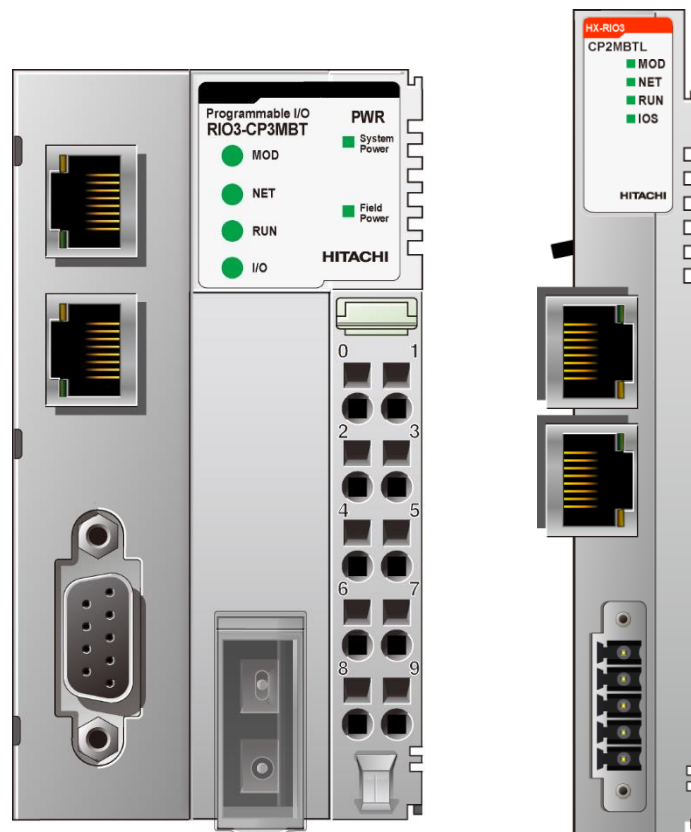


PIO F/W Update Manual

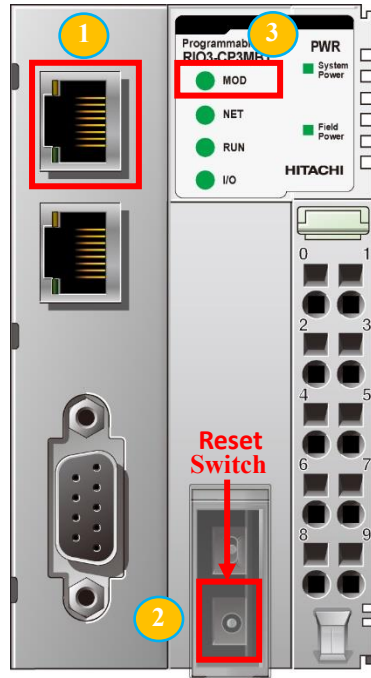
RIO3-Series



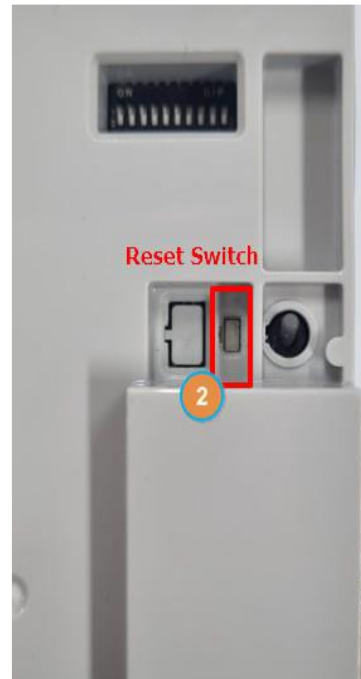
DOCUMENT CHANGE SUMMARY				
REV	PAGE	REMARKS	DATE	EDITOR
1	New Document		03.01.2024	R. Lankala

Basic settings - Access firmware change mode

CP3MBT



CP2MBTL

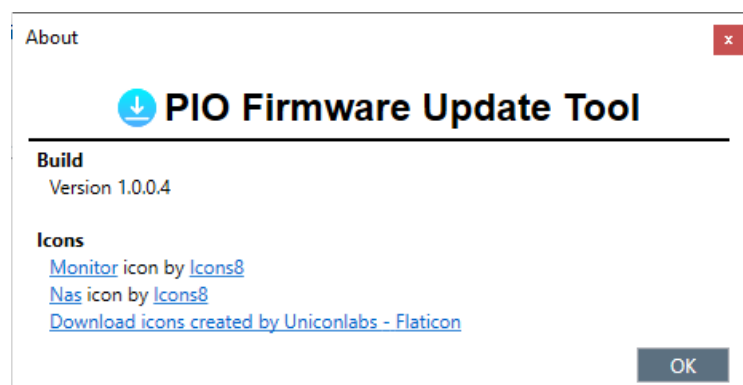


- 1) PC - device LAN cable connection
- 2) To change RIO3 FW, turn off the product and turn it on while holding down the Reset switch.
- 3) When the firmware change mode (IAP MODE) is normally entered, the MOD LED will blink RED.
- 4) Run PIO Firmware Update tool.exe (Rev 1.0.0.4)

Tool image



Rev check: File → About



Program Settings

The screenshot shows the 'PIO Firmware Update Tool' window. The 'Settings' tab is active. The interface includes the following elements:

- 1**: IAP IP address field, set to '192 . 168 . 100 . 10'.
- 2**: User ID field, set to 'Hitachi'.
- 3**: Password field, masked with '*****'.
- 4**: Firmware File(.bin) field, containing the path 'BT(GN-9373)\PIO3-CP3MBT(GN-9373)_RIO3-CP3MBT_Rev3004_20230808.bin', and a 'Browse...' button.
- 5**: A red box highlights the 'Verify' and 'Factory Reset' checkboxes (both checked) and the 'Update >>>' button.

At the bottom of the window, a progress bar shows '(0 / 0 bytes) 0%'.

- 1) IAP web server IP Address. 192.168.100.10(default)
- 2) IAP Web server Login ID. **Hitachi**(default)
- 3) IAP Web server Login Password. **Hitachi**(default)
- 4) Firmware File Selection Tab ([File Type: bin](#))
- 5) - Verify: Check PIO information after firmware update
 - Factory Reset: **Must be checked!**
 - Update: Start button

The screenshot shows the 'PIO Firmware Update Tool - _RIO3-CP3MBT_Rev3005_20231023.bin' window. The 'Settings' section includes fields for IAP IP (192.168.100.10), User ID (Hitachi), Password (*****), and Firmware File (D5\RIO3-CP3MBT_Rev3005_20231023\RIO3-CP3MBT_Rev3005_20231023.bin). There are 'Browse...' and 'Update >>>' buttons, along with checkboxes for 'Verify' and 'Factory Reset'. Below the settings is a log window titled 'Firmware Update Start' showing the following messages: '_RIO3-CP3MBT_Rev3005_20231023.bin file open success.', 'Waiting for connect to http server... (1)', 'Connected to http server.', and 'Login success.'

If you proceed with the update after setting normally, the above comment will appear.

The screenshot shows the 'Firmware Update Done' section of the log window. The messages are: 'Waiting for connect to http server... (1)', 'Connected to http server.', 'Login success.', 'Start firmware file transfer...', 'Erasing flash memory...', 'Erase flash memory done.', 'Firmware file transfer done.', and 'Reset done.'. Below the log is a green progress bar showing '(1.324.920 / 1.324.920 bytes) 100%'. The log window is titled 'Firmware Update Done'.

If it progresses to 100% and the “Firmware Update Done” comment is confirmed, the firmware update has been completed successfully.

The firmware will be applied, and you will be taken to the factory reset window.

Factory Reset

Step1. Select or Enter the IP

192 . 168 . 100 . 100

Step2. Factory Reset

Factory Reset

Scanned Devices

Name	Revision	Vendor Code	MAC Address	IP Address	Subnet
Realtek PCIe GbE Family Controller (Ethernet)				192.168.100.5	
RIO3-CP3MBT(PIO)	3.005	Hitachi	A4:97:8B:06:7B:E3	192.168.100.100	255.255.255.0
Zscaler Network Adapter 1.0.2.0 (Ethernet 2)				169.254.156.103	
Bluetooth Device (Personal Area Network) (Bluetooth Network Connection)				169.254.137.93	

Scanning... Boot up takes a few seconds

Exit without Factory Reset

1) Product information will appear in the scanned device list for each Lan port. Please select the device you wish to update.

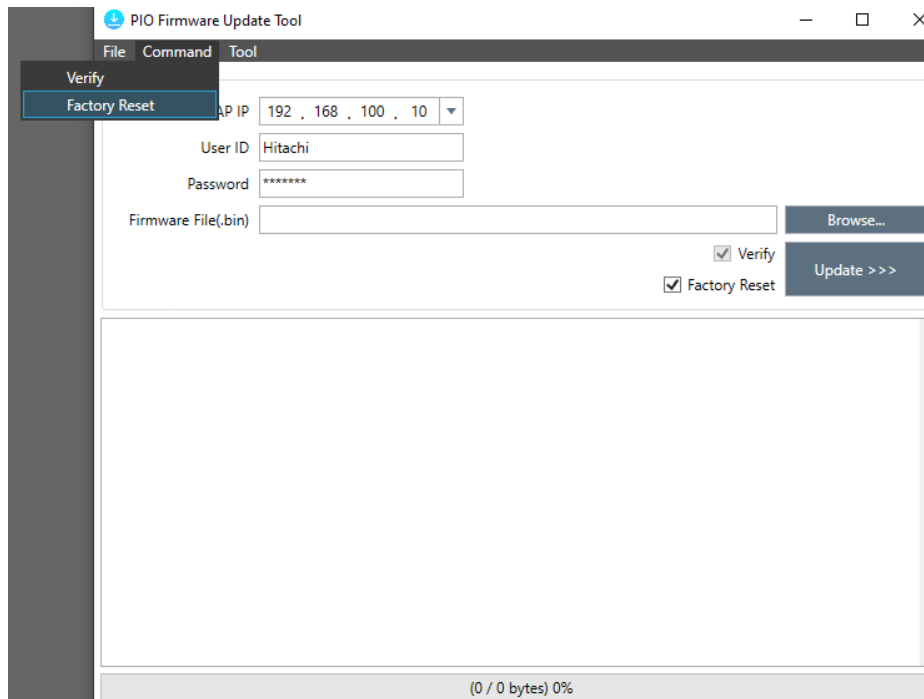
2) When you select a product, the IP Address of the product will be confirmed.

3) The factory reset button will be activated, and please proceed with factory reset.

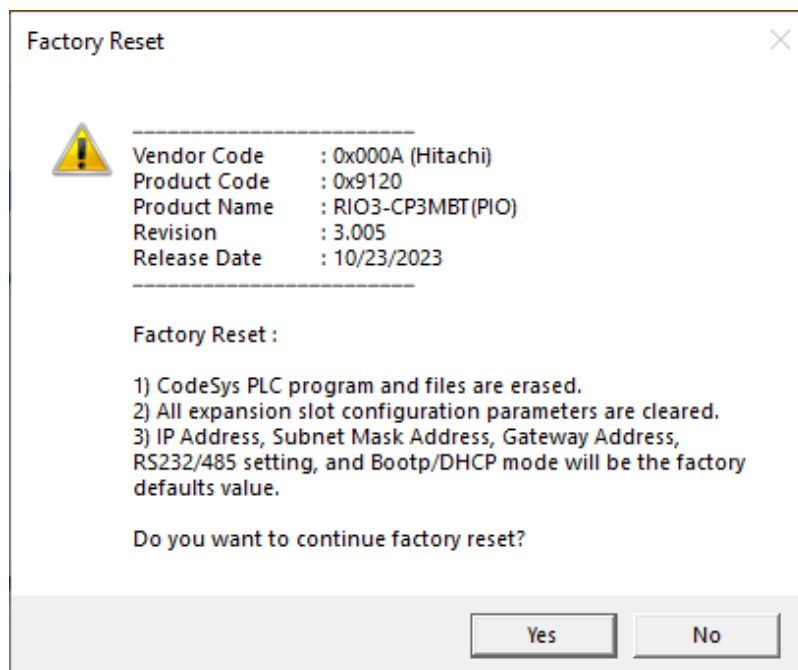
⚠ Caution !

- Scan may take some time due to boot time.
- If the device is not listed in the scanned device list, enter the IP manually to proceed.
- If the IP address range of Unit is different than Ethernet adapter, you will not find the device. Follow the instructions below to proceed

1. Click the button “Exit without Factory Reset”.
2. Change IP address of PC LAN adapter to same range as unit
3. Open the PIO update tool
4. Under Command tab select “Factory Reset” and factory reset window will open



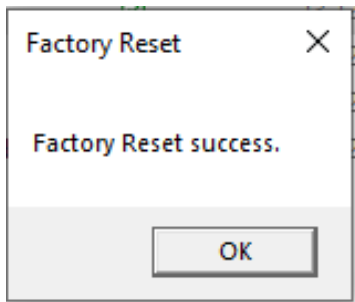
When you press the Factory Reset button, a warning window will appear.



Read the information carefully, select Yes to continue with Factory reset
Please check whether the LED of the actual product are turned on/off sequentially.

LED (Green/Red)

MOD(G/R) -> NET(G/R) -> RUN(G/R) -> I/O(G/R)



Factory Reset has been completed.

Now the device is reachable under default IP 192.168.100.100