

FF Link/B

Release Notes

A-FFL/B

Document No. D122-009

Document Revision 1.0

06/2024

Firmware Revision 2.001.008

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 2.001.008 of the FF Link 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	https://www.aparian.com/software/slate
FF Link User Manual FF Link Datasheet Example Code & UDTs	https://www.aparian.com/products/ff-link-b
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
FOUNDATION™ Fieldbus	FOUNDATION™ Fieldbus System Engineering Guidelines (AG-181) FOUNDATION™ Fieldbus Technical Overview (FD-043) www.fieldcommgroup.org/technologies/foundation-fieldbus

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
2.001.008	LED Flash Discovery	Ability to discover the module by using the LED Flash function.
	DHCP Address Assign	Updated method to assign a Static IP Address using the DHCP Server Tool in Slate.
2.001.007	Data Compel	Added support for DT5 compel.
2.001.006	H1 Data Compel	Support for additional H1 Data Compel response formats. Added configurable priority to H1 Compel requests.
	H1 Async Write	Only write the async parameters on change.

3. ANOMALIES FIXED

The following anomalies have been fixed in this firmware revision.

Revision	Anomaly	Description
2.001.008	Mapping	Fixed issue which could cause a faulty startup when EIP Originator or Modbus Client has been configured without any mapping items.
	PV Connection	Updated PV Connection establishment to have the DLPDU size that matches the download from Slate.
2.001.007	General	Non-specific fix to certain admin objects.
2.001.006	Backup LAS	When FF Link goes into backup LAS state, force H1 Device flags offline.
	H1 Time	Fix format of SM Time Update packet.
2.001.004	Local VCRs	Fixed anomaly where VCRs being sent by the FF Link was not correctly mapped and could cause the VCRs not to send.

2.001.003	Log Startup	Fixed anomaly where on power up the module event log could cause the module to restart.
-----------	-------------	---

4. KNOWN ANOMALIES

The following known anomalies exist in this firmware revision.

Revision	Anomaly	Description
2.001.008	None	-