SPROG DCC

Home of *the* DCC Decoder Programmer

USB-LCC Interface Module for LCC®/OpenLCB™

SPROG DCC Ltd

Errata

Version 1.4.1 September 2024

© Copyright 2024 SPROG DCC Ltd

Copyright © September 2024 SPROG DCC Ltd.

This document may be distributed it under the terms of Creative Commons Attribution License (http://creativecommons.org/licenses/by/3.0/), version 3.0 or later.

Contact:

SPROG DCC Ltd
Anvil House, Butt Lane
Harbury
Leamington Spa CV33 9JL
United Kingdom
https://www.sprog-dcc.co.uk

sprog@sprog-dcc.co.uk

Date	Revision	Comments
April	1.3	Created to align with version 1.3 firmware
May	1.3.1	Extraneous CDI issues removed, typos fixed
June 2024	1.4	USB latency timer
September 2024	1.4.1	LCC network hang

Unless otherwise notes references in this document to LCC apply equally to OpenLCB, and vice-versa.

LCC® is a registered trademark of the NMRA

OpenLCB™ is a trademark of the OpenLCB Group

Contents

1 Issues 4
1.1 Firmware Issues 4
1.2 Hardware Issues 4
2 Links to Further Information 4

 © Copyright 2024 SPROG DCC Ltd

1 Issues

1.1 Firmware Issues

Affects	Description	Fixed in firmware
Power Monitor	Not yet characterised	-
SNII response	Uses wrong error code if buffer full	1.3
CDI	Fails with strict xml parser	1.3
Accessing configuration memory	Optional space in byte 6 is used as length parameter	1.3
Button event identification	Blue/Gold button events are identified as consumers	1.3
ACDI memory layout	Format of 251 and 252 spaces is incorrect	1.3
Memory read request flags	Datagram received OK message should include reply pending flag	1.3
CDI	No field to set custom LED pattern	TBD
CDI reading	CDI reads and firmware updates are very slow on MacOS and somewhat slow on Windows, requiring the COM port latency timer to be reduced	1.4
Basic Operation	LCC network will hang if no other nodes are connected, or responding, and the USB-LCC CDI is opened	TBD

1.2 Hardware Issues

Affects	Description	Fixed in hardware
PCB	No LCC power logo on PCB	1.2
PCB	LCC node ID is not shown on PCB	1.2

2 Links to Further Information

SPROG DCC Ltd website https://www.sprog-dcc.co.uk For all our products and support.

SPROG DCC Ltd Official YouTube Channel https://www.youtube.com/@sprogdcc

OpenLCB group https://openlcb.org The group behind the OpenLCB/LCC standards.

© Copyright 2024 SPROG DCC Ltd

NMRA LCC standards page https://www.nmra.org/lcc The LCC standards adopted by the NMRA.

OpenLCB discussion group https://groups.io/g/openlcb/topics Discussion of OpenLCB topics, more developer focussed.

The NMRA's LCC user group https://groups.io/g/layoutcommandcontrol/topics a good starting point for asking questions of other LCC users.

JMRI users https://groups.io/g/jmriusers/topics JMRI software topics.

JMRI website https://www.jmri.org Download the latest JMRI releases and access support pages.

Book: Introduction to Layout Command Control https://www.amazon.co.uk/Introduction-Layout-Command-Control-Practical/dp/0988825902 focussed on RR-Cirkits products but the concepts are applicable to any LCC hardware.

 © Copyright 2024 SPROG DCC Ltd