**System Manager Handling auf C6 HMI**  
**FAQ No.0004**

<table>
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<tr>
<th>Part</th>
<th>Version</th>
<th>Revision</th>
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Introduction
This document describes the use of the function “Backup / Restore” which is available on the C6 HMI. It can be used for updating the firmware as well as for the creation of a backup and restoration of the system.
If the Backup Restore Tool is not installed on the HMI, you can install it yourself.
Which version of the system manager (contains the Backup / Restore Tool) is needed depends on the corresponding image version of the device. An image update of the system always requires an update of the system manager!

Install the Function „Backup Restore” Tool

Install the „Backup Restore“ Tool
If the „Backup Restore“ Tool is not installed on the HMI System, you can install it yourself. Please use for the installation the right Symbol “SystemManagerSetup”. The following message you have to confirm with “Yes” during the installation process.
Function „Backup“

Calling up the function „Backup/Restore“

Create a backup of the existing system
Start the backup by clicking on “Run” and select a storage location for the backup file.

Process of the backup is started.
As soon as the backup process is complete, the file can be used in the selected folder.
Backup of specific system features into a project archive (*.asr)

Select the desired components which should be saved in the backup. Then start the backup via the button „Run“.
Select the storage location for the backup file.

The backup process is started.
Backup / Restore

Customize the components if needed:
- Operating system image
- Operating system configuration
- ASEM applications autostart settings
- Display (rotation, backlight, color depth)
- General (device name, description)
- Network (IP addresses and network adapter settings)
- Serial port configuration
- System Time (daylight saving and timezone settings)
- Font settings (smoothing and anti-aliasing)
- Premium HMI
- Application files
- Projects
- Unity Runtime
- CodeSYS (application and project files)
- MPI Server
- Custom registry keys

Backup completed.

File View
Backup / Restore Certificates Date/Time
Network and Backup Container
Volume & Sounds

Start Control Panel Backup / Restore
Function „Restore“

Important hint

The following files *(config.xml and auth.bin)* in the folder *(MMCMemory/COMBIVIS connect Runtime)* of the used device must be saved necessarily before you execute the restore process of the default system settings.

After the restore, these files *(config.xml and auth.bin)* have to be transferred to the folder *(MMCMemory/COMBIVIS connect Runtime)* again.

However, the file *auth.bin* is only available if the COMBIVIS connect runtime has connected with the COMBIVIS connect server (server infrastructure) at least once.

Restore of a system by means of backup

![Backup/Restore dialog box](image-url)
Select a backup file and click "OK".

Confirm the restore message with "Yes".
Also confirm the second and third message during the process with “OK”. These messages indicate that the operating system is changed and the system may not be stopped before the end of the process.
The restore process is started after that.

After the update, the currently installed version can be viewed in the displayed file "KEB VersionInfo txt" (folder: NANDFlash) below. If you can't find the file on your HMI, so you have installed a version < V3.0.
After the update, you must recalibrate the touchscreen from the HMI. You will find this function in the settings of the control panel.

Afterwards you execute the displayed function “Stylus” for the recalibration please.

It opens the following window in which you have to select the register “calibration” on top. After that you must execute the function via the button “Recalibrate”. Now the system leads you through the calibration routine until the HMI is recalibrated.

Note: Please don’t execute the calibration routine with a connected mouse.
After you have recalibrated the display, you have to take over and secure the new data by the “Registry Saver” from the HMI, so that the data are retained after a restart.

You have to confirm the “Registry Saver” function two times, so that the data are safely taken over.
Disclaimer

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