

DH485 Router/B

Release Notes

A-DH485R/B

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Firmware Revision 2.001.012

CONTENTS

| | |
|----------------------------------|---|
| 1. Preface..... | 2 |
| 1.1. Compatibility..... | 2 |
| 1.2. Notes..... | 2 |
| 1.3. Additional Information..... | 2 |
| 1.4. Support..... | 3 |
| 2. Improvements..... | 3 |
| 3. Anomalies Fixed..... | 3 |
| 4. Known Anomalies..... | 4 |



1. PREFACE

1.1. COMPATIBILITY

Firmware revision 2.001.012 of the DH485 Router will require the following compatible versions:

| Software | Version |
|----------|-----------------|
| Slate | 1.058 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 | https://www.aparian.com/software/slate |
| DH485 Router/B User Manual DH485 Router/B Datasheet Application Notes Example Code & UDTs | https://www.aparian.com/products/dh485routerb |
| 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 |
| Map PLC/SLC messages | SLC to CompactLogix Migration Guide: Chapter 3 – Map PLC/SLC Messages (1769-ap001_-en-p.pdf) EtherNet/IP Network Configuration: Chapter 5 – Mapping Tags (enet-um001_-en-p.pdf) |

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 |
|-----------|-----------------------|--|
| 2.001.012 | General | Non-application specific update. |
| 2.001.011 | PCCC Buffer | Increase PCCC message buffer to process up to 60 simultaneous requests. |
| 2.001.010 | RS232 support | Added support for DH485 protocol on RS232 |
| | 3 x PCCC IP Addresses | The module now supports up to three PCCC IP addresses each with DH485 node, allowing FTView to connect to a max of three SLCs when communicating on RS485. |
| 2.001.009 | CPU Support | Minor enhancements for series B of the CPU. |
| 2.001.008 | CPU Support | Added support for series B of the CPU currently being used. |
| 2.001.007 | TCP Robustness | Improved TCP connection robustness when operating over an intermittent Ethernet connection. |
| 2.001.006 | Ground Connection | Add parameter to config allowing the user to connect the ground when required for DH485 networks. |
| 2.001.005 | ODVA | Updates for required for ODVA certification |

3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

| Revision | Anomaly | Description |
|-----------|------------------|---|
| 2.001.012 | None | - |
| 2.001.011 | PCCC Multipacket | Fixed anomaly where the module would not process the TCP messages with multiple PCCC request correctly. |

4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

| Revision | Anomaly | Description |
|-----------|---------|-------------|
| 2.001.012 | None | - |