



MRT-1088 SWAK-OS 4.0 SWAK V4 Firmware Update

This document is intended to show you how to update the motion firmware for the SWAK software. An important note when receiving a firmware update: For the firmware update to be recognized its file name must be exactly like this: **Motion Firmware.pmc0801E**. You may receive the file with a name like this: **Motion Firmware v1.0.26.pmc0801E**. Notice the **v1.0.26** portion of the file name. This is so we can tell what the version is before sending it.

Once the file name is correct, please copy the firmware file to the “C:\Program Files (x86)\ACE Nordson Select\Nordson SWAK-OS 4.0”

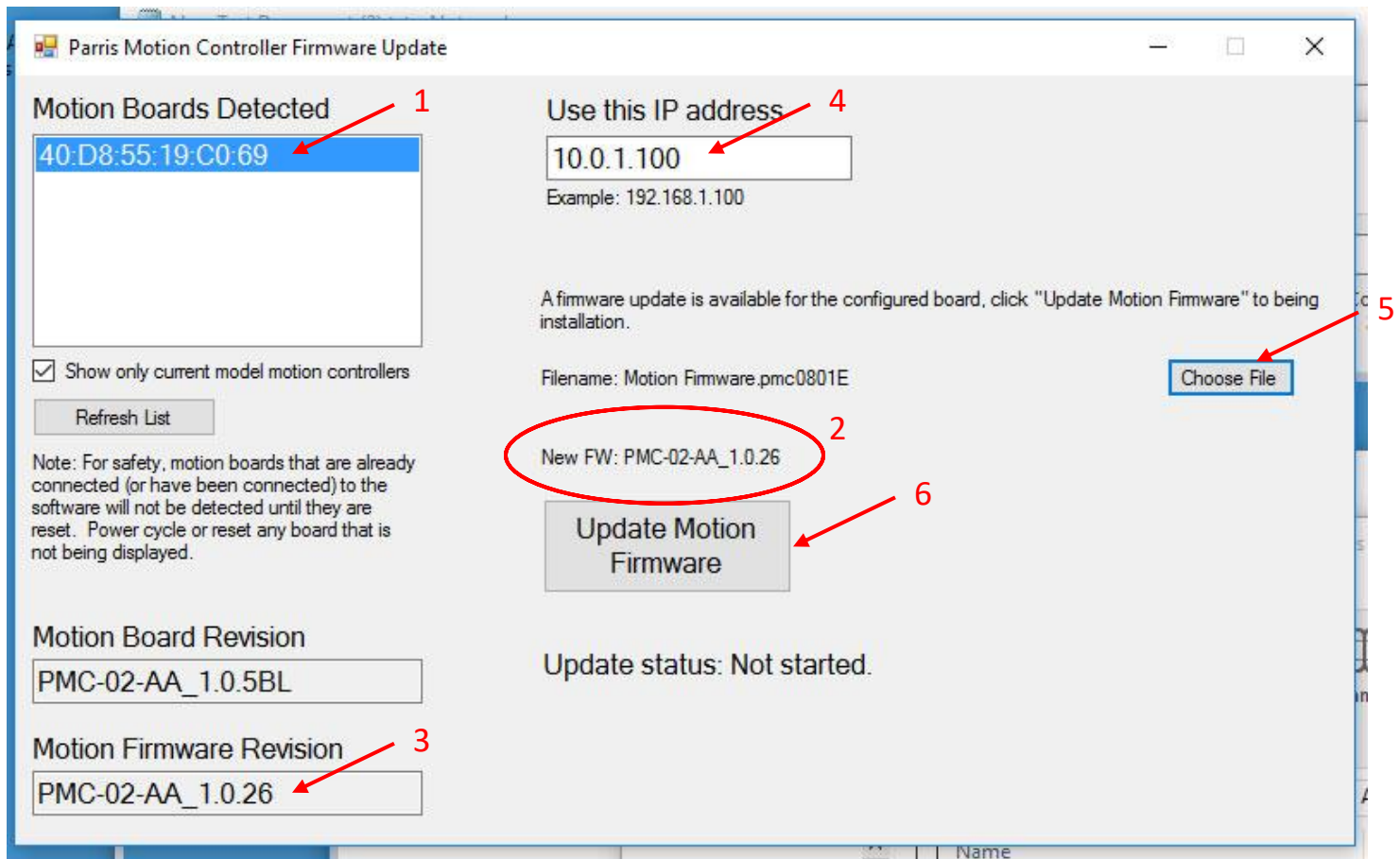
If the SWAK v4 software is not open, then open it. You do not have to home the machine to get the IP address for the motion board. In the SWAK software got to the “Customize menu” item then select “Gantry Configuration”. You should get the window below. Record the IP address circled in red below.

The screenshot shows the 'Gantry Configuration Manager' window. At the top, there are tabs for 'Configuration', 'Units', and 'Schedules'. Below these, there's a 'Solder Gantry' section with an 'Add New...' button. The main area is divided into several sections: 'Motion Controllers', 'Modbus Devices', 'Video Setup', 'Gantry Features', 'Motor Setup', and 'IO Configuration'. The 'Motion Controller Viewer' section is active, showing a note about safety and a 'Refresh Viewer' button. To the right, there are 'Database Actions' with 'Reload' and 'Saved' buttons. Below these, there's a table with columns: Link, Gantry, Name, MAC Address, IP Address, and Status. The table contains one entry: Solder Gantry, Solder Motion, 40-D8-55-9-C0-69, 10.0.1.100, and Unavailable. The IP address '10.0.1.100' is circled in red.

Link	Gantry	Name	MAC Address	IP Address	Status
<input checked="" type="checkbox"/>	Solder Gantry	Solder Motion	40-D8-55-9-C0-69	10.0.1.100	Unavailable

Now close the SWAK software.

Go the folder “C:\Program Files (x86)\ACE Nordson Select\Nordson SWAK-OS 4.0”and run the file named “Parris Motion.exe”. You should see the window below load up.



There are a few things you will want to verify.

1. If you do not see a MAC address, please cycle off the main power switch for 5 seconds then turn it back on. You should now see a MAC address. If you do please highlight it.
2. If you moved the firmware file to the folder outlined in the beginning of this document, then you should see the firmware version circled in red.
3. You can see the current firmware revision here outlined by figure 3.
4. Make sure to add the IP address exactly as you recorded from the gantry configuration window pointed out by figure 4.
5. If the firmware revision does not come up correctly like circled above (figure 2) then you can select the “Choose file” and select a firmware file from the HDD or a Thumb Drive.
6. Once all the above matches correctly then click the “Update Motion Firmware” button.

Once the firmware updates successfully (you see a message), close the Parris Motion Controller Firmware Update window.

Now start up the SWAK software and verify everything connects correctly. If it does not connect correctly, then please verify your information collected like the IP address as this will be the first thing to check. If the IP address is not correct, please repeat the above steps and try to start the software again. If the software still will not connect to the motion board please call Nordson SELECT.

Customer Service
Nordson SELECT, Inc.
22425 East Appleway Ave
Suite 1
Liberty Lake, WA 99019
Office: +1.509.924.4898
Fax: +1.509.533.1299