

# EPIK / UNIK V3

## Full Backup & Restore Manual



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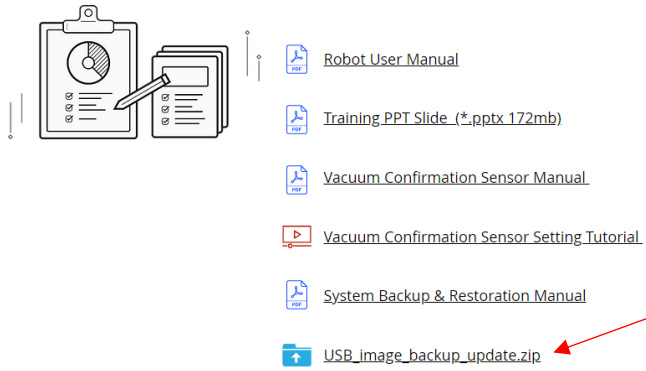
- 1. Preparation**
- 2. Backup to USB drive**
- 3. Restoration from USB drive**

# Prepare a backup USB drive



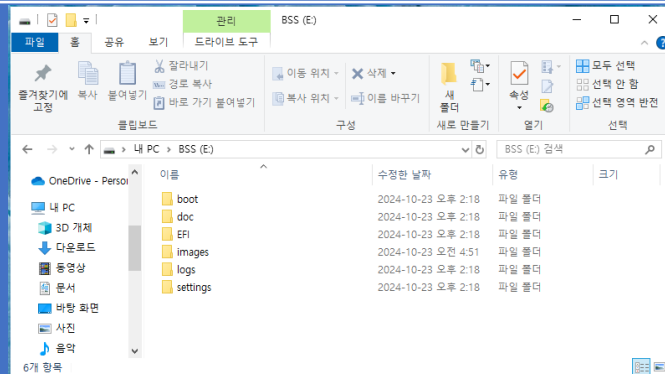
1. Rename the USB drive to "BSS"

## 1. USER MANUAL



2. Download this file from the website:

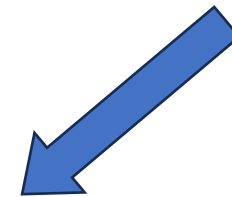
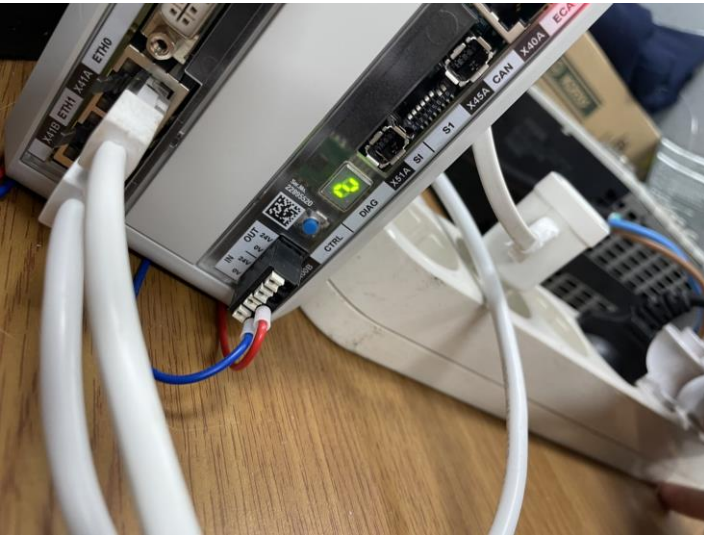
<USB\_image\_backup\_update.zip>



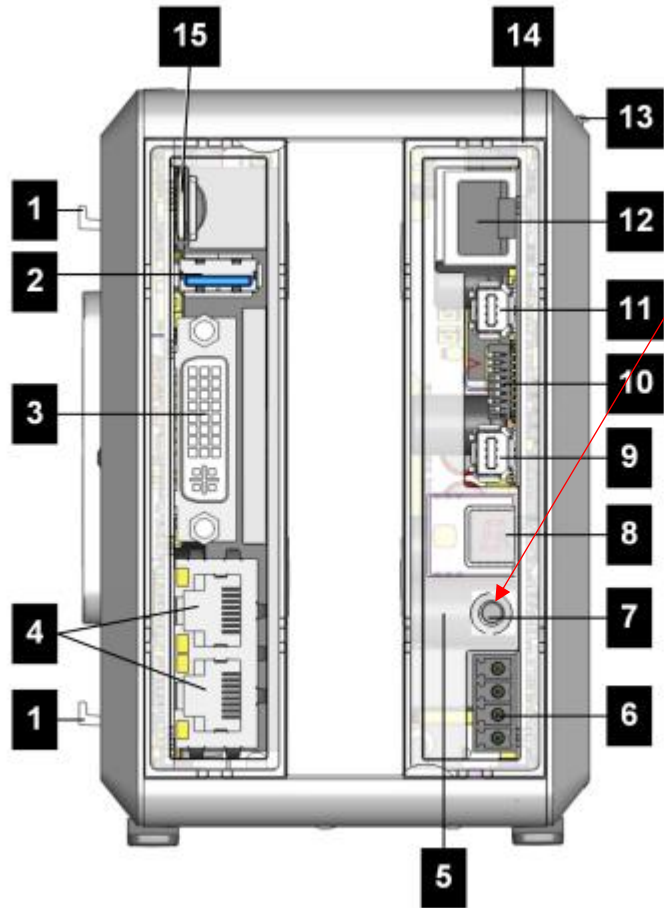
3. Unzip the downloaded file and copy and paste it to the BSS USB drive.



Plug the prepared USB drive into the PLC and power it on.  
The LED screen will display numbers and then show 0.



# Blue CTRL button



Use this blue Ctrl button to back up data to USB drive, or to restore data from USB drive.

# **How to backup to USB drive**

# Backup to USB Drive

- ❖ Plug the prepared USB drive into the PLC and power it on. The LED screen will display numbers and then show 0.
- ❖ Do not remove the USB drive or turn off the power during the process.



Processing



If you see "S", the backup has been completed successfully. "S" stands for "Success".

Press the Ctrl button until you see a "B".  
**"B" stands for "Backup"**.  
Press and hold the Ctrl button to start the backup.



# Backup file location on USB drive

- application
- application\_KHN
- boot
- doc
- EFI
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Double\_IO4
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Double\_IO5
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Single\_IO4
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Single\_IO5
- images
- logs
- settings
- statusreport
- UI

# Backup file location on USB drive

CP\_505\_A\_2023-07-07\_03-37

CP\_505\_A\_2023-07-25\_01-12

CP\_505\_A\_YYYY\_MM\_DD

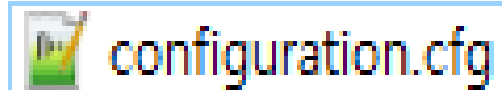
The folder name is timestamped with the date and time of the backup.

# **How to restore a backup image file from USB drive**

# Set up the backup file on the USB to be used for recovery

- application
- application\_KHN
- boot
- doc
- EFI
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Double\_IO4
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Double\_IO5
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Single\_IO4
- HYCartesian\_Std\_1.0.5\_20230428alpha\_Single\_IO5
- images
- logs
- settings
- statusreport

# Set up the backup file on the USB to be used for recovery



Open this file with text editor.

```
1 # -----
2 #
3 # This is a short example on how to use this configuration-file for BSS
4 #
5 # To use a setting just remove the ; at the beginning of the line and set the value according to your needing.
6 # For example: writeLog=1
7 # -----
8
9 # General Settings
10 [General]
11 # An automatic backup is triggered after the is
12 # It only needs to be confirmed to start the ba
13 ;doAutoBackup=[0 | 1]
14 # An automatic restore is triggered after the i
15 # It only needs to be confirmed to start the re
16 ;doAutoRestore=[0 | 1]
17 # write detailed information about the restore
18 ;writeLog=[0 | 1]
19
20 # Settings for Backup
21 [Backup]
22 # Set a Pattern or a name for the backup-name
23 ;systemName="%YYYY%_MM%_DD%_hh%_mm%_ss%_MACADDR%_ORDERNO%_SERIALNO%_myBackup"
24
25 # Settings for Restore
26 [Restore]
27 # Set a default restore system name
28 # This system will be restored on your device
29 systemName=CP 505 A 2023-07-07 03-37
30 # An automatic backup is triggered before a restore is done.
31 # It only needs to be confirmed to start the backup process.
32 ;doBackupBeforeRestore=[0 | 1]
33
```

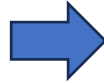
ex) systemName=CP\_505\_A\_2023-07-25\_01-12

Copy and paste the exact name of the folder you wish to restore from into this field



# Restoration from USB Drive

- ❖ Plug the prepared USB drive into the PLC and power it on. The LED screen will display numbers and then show 0.
- ❖ Do not remove the USB drive or turn off the power during the process.



Press the Ctrl button until "R" shows up.  
**"R" stands for "Restore"**.  
Press and hold the Ctrl button to move to the next.

Asking Confirm.  
"C" stands for confirmation.  
Press and hold.

Processing

If you see "S", the restoration has been completed successfully. "S" stands for "Success".

If you see "F", it means failure.