

## M-7679 R-PAC QUICK REFERENCE GUIDE

PROTECTION, AUTOMATION AND CONTROL SYSTEM FOR RECLOSER, SWITCH, SECTIONALIZER AND ADVANCED DISTRIBUTION AUTOMATION APPLICATIONS.

### Update Firmware



#### Required Tools:

- PC running Windows 7® or higher
- S-7600 IPScom Communications Software

Download the latest **IPScom software** at:

<https://beckwithelectric.com/products/s-7600/>

#### Required Documentation:

- M-7679 Instruction Book
- M-7679 Application Guide
- Communications and Cybersecurity A.G.

Download the latest **M-7679 Instruction Book** at:

<https://beckwithelectric.com/products/m-7679/>



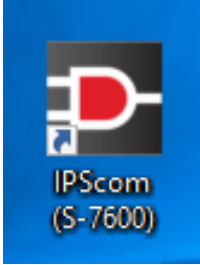
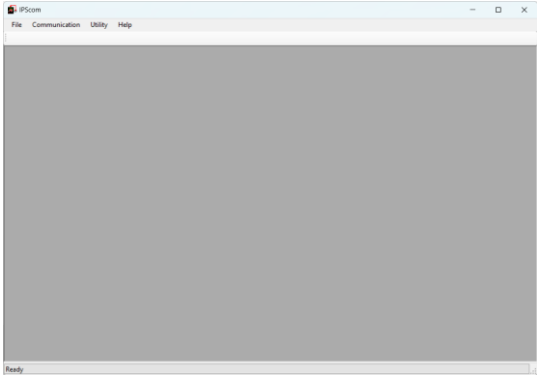
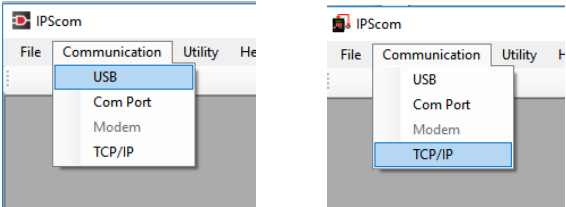
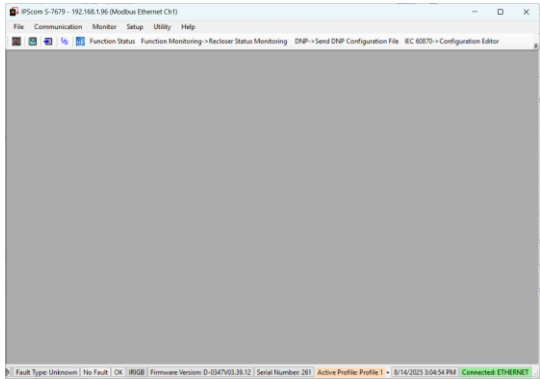
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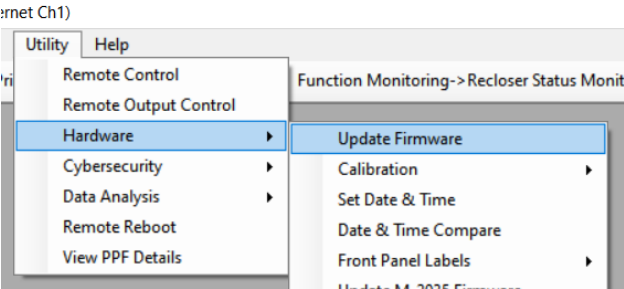
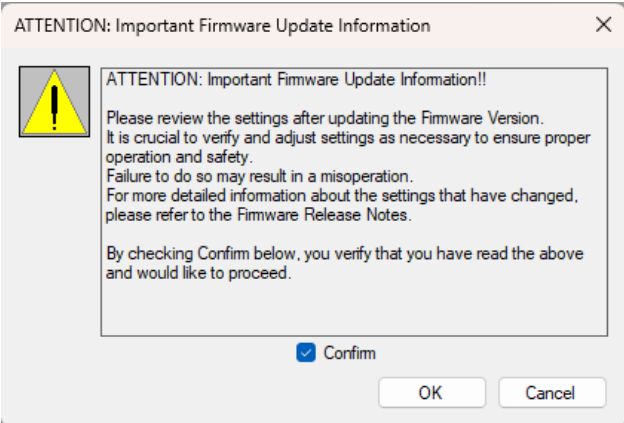
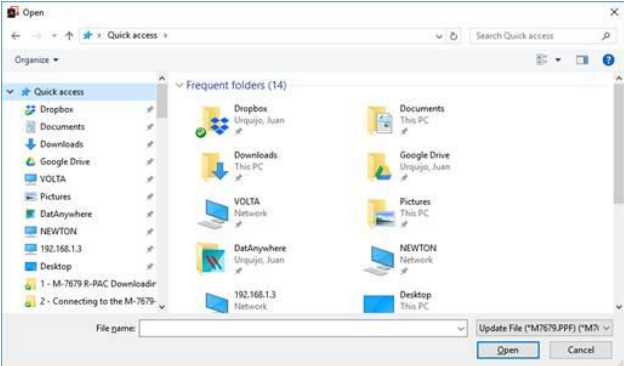
## Product Cautions

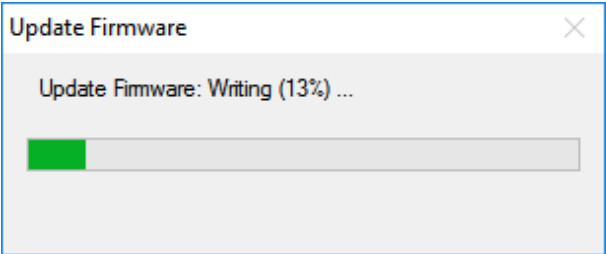
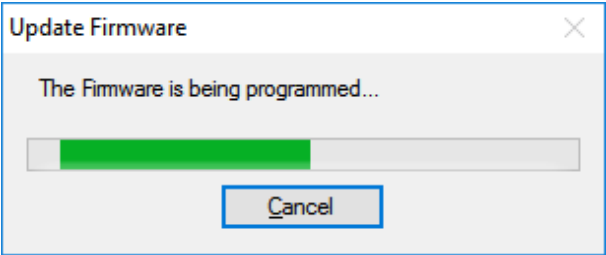
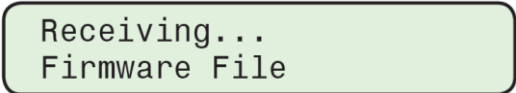
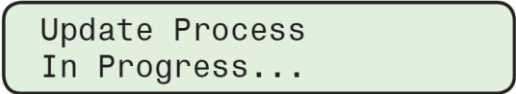
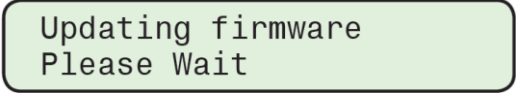
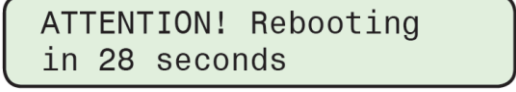
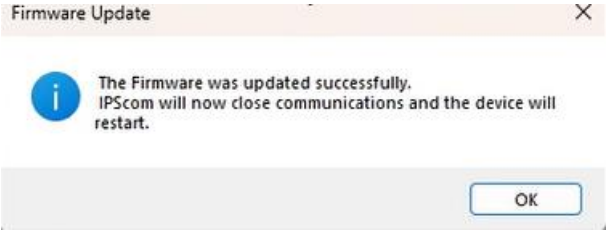
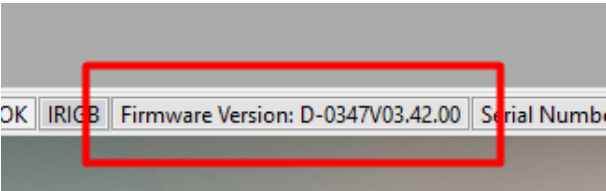
 Any intervention on equipment currently installed and in service must be approved according to the internal regulations of the end user, as there is a possibility that unwanted operations may be generated during the firmware update process.

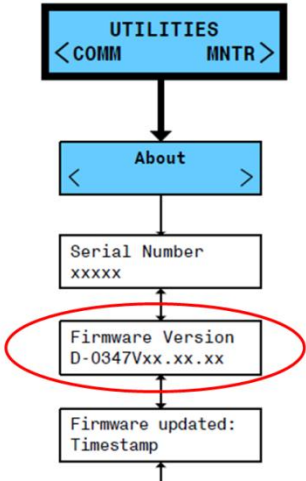
 During the firmware updated process, it is recommended to disconnected any other communication cable from the M-7679 R-PAC unit, so the update process can be prioritized by the internal processes of the unit.

 For information about the latest available firmware version for the M-7679 R-PAC, contact Beckwith Electric.

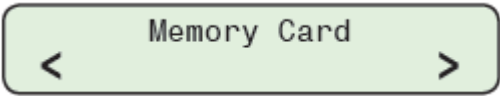
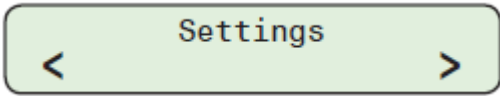
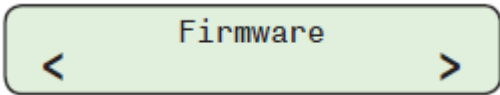
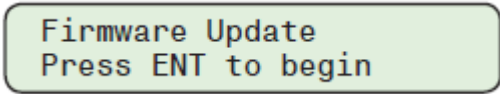
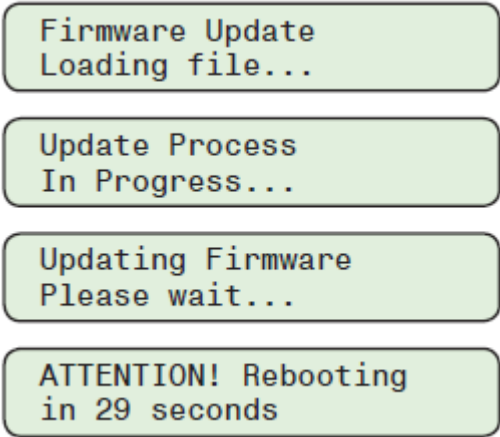
| Update Firmware using IPScom Communication Software |                                                                                                                 |                                                                                      |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1                                                   | Start IPScom Software by double-clicking the corresponding shortcut.                                            |    |
| 2                                                   | IPScom will display the IPScom <b>Main</b> dialog screen.                                                       |    |
| 3                                                   | Establish a connection to the unit using either <b>USB</b> or <b>TCP/IP</b> mode.                               |   |
| 4                                                   | Once the connection is established, IPScom will display the <b>Connected</b> version of the IPScom main screen. |  |

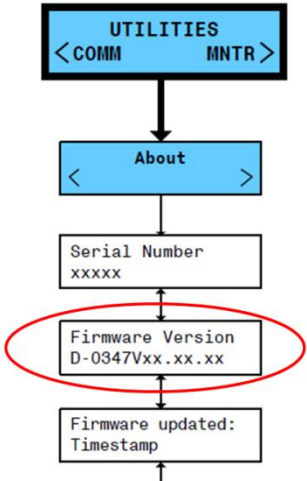
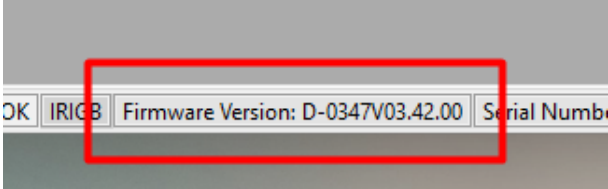
|   |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | Select <b>Utility &gt; Hardware &gt; Update Firmware.</b>                                                                                                                                          |  <p>The screenshot shows the 'Utility' menu with 'Hardware' selected. The 'Hardware' submenu is open, showing 'Update Firmware' as the selected option. Other options in the Hardware submenu include Calibration, Set Date &amp; Time, Date &amp; Time Compare, and Front Panel Labels.</p> |
| 6 | IPScm will display a warning message recommending that the user review the protection settings after updating the firmware version. To continue, the user must select the <b>Confirm</b> checkbox. |  <p>The screenshot shows a warning dialog box titled 'ATTENTION: Important Firmware Update Information'. It contains a yellow warning icon and text advising the user to review settings after the firmware update. The 'Confirm' checkbox is checked, and the 'OK' button is visible.</p>   |
| 7 | IPScm will display the <b>Open</b> file dialog screen with a default *.ppf file extension. Select the target file, then select <b>Open</b> .                                                       |  <p>The screenshot shows the Windows 'Open' file dialog. The 'File name' field is empty. The file list shows various folders and files, including 'Update File (*.M7675.PPF)' which is highlighted. The 'Open' button is visible at the bottom right.</p>                                  |

|    |                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8  | IPScm will display the corresponding progress screens.                                                                                                                                                      |                                                                                                                                                                             |
| 9  | During the firmware update process, the <b>M-7679 R-PAC</b> will display in the HMI the corresponding progress screens.                                                                                     |     |
| 10 | Once the firmware update process is complete, IPScm will display a confirmation message informing the user that communication with the unit will be terminated and that the unit will automatically reboot. |                                                                                                                                                                                                                                                            |
| 11 | After re-establishing communication with the unit, IPScm will display the new firmware version in the bottom toolbar.                                                                                       |                                                                                                                                                                                                                                                            |

|                   |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12                | The user can also verify the firmware version on the HMI by navigating to <b>Utilities &gt; About &gt; Firmware Version.</b> |  <pre>graph TD; A["UTILITIES&lt;br/&gt;&lt;COMM MNTR&gt;"] --&gt; B["About"]; B --&gt; C["Serial Number&lt;br/&gt;xxxxx"]; C --&gt; D["Firmware Version&lt;br/&gt;D-0347Vxx.xx.xx"]; D --&gt; E["Firmware updated:&lt;br/&gt;Timestamp"]; style D stroke:#f00,stroke-width:2px</pre> |
| End of Procedure. |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                       |

## Update Firmware using SD Card

|   |                                                                                                                                                 |                                                                                      |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1 | Insert a Smart Flash SD Card into the Smart Flash Card slot. Make sure that the SD Card includes the Firmware file.                             |    |
| 2 | Press <b>COMM</b> . The menu will advance directly to <b>Memory Card</b> .                                                                      |    |
| 3 | Press <b>ENT</b> or <b>CNFG</b> once. The unit will display <b>Settings</b> .                                                                   |    |
| 4 | Press <b>MNTR</b> or <b>COMM</b> as necessary until <b>Firmware</b> is displayed.                                                               |    |
| 5 | Press <b>CNFG</b> as necessary to navigate to the <b>Firmware Update</b> menu item.                                                             |  |
| 6 | Press <b>ENT</b> . The Firmware will be loaded into the unit, and, during this process, the HMI will display the following sequence of screens: |  |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7                 | <p>Once the firmware update process is complete, the unit will automatically reboot. After a firmware update the control setpoints and configuration are unaffected.</p> <p>IPScom communication with the control will need to be reestablished.</p> <p>Once the unit has initialized, Firmware Version can be verified in the HMI by going to <b>Utilities &gt; About &gt; Firmware Version</b>.</p> |  <pre>graph TD; A["UTILITIES&lt;br&gt;&lt;COMM MNTR&gt;"] --&gt; B["&lt; About &gt;"]; B --&gt; C["Serial Number&lt;br&gt;xxxxx"]; C --&gt; D["Firmware Version&lt;br&gt;D-0347Vxx.xx.xx"]; D --&gt; E["Firmware updated:&lt;br&gt;Timestamp"]; E --&gt; D; D --&gt; B</pre> <p>The flowchart illustrates the navigation path from the UTILITIES menu to the Firmware Version screen. The UTILITIES menu has sub-options &lt;COMM and MNTR&gt;. Selecting &lt; About &gt; leads to the Serial Number screen (displaying xxxxx). From there, the Firmware Version screen (displaying D-0347Vxx.xx.xx) is reached. This screen is circled in red. Below it is the Firmware updated: Timestamp screen, which has a bidirectional arrow connecting it back to the Firmware Version screen.</p> |
| 8                 | <p>Firmware version can also be verified using <b>IPScom</b>. Once connected to the unit, the bottom bar will show the latest Firmware version.</p>                                                                                                                                                                                                                                                   |  <p>The screenshot shows the bottom bar of the IPScom interface. It contains the text "OK", "IRIGB", "Firmware Version: D-0347V03.42.00", and "Serial Numbr". The "Firmware Version: D-0347V03.42.00" text is highlighted with a red rectangle.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| End of Procedure. |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



Scan for quick access to M-7679  
technical literature.



**6190 118th Avenue North**  
**Largo, FL 33773-3724 U.S.A.**



**BeckwithElectric.com**  
**HubbellPowerSystems.com**

