



Gen 2 - Software Release Notes

Version 1.03

September 2019

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1 Introduction

This document describes the new features and changes available with version 1.03 software. This document describes changes to the following products:

- CP640
- CANplus Customizer

2 Linux OS

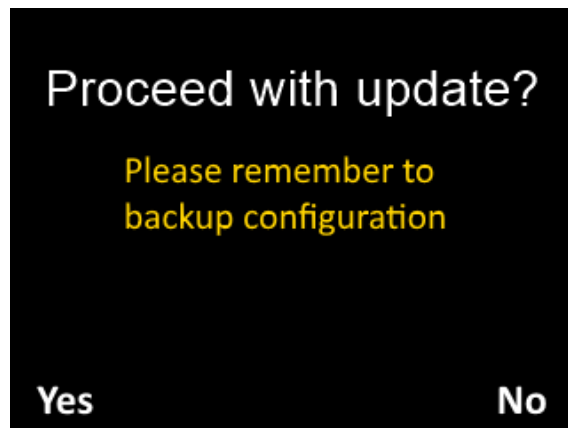
New Part Number	004_V3_OS_01539
New Part Description	Firmware, Linux OS, Filesystem: 138, Kernel: 3.14.23-168
Filename	004_V3_OS_01539.zip
LOFA Product Application	CP640, CP800, CP800M, CP900

2.1 New Features

This section describes the new features that have been added to the firmware.

2.1.1 USBUpdate Script - User Prompt

Inserting an USB drive with the usbupdate content will now trigger an intermediate screen where the user may accept/reject the firmware update.



3 Base Rotary Board

New Part Number	004-01513
New Part Description	Firmware, Base Rotary Board, Version 2.04
Filename	004-01513.lfu
LOFA Product Application	CP640

3.1 Changes

This section describes the changes that have been introduced to the firmware.

3.1.1 CAN Termination Disabled

CAN termination is now permanently disabled on the board.

4 Mechanical Rotary Board

New Part Number	004-01500
New Part Description	Firmware, Mechanical Rotary Board, Version 2.04
Filename	004-01500.lfu
LOFA Product Application	CP800, CP800M, CP900

4.1 Changes

This section describes the changes that have been introduced to the firmware.

4.1.1 CAN Termination Disabled

CAN termination is now permanently disabled on the board.

5 CP640

New Part Number	004_V3_APP_01526
New Part Description	Firmware, CP640, Version 1.03
Filename	004_V3_APP_01526.tar.gz
LOFA Product Application	CP640

5.1 New Features

This section describes the new features that have been added to the firmware.

5.1.1 New engine templates

- CAT 3.4 T4F DOC Only
- Perkins 1206/1204 T4F
- CAT 4.4 T4F
- CAT 7.1 T4F
- Hatz H50 T5

5.1.2 Isuzu engine hours

Added support for ECU History (PGN 65201, SPN 1033).

5.1.3 Legacy DM1 decoding

Added support for DM1 SPN decoding versions 1, 2, and 3. Version 4 is automatically used if the DM1 message instructs it, otherwise the user must select the proper conversion option from the menus.

5.2 Bug Fixes

The section describes any bug fixes that have been performed in this release.

5.2.1 CAN Logging

- Improved interpacket time calculation accuracy.
- Addressed issue where the CAN logging enable/disable process could corrupt USB drive or hang the application.

5.2.2 Autoramp

Added protections to autoramp logic to prevent unexpected behavior after an autoramp cycle finishes. Will now wait until engine stop is detected before transitioning to the appropriate state.

5.2.3 Security access level

Key toggle to off will now reset access level back to User.

6 CANplus Customizer

6.1 Backward Compatability

Customizer will support CP800, CP800M, CP900 1.02.

6.2 New Features

This section describes the new features that have been added to the CANplus Suite.

6.2.1 LFC Version information

Added app and API version information as part of the .lfc header. This will help identifying with what tool/panel version a config was created in.