# DeviceNet Router

## Release Notes

### A-DNTR

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Firmware Revision 1.009

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# 1. PREFACE

## 1.1. COMPATIBILITY

Firmware revision 1.009 of the DeviceNet Router will require the following compatible versions:

| Software | Version |
|---|---|
| Slate | 1.025 and later |

## 1.2. NOTES

The following should be noted:

- Firmware upgrades will be done using Aparian's Slate software.
- Aparian flash files have an *.afb* extension.
- Slate can also be used to set the initial network parameters using its DHCP server.
- Should any interruptions cause the module to not complete the firmware upgrade the module will return to Safe Mode. The user can then re-flash the module with the application firmware. See the user manual for more information regarding Safe Mode.

## 1.3. ADDITIONAL INFORMATION

The following resources contain additional information that can assist the user with the module installation and operation.

| Resource | Link |
|---|---|
| Slate Installation | http://www.aparian.com/software/slate |
| DeviceNet Router User Manual<br>DeviceNet Router Datasheet<br>Example Code & UDTs | http://www.aparian.com/products/devicenetrouter |
| Ethernet wiring standard | www.cisco.com/c/en/us/td/docs/video/cds/cde/cde205_220_420/installation/guide/cde205_220_420_hig/Connectors.html |
| CIP Routing | The CIP Networks Library, Volume 1, Appendix C:Data Management |

## 1.4. SUPPORT

Technical support will be provided via the Web (in the form of user manuals, FAQ, datasheets etc.) to assist with installation, operation, and diagnostics.

For additional support the user can use either of the following:

| | |
|---|---|
| Contact Us web link | www.aparian.com/contact-us |
| Support email | support@aparian.com |

# 2. IMPROVEMENTS

The following updates are included in this firmware revision.

| Revision | Improvement | Description |
|---|---|---|
| 1.009 | General | Non-application specific update. |
| 1.008 | Config Loading | When a EMC events occurs such that the DeviceNet Router loads corrupted configuration, the configuration is then not cleared and the device will run for 10s before reattempting to load the configuration. |
| 1.006 | DeviceNet | Add support for 1771-SDN/B module which uses Group 2 Explicit Messaging. |
| 1.005 | PCCC | Added support for Read/Modify/Write PCCC functions. |
| 1.004 | Rotary Switches | Rotary Switches removed. |
| | EtherNet/IP | Improvements to EtherNet/IP libraries |
| | Scheduled Parameter | Add Scheduled Parameter mode |
| | EtherNet/IP management | Improvements to EtherNet/IP connection management |

# 3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

| Revision | Anomaly | Description |
|---|---|---|
| 1.009 | None | - |
| 1.007 | Multi IP Address | Fixed anomaly where the second IP address could not be contacted after unplugging and reinserting the Ethernet cable |
| 1.004 | PCCC | Fix PLC5 type in emulation |

# 4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

| Revision | Anomaly | Description |
|---|---|---|
| 1.009 | None | - |