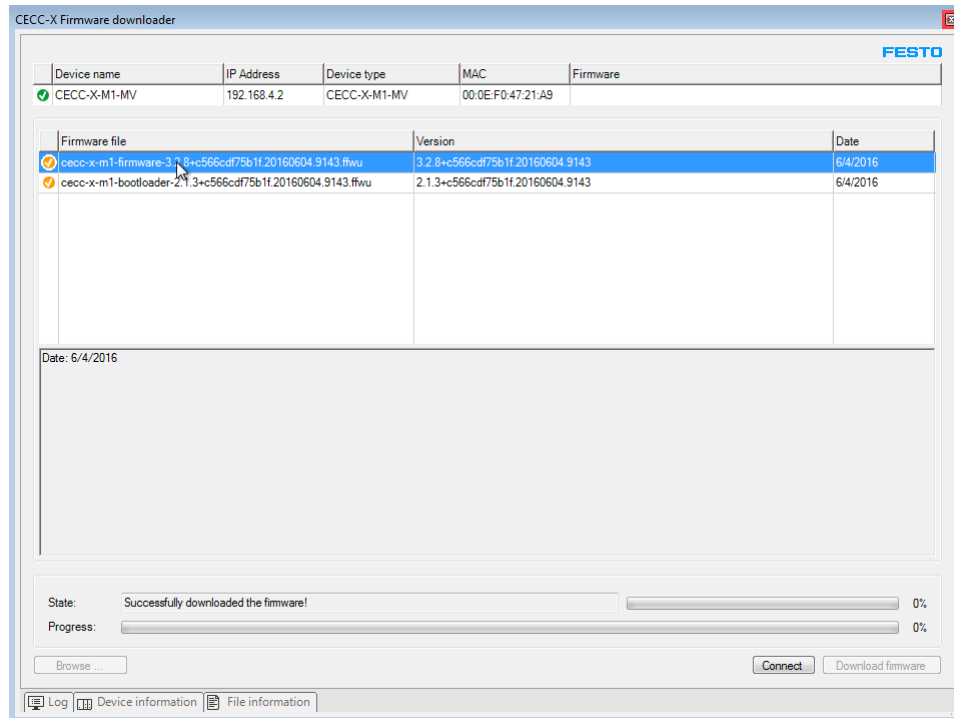


Figure 4-30: Dialog box "CECC-X Firmware downloader"

5 Software update of the application software GSAY

5.1 Installation Festo Field Device Tool (FFT)

See section 4.1.

5.2 Software update

1. The servo press kit must be connected like in the shown Figure 5-1: Connection overview.

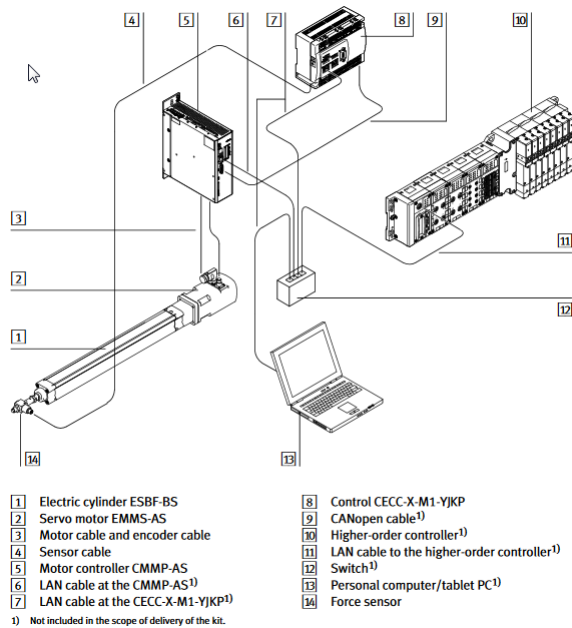
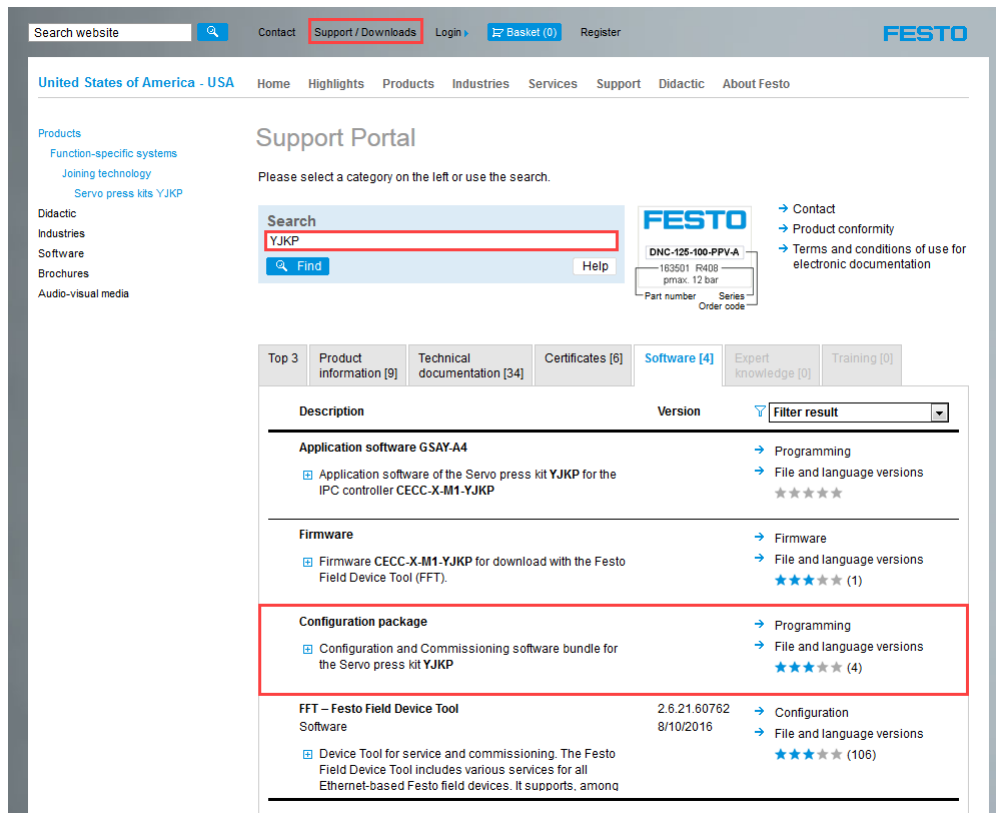


Figure 5-1: Connection overview

- Download configuration package for the servo press kit.
You can find it on the Festo homepage in the support portal area by searching “YJKP” in the tab “Software”.



5-2: Download configuration package for the servo press kit

- Execute software “Festo Field Device Tool”.
- A window “Festo Field Device Tool” will be pop up.
Select tab “Actions” and item “Scan ”with left click.

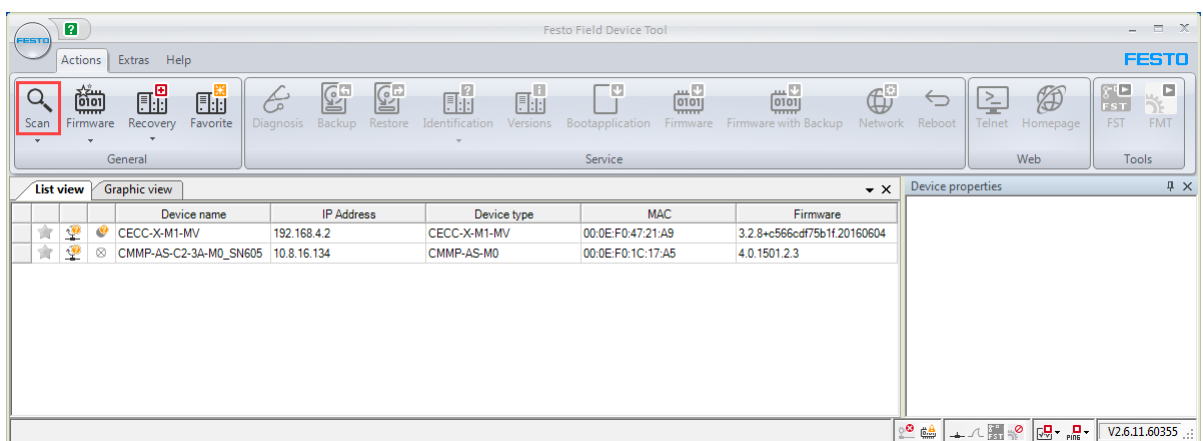


Figure 5-3: Scan for devices

5. Select the controller CECC-X with right click and select item “Restore” with left click.

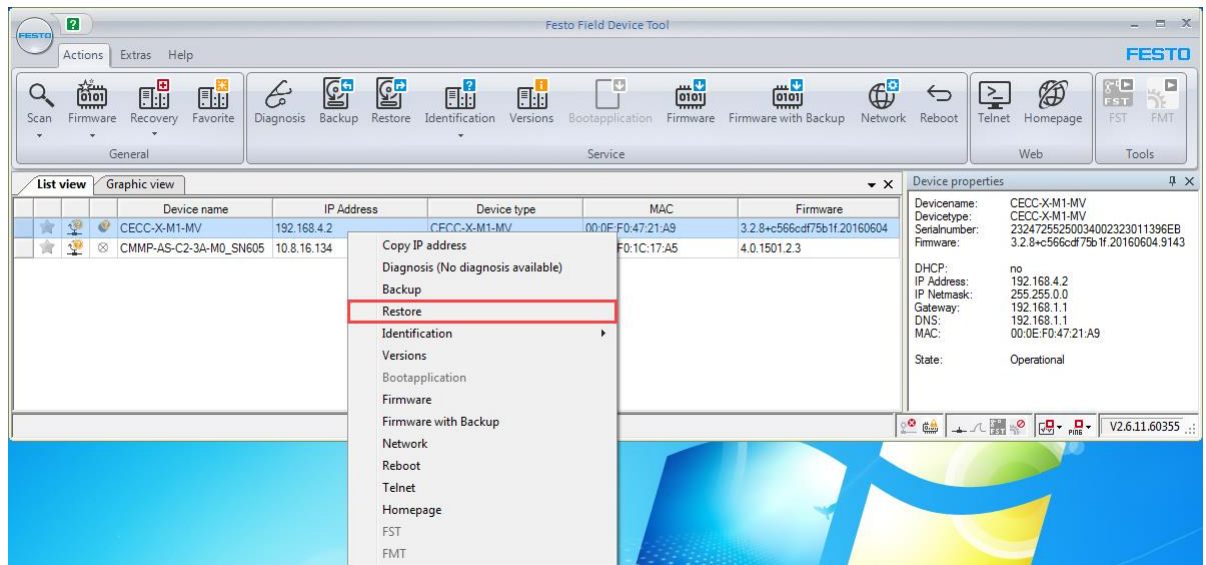


Figure 5-4: Open restore application software

6. A dialog box “Restore” will be pop up.
Select button “Browse” with left click to browse for the application software file.

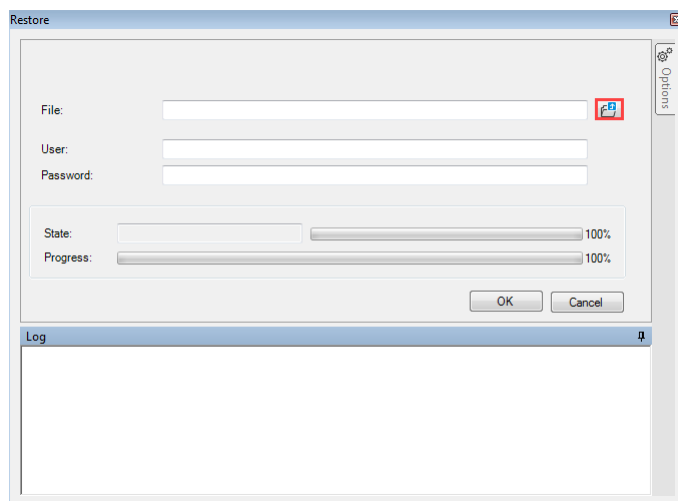


Figure 5-5: Dialog box "Restore"

7. A dialog box “Open” will be pop up.
 Navigate into the data path where the application software file is stored (In the configuration package in the folder “Software”).
 Select the application software file with left click.
 Confirm the selection with left click on button “Open”.

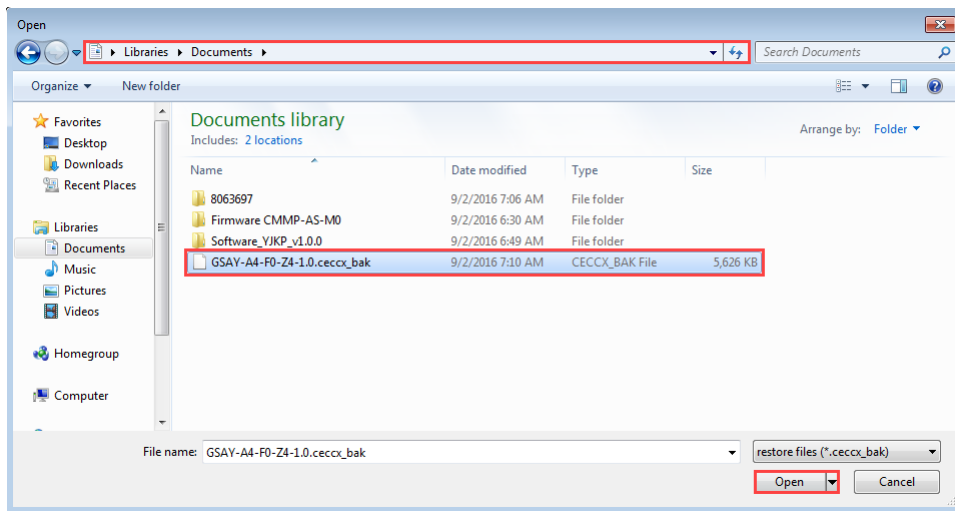


Figure 5-6: Dialog box "Open"

8. A dialog box “Restore” will be pop up.
 Confirm the selection with left click on button “OK”.

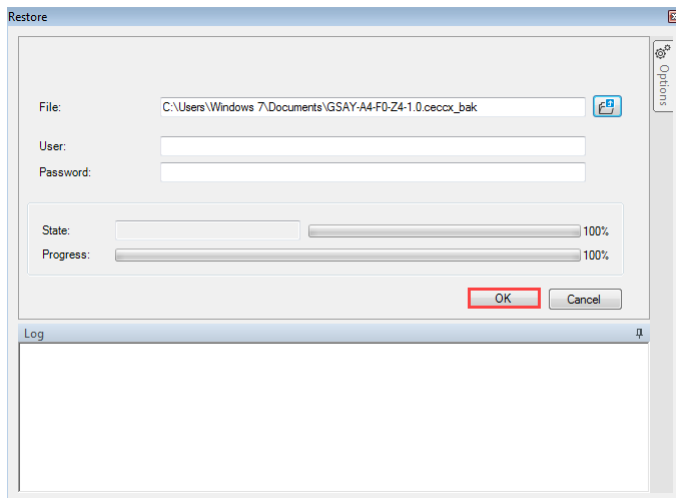


Figure 5-7: Dialog box "Restore"

9. A dialog box “Restore” will be pop up.
 Confirm the request with left click on button “OK”.

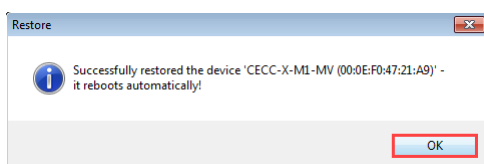


Figure 5-8: Dialog box "Restore"

10. A dialog box “Restore” will be pop up.
Close the dialog box with left click on button “Close”

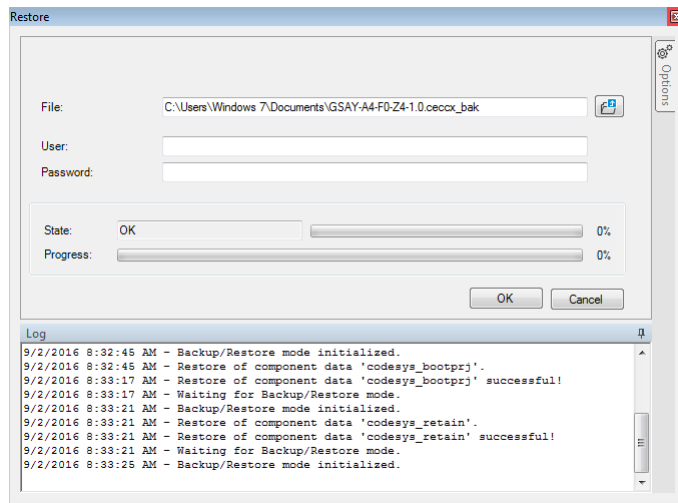


Figure 5-9: Dialog box "Restore"