

# USER MANUAL

RADD309 Version 07.02.12  
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# 81801  
for Speed-Control  
Firmware Update

## USB Bridge Spec.2

### Drivers, software & their installation

All required files are available for download at [www.LRP.cc](http://www.LRP.cc).

There is software available for PC (tested up to Windows7) and Mac/Apple computers, make sure you download the right version for your computer.

**Important:** before using the LRP USB-Bridge Spec.2 you need to install correct USB-driver!

The required software is available for download and the installation is self explaining! Just make sure you install & start it with full administrator rights, as especially under Windows7, it may not work properly if the software isn't started as an Administrator!

The software is kept simple and will give you on-screen guidance through entire updating process.

**Important:** make sure to close all other programmes when updating speed-controls as those may interfere with updating process.

The actual firmware files have the file ending .Jrp2 to easily identify them, not all files work on all speed-controls but the software avoids that you update with wrong files automatically.

### Connection

1. connect USB-Bridge device to computer by supplied USB wire.
2. install required USB driver after Windows tells to do so and follow on-screen instructions.
3. if all is installed correctly, the blue LED will turn-on on USB-Bridge now. If no LED turns-on, there is an installation or connection problem!
4. check there is no battery connected to speed-control (there can not be a battery connected during update process!) and leave speed-controls switch in OFF position.
5. connect speed-control and USB-Bridge using supplied hall sensor wire (this is a standard sensor wire!).
6. proceed as mentioned below under „Updating Process“

### Updating Process

1. make sure installation and connections are correct (see above).
2. start software on your computer (make sure you always use the latest version).“
3. select the language, currently English, German and Japanese are supported, you'd like to use.
4. at Step.1 / press „CONNECT to Speed-Control“ button.  
→ yellow LED on USB-Bridge and red LED on speed-control must turn-on now.  
→ the software tells you now which speed-control was found, it's serial number and it's firmware version (on connected speed-control).
5. at Step.2 / press „OPEN“ button and select the firmware file you wish to update the speed-control to.  
→ if you select a file which is not supported by your speed-control, you'll receive an error message.
6. at Step.3 / press „START“ button to update firmware on speed-control“.  
→ updating is under processing, it will take up to 4mins per speed-control.  
→ **Important:** do not disconnect speed-control or close software during updating process!  
→ you get a „complete“ message after it's done successfully and the software will indicate the speed-controls new firmware version.

#### Keep in mind:

- only certain LRP speed-controls are designed to accept firmware updates through this USB-Bridge! Please refer to complete list at [www.LRP.cc](http://www.LRP.cc) about which speed-controls are supported.
- do not disconnect speed-control or close software during updating process as this may cause a fatal error and result in a non-working speed-control with corrupted firmware. Such speed-controls may possibly not accept further updates and need to be sent in to LRP for servicing!
- close all other programmes when updating speed-controls as those may interfere with the updating process.
- make sure you start the software with full administrator rights, as especially under Windows7 it may not work if the software isn't started in „administrator mode“!

Thank you for your trust in this LRP product. By purchasing an LRP USB-Bridge Spec.2, you have chosen a useful tool to keep your speed-controls firmware up-to-date by having access to the latest developments available at [www.LRP.cc](http://www.LRP.cc)

**Please frequently check for manual- or firmware-updates available on our website!**

Please read the following instructions carefully before you start using your product. This user guide contains important notes for the installation, the safety, the use and the maintenance of this product. Thus protecting yourself and avoid damages of the product.

Proceed according to the user guide in order to understand your product better. Please take your time as you will have much more joy with your product if you know it exactly.

This user manual shall be kept in a safe place. If another customer is using this product, this manual has to be handed out together with it.

### Specifications

Dimensions	44 x 15mm
Status LED	2
Connection Bridge to PC	USB Micro-B
Includes USB Wire	yes, 0,5m
Connection Bridge to Speed-Control	Sensor Wire
Includes Sensor Wire	yes, 200mm

Specifications subject to change without notice.

### Troubleshooting Guide

To eliminate all other possibilities or improper handling, first check wiring, installation of USB-driver and the trouble shooting guide before you send in this product for repair. If products are sent in for repair, which do operate perfectly, we have to charge a service fee according to our pricelist.

SYMPTOM	CAUSE	REMEDY
USB Bridge not found	Wiring problem Installation Problem of USB-driver Software not started with full Administrator rights	check that USB-wire is connected securely do-install driver and repeat installation start software with full administrator rights
Can not connect to speed-control	Speed-control still connected to battery Speed-controls power capacitor still charged Wiring problem PC Problem	disconnect battery wait for 30s, repeat connection attempt check proper fit of sensor wire Close all other programs and restart LRP PC-Software



The crossed-out wheeled bin means that within the European Union the product must be taken to separate collection at the product end-of-life. Do not dispose of these products as unsorted municipal waste.

### Repair Procedures / Limited Warranty

All products from LRP electronic GmbH (hereinafter called "LRP") are manufactured according to the highest quality standards. LRP guarantees this product to be free from defects in materials or workmanship for 50 days (non-european countris only) from the original date of purchase verified by sales receipt. This limited warranty doesn't cover defects, which are a result of misuse, improper maintenance, outside interference or mechanical damage.

„This applies among other things on:

- Mechanical damage to electronic components or PCB
- Humidity/Water inside the case
- Soldered on the PCB“
- Any modification of the device done by the customer
- Reverse polarity at any connections
- Connection to wrong/defective USB port

To eliminate all other possibilities or improper handling, first check all other components in your model and the trouble shooting guide, if available, before you send in this product for repair. If products are sent in for repair, which do operate perfectly, we have to charge a service fee according to our pricelist.

With sending in this product, the customer has to advise LRP if the product should be repaired in either case. If there is neither a warranty nor guarantee claim, the inspection of the product and the repairs, if necessary, in either case will be charged with a fee at the customers expense according to our price list. A proof of purchase including date of purchase needs to be included. Otherwise, no warranty can be granted. For quick repair- and return service, add your address and detailed description of the malfunction.

If LRP no longer manufactures a returned defective product and we are unable to service it, we shall provide you with a product that has at least the same value from one of the successor series.

The specifications like weight, size and others should be seen as guide values. Due to ongoing technical improvements, which are done in the interest of the product, LRP does not take any responsibility for the accuracy of these specs.

With LRP 25-Years Warranty products, the warranty terms on the LRP 25-Years Warranty card do also apply. The legal warranty claims, which arose originally when the product was purchased, shall remain unaffected.

#### LRP-Distributor-Service:

- Package your product carefully and include sales receipt and detailed description of malfunction.
- Send parcel to your national LRP distributor.
- Distributor repairs or exchanges the product.
- Shipment back to you usually by COD (cash on delivery), but this is subject to your national LRP distributor's general policy.