

Backup Procedure AM600



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1 GENERAL DATA

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Date: 31.03.2021

Hardware: AM600

Software: InoShopPro v1.5.2

Info: AM600 procedure guide

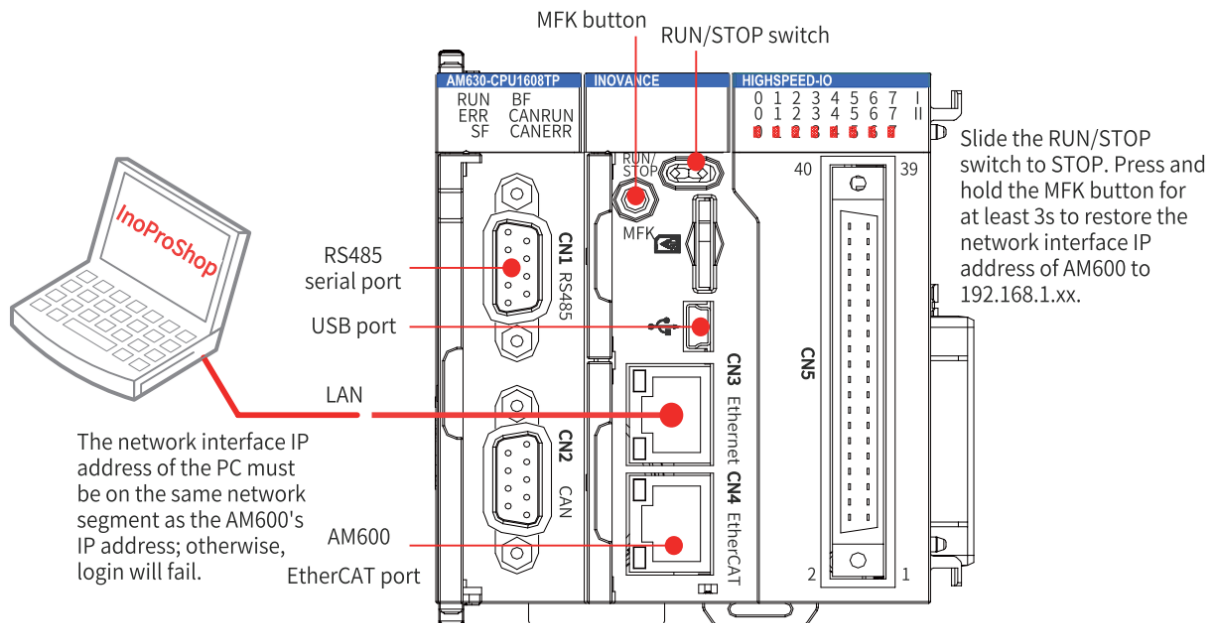
Revision	Date	Revising Author	Description
1.0	11.12.2020	Raúl Sampé	First issue
1.1	31/03/2021	Raúl Sampé	Added Log In to AM600 section Added InoProShop source code

2 PURPOSE OF THIS DOCUMENT

The purpose of this document is to facilitate the backup of the AM600 motion controller. In order to follow the steps in this manual, it is necessary to have the InoProShop software installed.

3 LOG IN TO AM600

Communication between the InoProShop software and the AM600 controller can be done via Ethernet or a USB connection. These two methods are explained in the following sections.



3.1 USB CONNECTION

To connect through the USB port you need a cable with a MiniUSB connector. To log in to the PLC through USB, connect the MiniUSB port. Wait for 20s to 60s until the device can be detected.



NOTE The USB drive is automatically installed during InoProShop software installation. If not, you can find the file named "<PLC series> user drive" in the Common folder under the installation directory.

Then update the drive in the Windows Device Manager. The drive is installed from the installation directory. After the USB connection is successfully set up, the Windows Device Manager displays the drive program installed.

NOTE If both USB connection and network connection are available, the network connection is used because its network scanning speed is faster.

3.2 ETHERNET CONNECTION

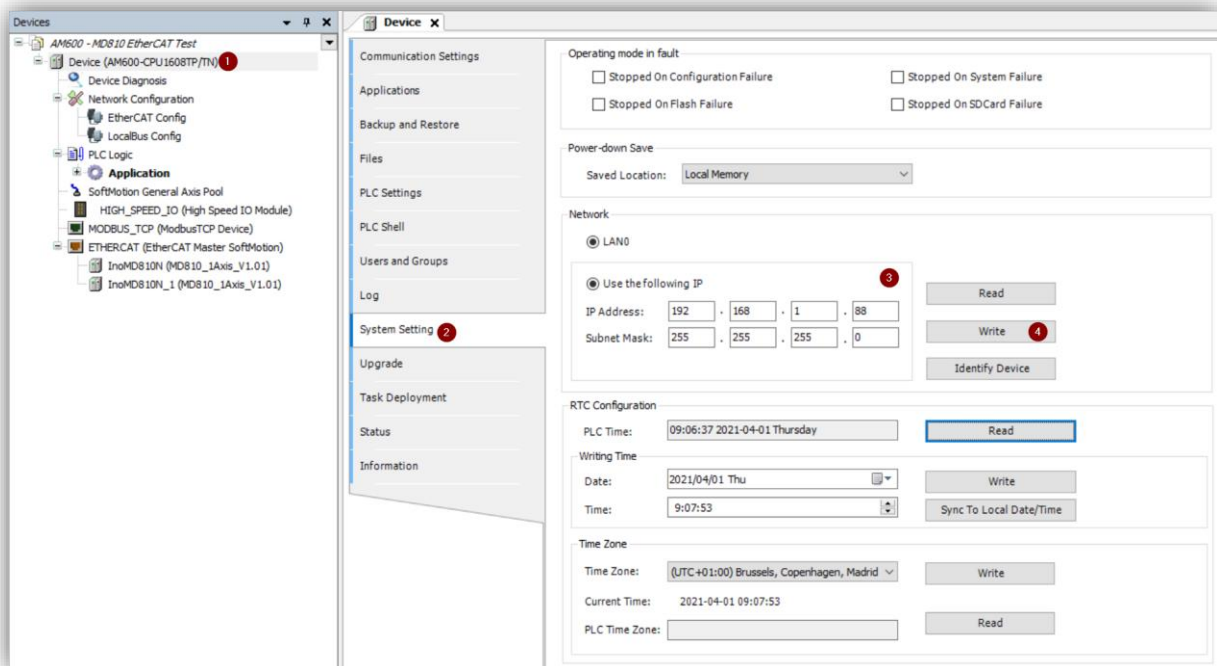
The PC can be connected to the AM600 through a network cable in peer-to-peer mode, or connected to multiple AM600 through router or hub. Multiple PCs connected to the network can also access the same AM600.

A PC can log in to the AM600 only when their IP addresses are in the same network segment. Otherwise, the InoProShop cannot detect the AM600. For example, **the default IP address of AM600 is 192.168.1.88**. If a PC's IP address is 192.168.1.xxx (xxx ranges from 1 to 254, but is different from that in the IP address of AM600), the InoProShop can detect the AM600 and exchange data with it. Then, you can download and monitor the user program. If the IP address of AM600 has been changed to another network segment, the PC and AM600 cannot set up communication. In this situation, restore the default IP address 192.168.1.88 of AM600, and change the PC's IP address to 192.168.1.xxx.

NOTE Procedure to reset IP address: Change the RUN/STOP switch to STOP. Press and hold the MFK button for at least 3s to restore network IP address of AM600 to 192.168.1.88

3.2.1 CHANGE IP ADDRESS

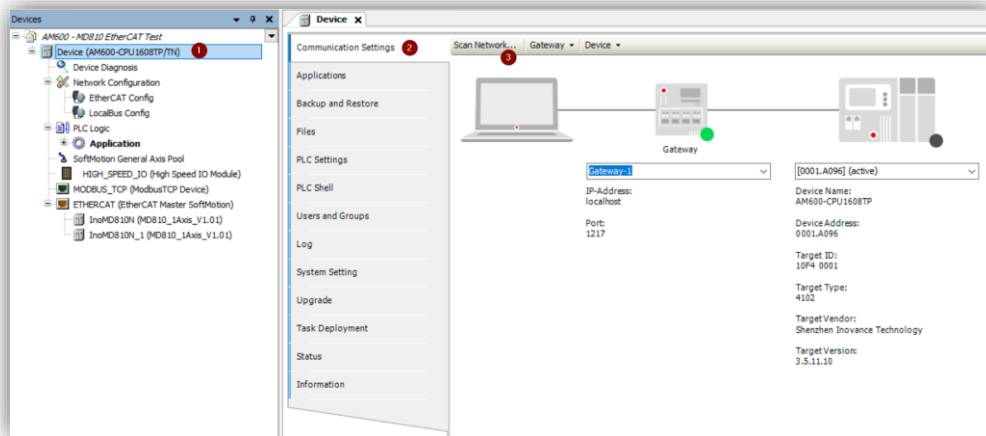
In the InoProShop, double-click Device (AM600-CPU-1608TP/TN) and access to “System setting” tab. The following interface is displayed:



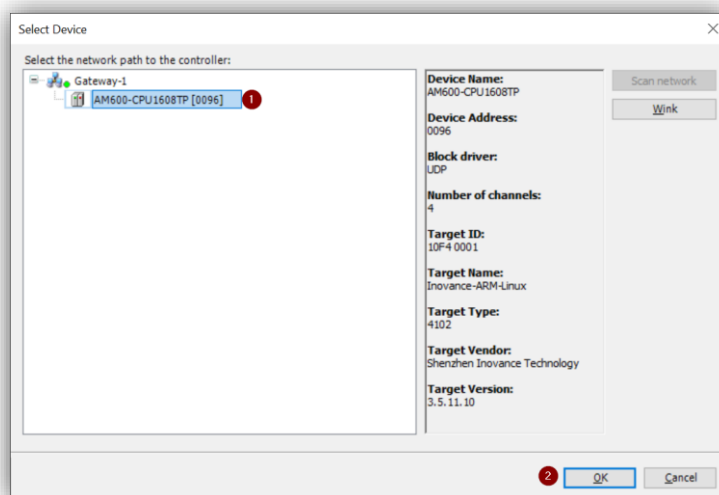
Modify the IP address and mask, and click on button “Write”

3.3 SCANNING AM600 IN INOPROSHOP

In the InoProShop, double-click Device (AM600-CPU-1608TP/TN). The following interface is displayed:



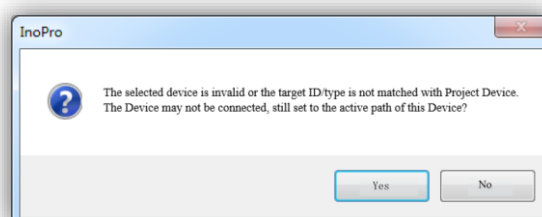
Click Scan Network.... The following interface is displayed with the detected devices.



The device detected is AM600-CPU1608TP[0096]: The last two digits "96" in brackets is the fourth bits in the IP address of AM600. "96" is in hexadecimal format, and its decimal notation is 150.

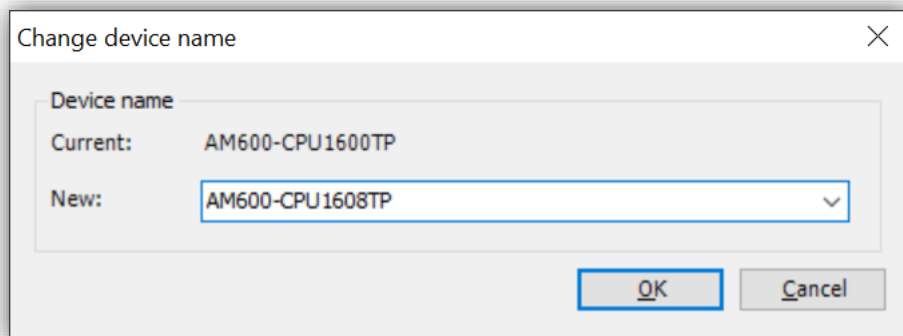
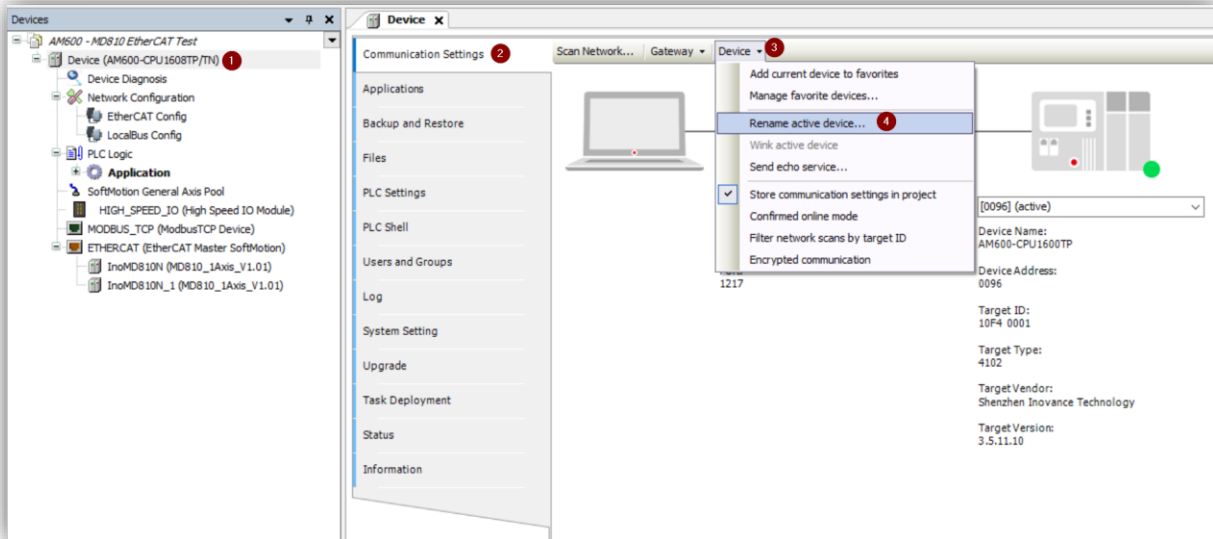
Double-click the selected device, or select a device and click OK. The host computer is connected to the device.

If the controller ID recorded in the project is different from the selected controller ID, the following information may be displayed. To connect to the network, click Yes.



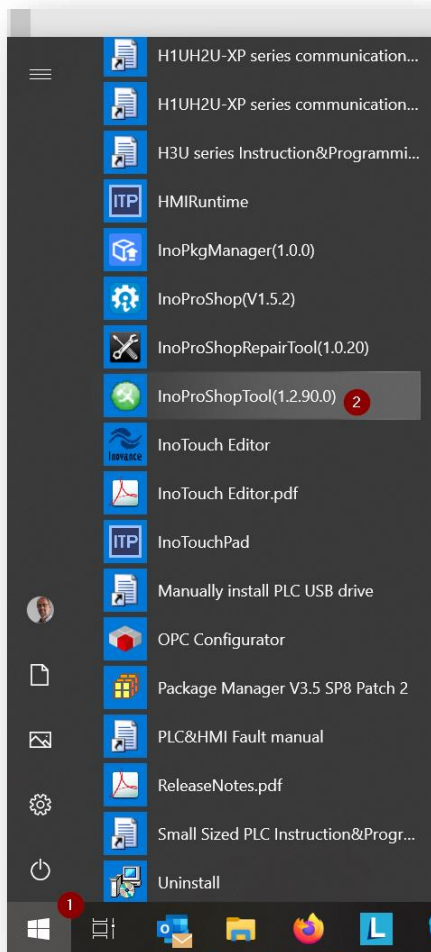
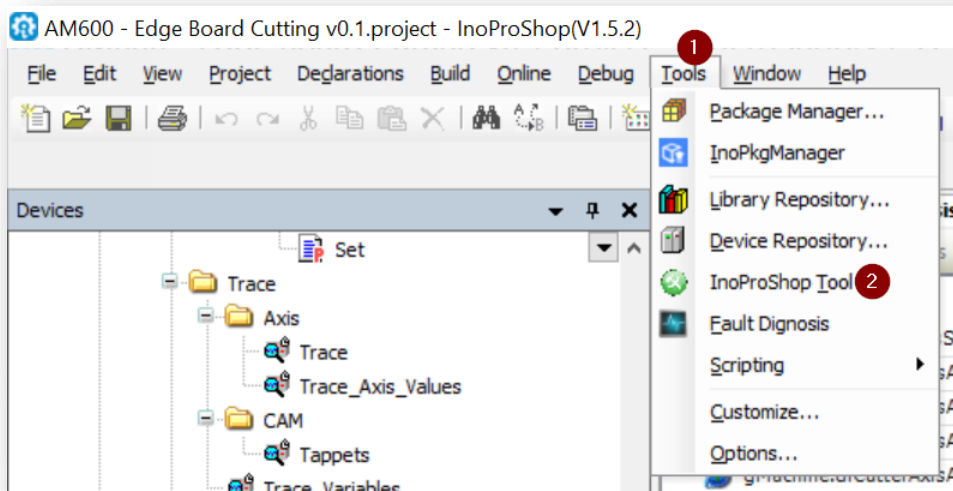
3.4 CHANGE DEVICE NAME

After logging in, you can modify the device name so that you can easily identify the devices when there are multiple controllers.



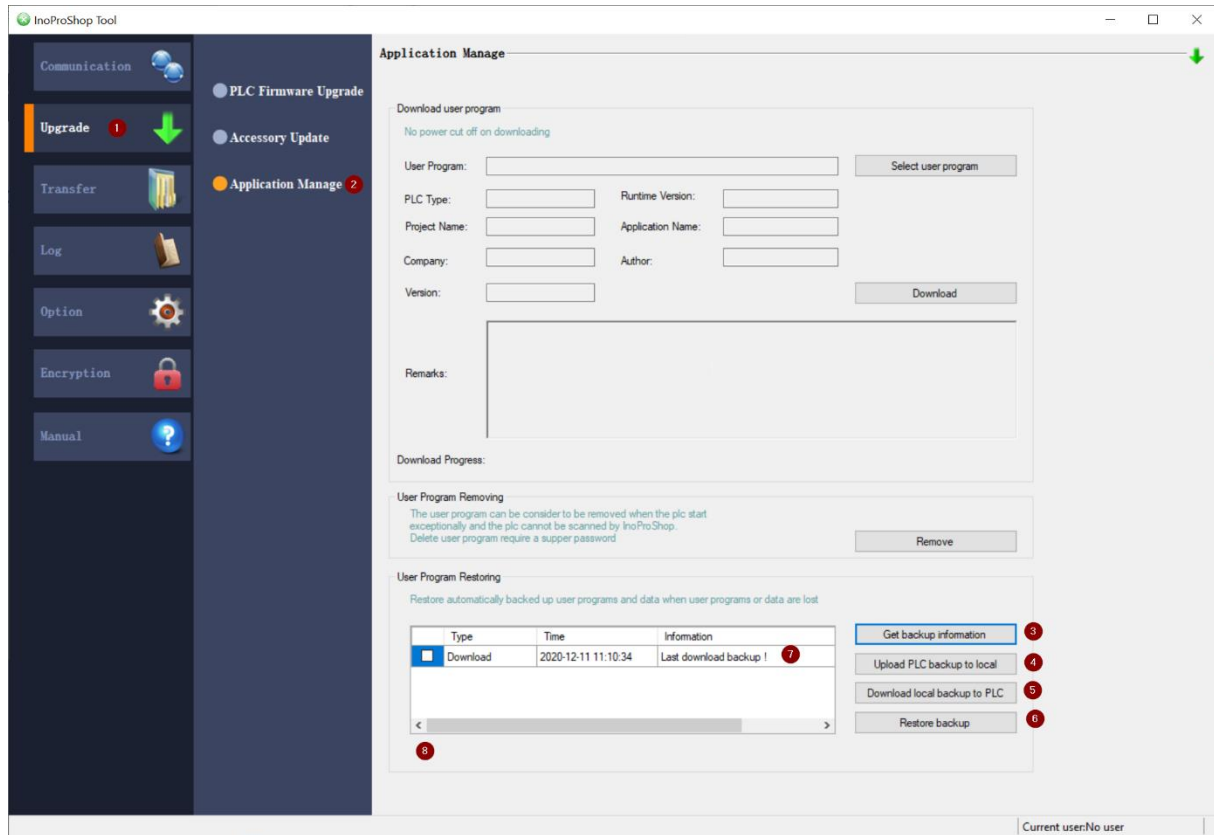
4 INOSHOPPRO TOOL

Open InoShopPro Tool from program interface or from Windows Start menu



4.1 BACKUP/RESTORE USER PROGRAM

Access the "Upgrade" tab in the "Application Manage" section to use the backup / restore tools:



Access to application manager [1][2]

[3] Get backup information: Click the "Get Backup Information" button to get the latest user program downloaded in the connected device:

- the last time the user program online modified,
- the type of backup file,
- backup file information

[4] Upload PLC backup to local: click the "Upload PLC backup to local" button to upload the backup file on the selected device to the local host, a browse window will pop up during the upload process to select the path to save the uploaded backup file. The file name of the compressed file will clearly show the corresponding device and type of the backup file, which is convenient for downloading.

[5] Download local backup to PLC: click the "Download local backup to PLC" button to save the backup of the user program in the selected local host to the connected device and decompress it. During the download process, a file selection window pops up, select the desired Backup the file and download it. Note that the selected backup file must match the type of connected device.

[6] Restore backup: Click the "restore backup" button to restore the selected user program backup. Note that the restore backup function requires it must first obtain the backup file and select the backup file to achieve.

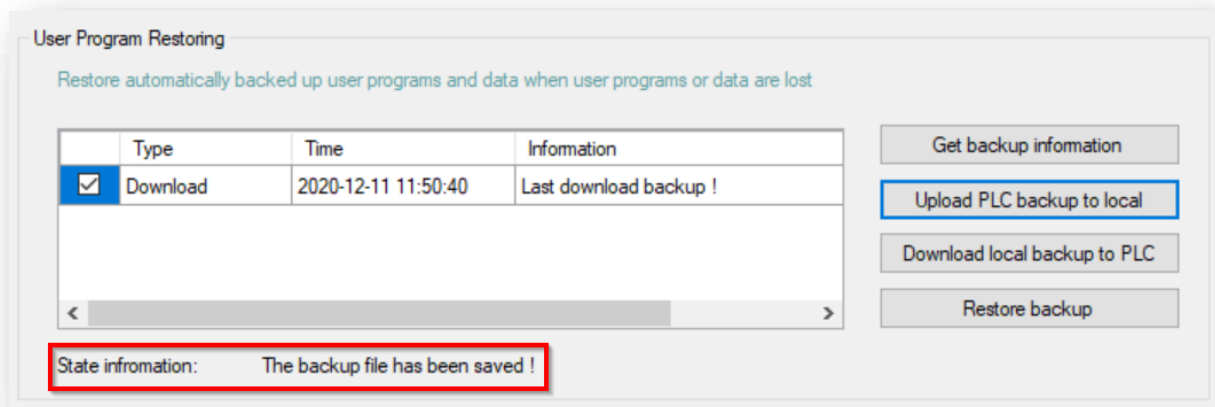
[7] Backup information display box: used to display the information of the acquired backup file

[8] Status information: Used to prompt status information during upload, download and restore.

4.1.1 BACKUP PROCEDURE

This procedure realize a backup of the **user program and the retain variables**.

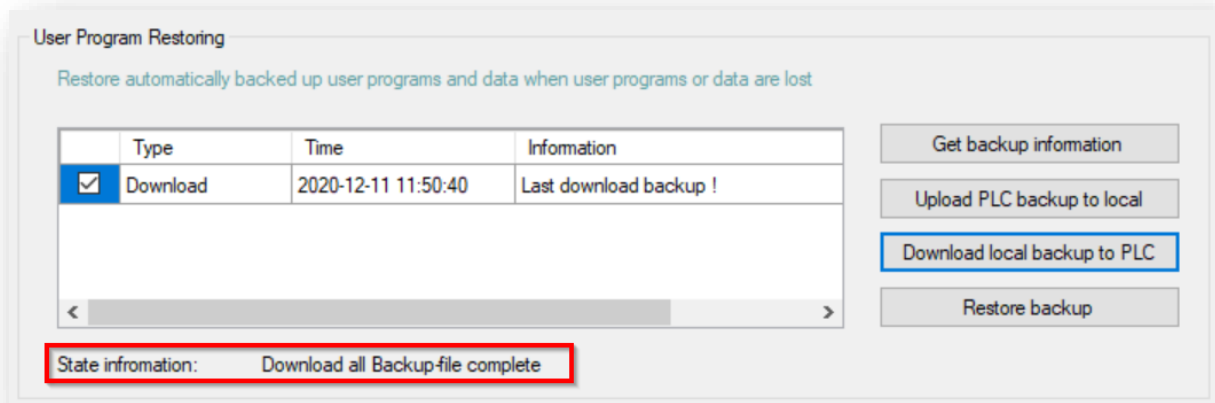
1. Click the "Get Backup Information" [3]
2. Select backup file in the backup file list [7]
3. click the "Upload PLC backup to local" [4]
4. Select the backup file destination in the local host



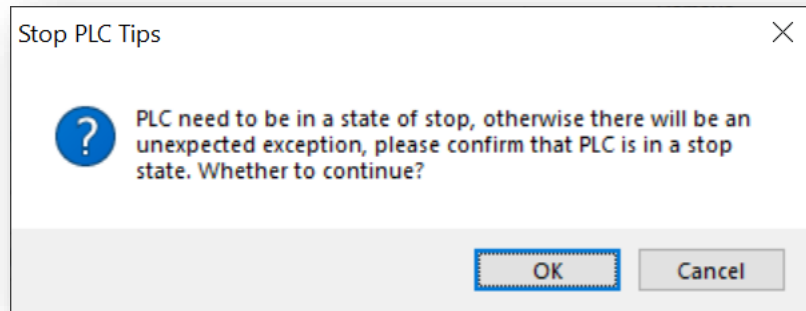
4.1.2 RESTORE PROCEDURE

This procedure restores the **user program and the retain variables**.

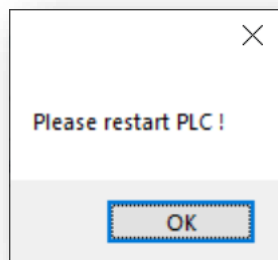
1. Click the "Download local backup to PLC" [5]
2. Select the backup file in the local host
3. Wait for the process to finish



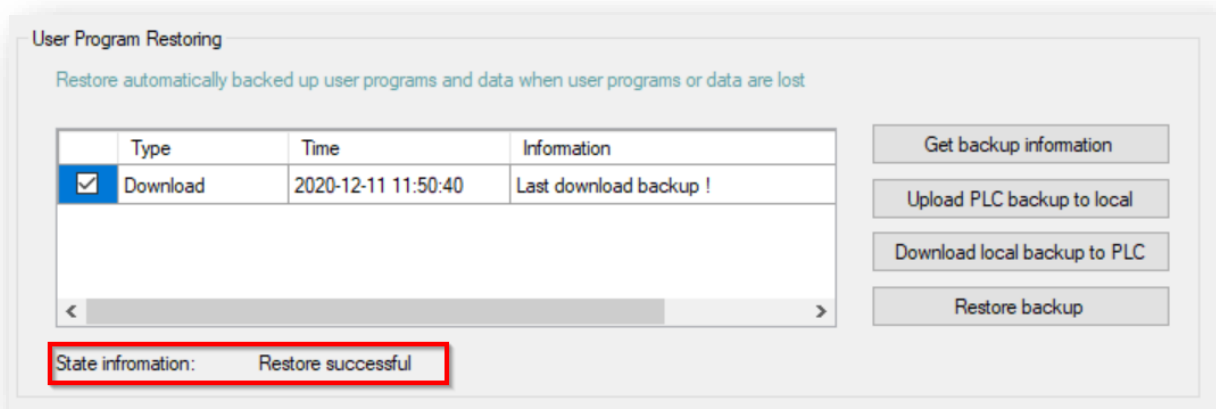
4. The files are downloaded but not restored.
5. Click the "Get Backup Information" [3]
6. Select backup file in the backup file list [7]
7. The last step is click the "restore backup" button



8. Click Ok and wait for the process to finish



9. Click OK and restart the PLC

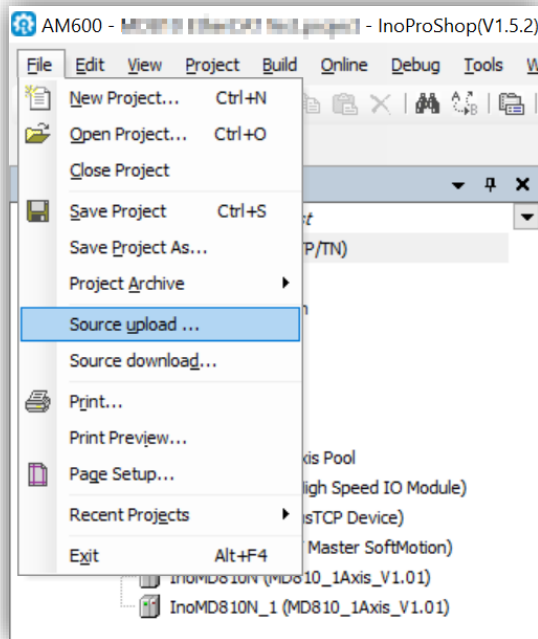


5 INOPROSHOP SOURCE CODE

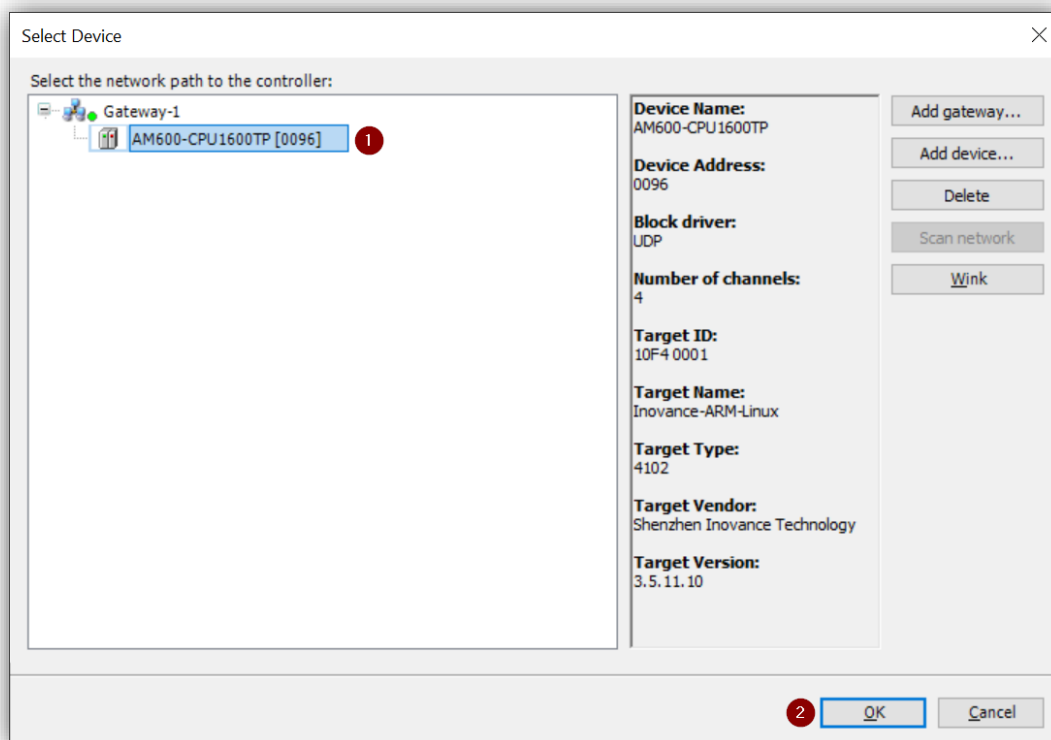
5.1 BACKUP SOURCE CODE

The above backup procedure does not make a copy of the project source code, if it exists on the AM600. If the AM600 contains the source code of the project, a backup can be performed following this procedure:

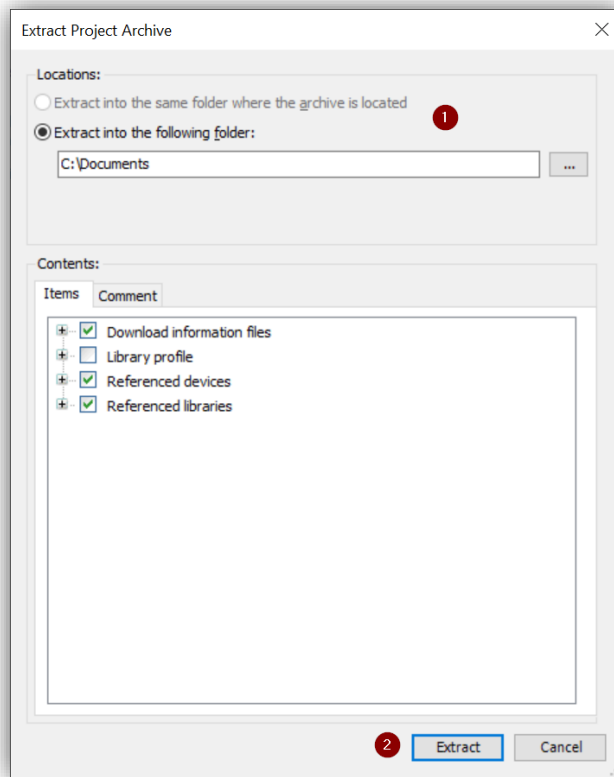
1. Click on “Source upload...” command from “File” menu



2. Select the corresponding device and click on the “OK” button



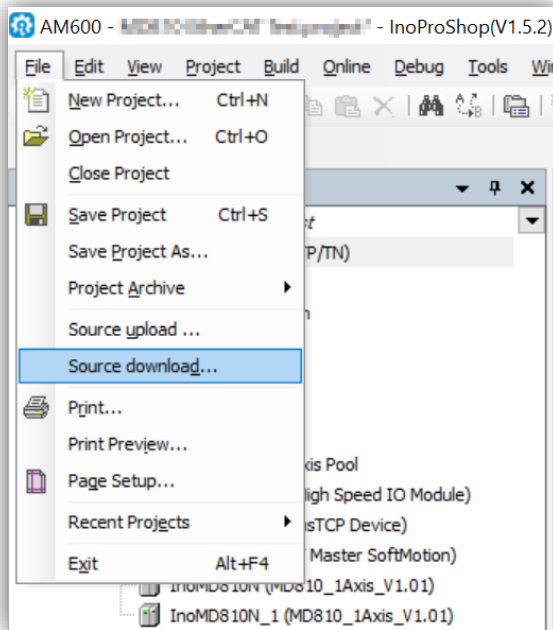
3. After source code update the following windows is displayed. Select the project folder location and click on the button “Extract”. This extract the source project in the desired location and it opens the project in the InoProShop software.



5.2 RESTORE SOURCE CODE

By default when downloading a project in the AM600 the source code of the project is not downloaded. To download the source code of the project it is necessary to follow this procedure:

1. Click on "Source download..." command from "File" menu



2. Select the corresponding device and click on the "OK" button

