

# J1939 Router/B

## Release Notes

A-J1939/B

Document No. D155-009

Document Revision 1.0

05/2024

Firmware Revision 1.001.005

### 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 1.001.005 of the J1939 Router/B will require the following compatible versions:

Software	Version
Slate	1.077 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="http://www.aparian.com/software/slate">http://www.aparian.com/software/slate</a>
J1939 Router User Manual J1939 Router Datasheet Example Code & UDTs	<a href="https://www.aparian.com/products/j1939Routerb">https://www.aparian.com/products/j1939Routerb</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>
SAE J1939 Standards	<a href="http://www.sae.org/standardsdev/groundvehicle/j1939a.htm">http://www.sae.org/standardsdev/groundvehicle/j1939a.htm</a>

## 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
1.001.005	J1939 Read/Write Requests	Added new acyclic J1939 PGN Read/Write requests. Added new acyclic Raw CAN Id requests.
1.001.003	Duplicate Node Detection Disable	Added option to disable Duplicate Node Detection.
	PGN Produce/Consume	The same PGN can now be used to produce data as well as consume data.

## 3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

Revision	Anomaly	Description
1.001.005	Read/Write BAM	Fixed issue with acyclic J1939 Read/Write requests when using BAM messages.

## 4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

Revision	Anomaly	Description
1.001.005	None	-