

Pro64® Firmware Update Quick Start

All Pro64 hardware devices should be kept updated with the latest firmware to provide the most current features and improved system performance. **Aviom recommends that all Pro64 devices be updated before initial use.** All required software is available for free download at www.Aviom.com/software.

Requirements

Updating Pro64 Series devices requires the following:

- One Pro64 I/O device, set as the network's Control Master
- Pro64 firmware update files for the devices to be updated (download from www.Aviom.com/software)
- A computer with RS-232 capability or a USB to RS-232 adapter (if the host computer has no built-in RS-232 port)
- One female DB9 to female DB9 null modem (crossover) cable
- Cat-5e patch cables for connecting additional Pro64 devices to the Control Master

Approved USB to RS-232 adapters:

- Keyspan Model USA-19HS
- IOGEAR Model GUC232A
- CablesToGo Model 26886

Before beginning, download the Pro64 Update Tool and all current firmware files from www.Aviom.com/software.

Steps

1. Connect all Pro64 devices with Cat-5e cables.

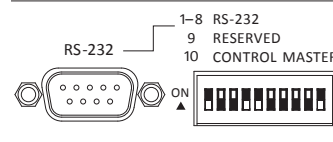
It's most efficient to update the firmware across the network rather than connecting each device to the computer. Connection topology doesn't matter for firmware updating.

2. Set the network Control Master.

TIP: Using an I/O device other than a 6416Y2 A-Net Card as the Control Master while performing firmware updates will eliminate the need to change internal DIP switches on the 6416Y2 during updating.

3. Configure the RS-232 port on the Control Master.

On the Pro64 module, RS-232 must be configured for eight data bits, no parity, and one stop bit. Most computers will support 57.6 kbaud. Correct settings are shown at right.



To properly configure the RS-232 port, set switches 1, 4, and 5 to the ON position. Switch 10 is the Control Master switch.

Switch handles are shown in black.

4. Connect the computer to the Control Master using a null modem (crossover) cable.

For detailed instructions on wiring your own cable, refer to the user guide for your Pro64 device.

5. Set the Control Master to MANAGED.

On the front panel, press MANAGED, followed by ENTER.

6. Launch the Pro64 Update Tool application.

7. Confirm the communications settings on the Pro64 Update Tool.

In most cases, the Serial Port should indicate COM1 and 57600. Changes can be made by clicking on "Settings."

8. Update devices.

To update a device, select it in the list, select the matching firmware file (.upd), and click "Update Device." Once all devices have been updated, quit the Pro64 Update Tool, disconnect the computer, and return your Pro64 network to normal operation.

For more detailed instructions on using the Pro64 Update Tool, refer to the complete user manual.