ACCESS200 installation guide

for configuration via ConfigCard or Wireless Upload (NFC)

Note: For configuration via Wired Upload (USB) or preconfigured readers, use the separate guide.

Equipment & requirements

- Drill template (available in the download section at baltech.de)
- ACCESS200 reader incl. base part
- 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:

Via ConfigCard

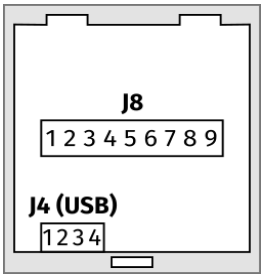
- ConfigCard with configuration stored on it
- Or to create a ConfigCard yourself:
  Blank ConfigCard/MIFARE DESFire card plus the equipment for Wireless Upload (see list in column on the right)

Via Wireless Upload

- Target readers with firmware 1100 v2.00 or above (or supported custom firmware)
- Transfer reader: ID-engine ZB Brick, ISO product line (10115)
- Configuration file in BEC2 format
- Laptop with latest version of "BALTECH Uploader" (part of BALTECH ToolSuite)

Installation

Unpotted reader rear view



1. 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.

2. Wire reader

Connect the reader to the host system according to tables below.

- For unpotted readers, you can unplug the clamp J8 (see image on the right).
- For potted readers, cut the connector off the pigtail cable, shorten cable, and strip wires.

Pigtail cable connection / Molex Pico-SPOX (potted/outdoor readers) stranded, AWG26		
Color	***Connector pin #***	***Signal/funct.***
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

J8 Pluggable cage clamp (unpotted/indoor readers)	
Pin #	***Signal/funct.***
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

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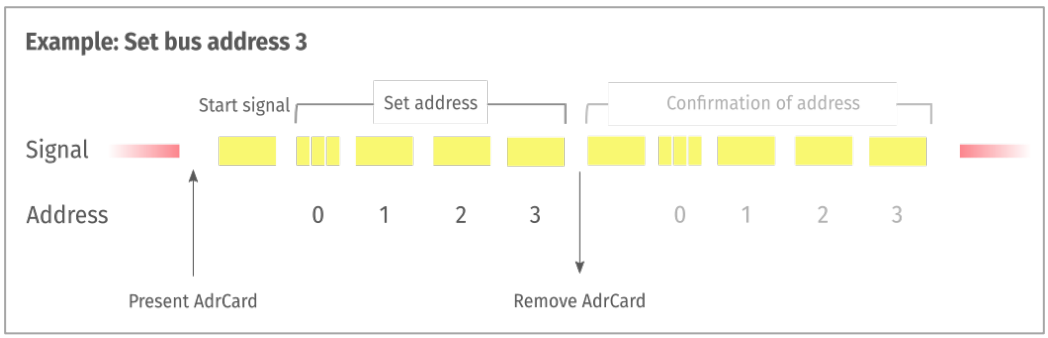
3. Close housing

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

If you need to reopen the housing: 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.

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

5. 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

6. Optional: Test reader

Readers will now read any card's UID (serial number) and transmit it to the host system.
To test the reader, configure the host system temporarily to accept your project card's UID.

7. Deploy configuration

Via ConfigCard

- To create a ConfigCard yourself, connect the transfer reader to your laptop, start BALTECH Uploader, select the BEC2 configuration file, and click *Create ConfigCard*.
- With the configuration stored on the ConfigCard, present the card to each reader until LED turns green.

Details & troubleshooting:
docs.baltech.de/deploy-config-card

Via Wireless Upload

- Connect the transfer reader to your laptop, start BALTECH Uploader, select the BEC2 configuration file, and click *Start Wireless Upload*.
- Position the transfer reader on top of the target reader and align antenna centers (i.e., card symbols on front stickers). Tolerance is 10 mm max. in each direction.

Details & troubleshooting:
docs.baltech.de/deploy-wireless-upload

8. Test configuration

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

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