



# CANplus RT™ Software Release Notes

**Version 1.05**

August 2020

LOFA Document No. 463-9000-68



**Disclaimer:** The contents of this document are not to be used for advertising, publication, or promotional purposes. Citation of trade names does not constitute an official endorsement or approval of the use of such commercial products. All product names and trademarks cited are the property of their respective owners.

**DESTROY THIS DOCUMENT WHEN NO LONGER NEEDED. DO NOT RETURN IT TO THE ORIGINATOR.**

# Table of Contents

<b>1</b>	<b>Introduction</b> .....	<b>1</b>
<b>2</b>	<b>CP1000</b> .....	<b>2</b>
2.1	Engine Specific Changes .....	2
2.2	HMI Changes .....	2
2.3	Panel Core Logic Changes .....	2
<b>3</b>	<b>LC45</b> .....	<b>4</b>
3.1	Engine Specific Changes .....	4
3.2	HMI Changes .....	4
3.3	Panel Core Logic Changes .....	4
<b>4</b>	<b>LC40</b> .....	<b>6</b>
4.1	Engine Specific Changes .....	6
4.2	HMI Changes .....	6
4.3	Panel Core Logic Changes .....	6
<b>5</b>	<b>CANplus Customizer</b> .....	<b>8</b>
5.1	Backward Compatability .....	8
5.2	New Features .....	8

# 1 Introduction

This document describes the new features and changes available with version 1.05 software. This document describes changes to the following products:

- CP1000
- LC45
- LC40
- CANplus Customizer

## 2 CP1000

New Part Number	004-01786
New Part Description	Firmware, CP1000, Version 1.05
Filename	004-01786.lfw
LOFA Product Application	CP1000

### 2.1 Engine Specific Changes

This section describes the any changes that affect specific engine templates.

- CAT 9.3B
  - Added.
- Deutz Stage V
  - Added. Added icon resets for the Deutz SCR icons.

### 2.2 HMI Changes

This section describes the any changes that affect the User Interface.

- Language
  - Polish, French, and German added.
- Alarms
  - External alarm can now be muted by acknowledging faults.
  - Added "Alarm timeout" parmameter.
  - Updated "Unexpected Shutdown" event to latch all faults, not just red.
- HMI
  - Improved dialog box messages.
  - Improved AUTO icon.

### 2.3 Panel Core Logic Changes

This section describes the any changes that affect panel, engine, or I/O control.

- Added support to new analog hardware.

- Added low power mode support.
- Added support for external RPM Up/Down Switches.
- Added support for the external rabbit/turtle switch in remote control autostart mode.
- Added support for a 0 to 5 volts fuel gauge.

## 3 LC45

New Part Number	004-01786
New Part Description	Firmware, LC45, Version 1.05
Filename	004-01786.lfw
LOFA Product Application	LC45

### 3.1 Engine Specific Changes

This section describes the any changes that affect specific engine templates.

- CAT 9.3B
  - Added.
- Deutz Stage V
  - Added. Added icon resets for the Deutz SCR icons.

### 3.2 HMI Changes

This section describes the any changes that affect the User Interface.

- Language
  - Polish, French, and German added.
- Alarms
  - External alarm can now be muted by acknowledging faults.
  - Added "Alarm timeout" parmameter.
  - Updated "Unexpected Shutdown" event to latch all faults, not just red.
- HMI
  - Improved dialog box messages.
  - Improved AUTO icon.

### 3.3 Panel Core Logic Changes

This section describes the any changes that affect panel, engine, or I/O control.

- Added support to new analog hardware.

- Added low power mode support.
- Added support for external RPM Up/Down Switches.
- Added support for the external rabbit/turtle switch in remote control autostart mode.
- Added support for a 0 to 5 volts fuel gauge.



## 4 LC40

New Part Number	004-01786
New Part Description	Firmware, LC40, Version 1.05
Filename	004-01786.lfw
LOFA Product Application	LC40

### 4.1 Engine Specific Changes

This section describes the any changes that affect specific engine templates.

- CAT 9.3B
  - Added.
- Deutz Stage V
  - Added. Added icon resets for the Deutz SCR icons.

### 4.2 HMI Changes

This section describes the any changes that affect the User Interface.

- Language
  - Polish, French, and German added.
- Alarms
  - External alarm can now be muted by acknowledging faults.
  - Added "Alarm timeout" parmameter.
  - Updated "Unexpected Shutdown" event to latch all faults, not just red.
- HMI
  - Improved dialog box messages.
  - Improved AUTO icon.

### 4.3 Panel Core Logic Changes

This section describes the any changes that affect panel, engine, or I/O control.

- Added support to new analog hardware.

- Added low power mode support.
- Added support for external RPM Up/Down Switches.
- Added support for the external rabbit/turtle switch in remote control autostart mode.
- Added support for a 0 to 5 volts fuel gauge.

## 5 CANplus Customizer

### 5.1 Backward Compatability

Customizer will NOT support CP1000/LC45/LC40 configurations. It is advised that customers use Customizer 1.05 to create new configs.

Customizer will support CP900/CP800/CP640c configurations.

### 5.2 New Features

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

- Added "Alarm Timeout" parameter.
- Updated events to support Rabbit/Turtle switch select for remote control mode.
- Updated events to support external alarm handling.