

Modbus Router/B

Release Notes

A-MBR/B

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Firmware Revision 2.001.007

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1. PREFACE

1.1. COMPATIBILITY

Firmware revision 2.001.007 of the Modbus Router will require the following compatible versions:

Software	Version
Slate	1.050 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
Modbus Router User Manual Modbus Router Datasheet Example Code & UDTs	http://www.aparian.com/products/modbusrouterb
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
Modbus	http://www.modbus.org

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
2.001.007	CPU Support	Added support for series B of the CPU currently being used.
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
	USB	Updates to allow USB to pass through CIP messages
2.001.002	Modbus TCP	When in scheduled mode, faster recovery of Modbus Slave when connection was lost.

3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

Revision	Anomaly	Description
2.001.007	None	-
2.001.002	Modbus TCP Map Item Count	Increased the Modbus TCP client count to 100 from 40.

4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

Revision	Anomaly	Description
2.001.007	None	-