

# DH485 Router/B

## Release Notes

A-DH485R/B

Document No. D120-024

Document Revision 1.0

03/2022

Firmware Revision 2.001.010

### 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.....	3



# 1. PREFACE

## 1.1. COMPATIBILITY

Firmware revision 2.001.010 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	<a href="https://www.aparian.com/software/slate">https://www.aparian.com/software/slate</a>
DH485 Router/B User Manual DH485 Router/B Datasheet Application Notes Example Code & UDTs	<a href="https://www.aparian.com/products/dh485routerb">https://www.aparian.com/products/dh485routerb</a>
Ethernet wiring standard	<a href="http://www.cisco.com/c/en/us/td/docs/video/cds/cde/cde205_220_420/installation/guide/cde205_220_420_hig/Connectors.html">www.cisco.com/c/en/us/td/docs/video/cds/cde/cde205_220_420/installation/guide/cde205_220_420_hig/Connectors.html</a>
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	<a href="http://www.aparian.com/contact-us">www.aparian.com/contact-us</a>
Support email	<a href="mailto:support@aparian.com">support@aparian.com</a>

## 2. IMPROVEMENTS

The following updates are included in this firmware revision.

Revision	Improvement	Description
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
2.001.010	None	-

## 4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

<b>Revision</b>	<b>Anomaly</b>	<b>Description</b>
2.001.010	None	-