

# ACCESS200 installation | Configuration via USB

## Important notes

Use this guide if you configure readers via USB or if readers are already configured. For configuration via ConfigCard/Wireless Upload, see installation guide for contactless configuration.

For potted readers, we highly recommend contactless configuration instead.

## Equipment & requirements

- ACCESS200 reader incl. base part
- Drill template (available in the [download](#) section at baltech.de)
- 3mm diameter countersunk head screws (to fix the base part)
- Project card (to test reader and configuration)
- Optional: AdrCard (to set bus address), LicenseCard (to deploy Prox license)
- To deploy configuration:
  - Configuration file in BEC or BEC2 format
  - Laptop with Windows tool “BALTECH Uploader” (part of [BALTECH ToolSuite](#))
  - USB cable

## Installation of unpotted readers

### 1. Deploy configuration

Connect reader to laptop using the USB cable. Start BALTECH Uploader, select the configuration file, and click *Start Wired Upload*. Once upload is completed, disconnect the USB cable.

### 2. Fix base part

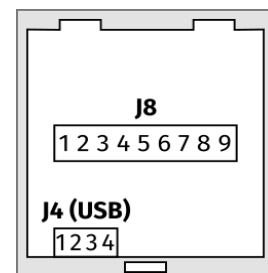
Fix the base part with the 3 mm diameter countersunk head screws. Heads must not stand out more than 1 mm from the base surface.

### 3. Wire reader

Connect the reader to the host system according to tables below. You can unplug the clamp J8 to do so (see image on the right).

**Do not close the housing yet** if you want to set a bus address (see next step)!

Unpotted reader rear view

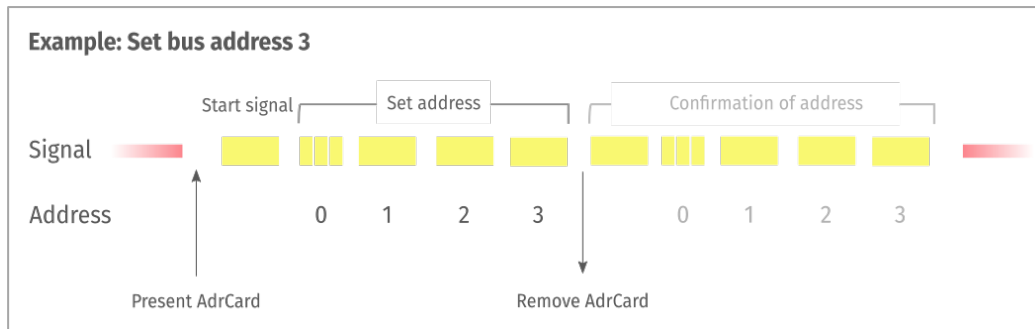


<b>Pigtail cable connection / Molex Pico-SPOX (outdoor/potted versions) stranded, AWG26</b>		
<b>Color</b>	<b>Connector pin #</b>	<b>Signal/funct.</b>
White/Orange	1	WIE_D0/RS485A
Orange	2	WIE_D1/RS485B
White/Green	3	LEDGN
Green	4	LEDRD
Red/White	5	USB Data -
Black/White	6	USB Data +
Red or White/Grey	7	+VIN
Black or Grey	8	GND
White/Blue	9	GND (reserved for USB maintenance interface)
Blue	10	REL_WC
White/Brown	11	REL_NO
Brown	12	REL_NC

<b>J8 Pluggable cage clamp (indoor versions)</b>	
<b>Pin #</b>	<b>Signal/funct.</b>
J8-1	GND
J8-2	+Vin
J8-3	WIE_D0/RS485A
J8-4	WIE_D1/RS485B
J8-5	LEDGN
J8-6	LEDRD
J8-7	REL_WC
J8-8	REL_NO
J8-9	REL_NC

#### 4. Optional: Set bus address

To enable a bus protocol (by default OSDP), set a bus address on each reader:  
Present a BALTECH AdrCard and wait for the signal indicating the desired address.



**Details & troubleshooting:**  
[docs.baltech.de/bus-address](https://docs.baltech.de/bus-address)

#### 5. Close housing

Plug the wired clamp back on the reader, and fit the reader on the base.

If you need to reopen it: Use a wide screwdriver and apply force over the whole snapper width. Once you've pushed the snapper slightly upwards, remove the front of the housing by pulling its lower edge towards you.

#### 6. Optional: Deploy Prox license

To deploy a Prox license for HID Prox/Indala/Keri support, present BALTECH LicenseCard to each reader until LED turns green.



**Details & troubleshooting:**  
[docs.baltech.de/licensecard](https://docs.baltech.de/licensecard)

#### 7. Test reader and configuration

Test the readers with a project card. The host system must be configured for live operations.

#### Installation of potted readers

The above installation process changes as follows:

##### 1. Fix base part

Proceed as described on page 1.

##### 2. Wire reader

Connect the reader to the host system. To do so, cut off clamp, shorten cable, and strip wires. Connect a cut-open USB cable to the laptop. Connect the USB cable to the USB wires of the pigtail cable (pins 5,6, and 9 from table on page 1).

##### 3. Deploy configuration

Proceed as described on page 1.

##### 4. Proceed with steps 4–7 as described on page 1.

## Support

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