

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.** The Pro64 Network Manager™ software is available as a 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), or USB port and USB cable if connecting to an AllFrame
- 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
- Gigaware Model 26-949
- IOGEAR Model GUC232A
- CablesToGo Model 26886

Before starting, download the latest version of the Pro64 Network Manager software (includes all current firmware files).

Steps	
<p>1. Connect all Pro64 devices with Cat-5e cables.</p> <p>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.</p>	
<p>2. Set the network Control Master.</p> <p>TIP: Using an AllFrame or rack-mount Pro64 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.</p>	
<p>3. Configure the RS-232 port on the Control Master.</p> <p>On the Pro64 device, RS-232 must be configured for eight data bits, no parity, and one stop bit. Most computers will support 57.6k baud. Correct settings are shown at right. (Not required for AllFrame)</p>	<p>To properly configure the RS-232 port, set switches 1, 4, and 5 to the ON position. Switch 10 is the Control Master switch.</p> <p>Switch handles are shown in black.</p>
<p>4. Connect the computer to the Control Master using a null modem (crossover) cable.</p> <p>For detailed instructions on wiring your own cable, refer to the user guide for your Pro64 device. AllFrame devices connect to the PC with a USB cable.</p>	
<p>5. Set the Control Master to MANAGED.</p> <p>On the front panel, press MANAGED, followed by ENTER. (Not required for AllFrame)</p>	
<p>6. Launch the Pro64 Network Manager application.</p>	
<p>7. Connect to the network by choosing Work Online... from the Network menu.</p> <p>In the communication dialog box, choose the Serial Port where the Pro64 Control Master device is connected.</p>	
<p>8. Update devices.</p> <p>Open the Firmware Update window from the Tools menu. Click the Auto Update button to start a batch process that will update all Pro64 devices in the network (this takes a few minutes per device). Once all devices have been updated, you are ready to configure and manage your Pro64 network.</p>	

For more detailed instructions on using the Pro64 Network Manager, refer to the complete user manual.