

J1939 Router

Release Notes

A-J1939

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Document Revision 1.0

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Firmware Revision 1.007

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1. PREFACE

1.1. COMPATIBILITY

Firmware revision 1.007 of the J1939 Router will require the following compatible versions:

| Software | Version |
|----------|-----------------|
| Slate | 1.061 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 |
| J1939 Router User Manual J1939 Router Datasheet Example Code & UDTs | http://www.aparian.com/products/j1939router |
| 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 |
| SAE J1939 Standards | http://www.sae.org/standardsdev/groundvehicle/j1939a.htm |

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 |
|----------|--------------|---|
| 1.007 | General | Updates required for production. |
| 1.006 | General | Non-application specific update. |
| 1.005 | J1939 Ack | Added option for ACK requirement in the mapping. |
| | Remote Node | Added remote node naming in mapping as well as hiding of remote node option for produce broadcast PGN as it was not used. |
| 1.004 | ODVA | Update to meet the latest ODVA conformance testing. |
| 1.003 | Enhancements | Minor enhancements and stability improvements to the EtherNet/IP stack. |

3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

| Revision | Anomaly | Description |
|----------|------------|---|
| 1.007 | None | - |
| 1.003 | DIP Switch | Fixed reading of DIP switches for production testing. |

4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

| Revision | Anomaly | Description |
|----------|---------|-------------|
| 1.007 | None | - |

