

# LDD-1321 Software Release Notes

**Devices:**

LDD-1321

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 Member of Berndorf Group



Developed, assembled, and tested in Switzerland

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Document 5299D

Release date: 3 July 2024

# 1 Current, Version 1.20

2024-07-03; LDD-1321 Service Software v1.20; LDD-1321 Firmware v1.20.

## 1.1 Supported Devices

- LDD-1321: hardware version range 1.10 – 1.20.

## 1.2 New and Improved Features

- New GPIO function: edge triggered hardware enable.
- Added LPC output level monitor parameter (ID 1601).
- Increased upper limit of the slope limit parameter (ID 2113).
- Removed deprecated volatile parameters:
  - Removed: parameter 3100, 50000, 50001, 50022.
  - Changed: parameter 2100, 2101.

## 1.3 Resolved Issues

- In case of an interlock error the auto reset now waits until the interlock has been released again before triggering.
- A concurrent parameter save and reset could lead to memory loss.
- Fixed an out of bounds write when setting the stop fan channel of a GPIO to an invalid channel. Any channel higher than channel 2 is invalid for the stop fan GPIO function.
- Fixed a bug where the GPIO HW Enable goes active even if the GPIO input is logic low. Happened when setting the HW Enable channel to an invalid channel. Only channel 1 is valid for the HW Enable GPIO function.
- Fixed a service software crash which occurred after being open for longer than 7 hours. Firmware was unaffected.

## 1.4 Known Issues

- None known at time of release.

## **2 Previous, Version 1.11**

2024-04-30; LDD-1321 Service Software v1.11 (no change); LDD-1321 Firmware v1.11.

### **2.1 Supported Devices**

- LDD-1321: hardware version range 1.10 – 1.20.

### **2.2 New and Improved Features**

### **2.3 Resolved Issues**

- Fixed a bug in the fan control feature which caused it not to work under certain conditions.

### **2.4 Known Issues**

- None known at time of release.

## **3 Previous, Version 1.10**

2024-01-24; LDD-1321 Service Software v1.10; LDD-1321 Firmware v1.10.

### **3.1 Supported Devices**

- LDD-1321: hardware version range 1.10 – 1.10.

### **3.2 New and Improved Features**

- PWR-1191 (TEC power stage) and temperature control added.
- The analog voltage input can now be used to set the current.
- Light power control feature (LPC) added.
- The set current can now be set by using a lookup table (LUT).
- Signal generator feature added.

### **3.3 Resolved Issues**

- None.

### **3.4 Known Issues**

- None known at time of release.

## **4 Previous, Version 1.00**

2023-08-21; LDD-1321 Service Software v1.00; LDD-1321 Firmware v1.00.

### **4.1 Supported Devices**

- LDD-1321 hardware version range 1.10 – 1.10.

### **4.2 New and Improved Features**

- None.

### **4.3 Resolved Issues**

- None.

### **4.4 Known Issues**

- None known at time of release.

## A Change History

Date of change	Doc/Version	Changed/ Approved	Change / Reason
2024-01-24	A	RS / HS	<ul style="list-style-type: none"><li>• Release v1.10</li></ul>
2024-03-26	B	RS / SC	<ul style="list-style-type: none"><li>• Expand hardware compatibility range</li></ul>
2024-04-30	C	RS / HS	<ul style="list-style-type: none"><li>• Update hardware compatibility range</li><li>• Release v1.11</li></ul>
2024-07-03	D	SC / RS	<ul style="list-style-type: none"><li>• Release v1.20</li></ul>