

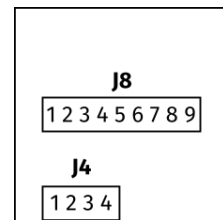
# ACCESS200 installation guide

## 1. Install readers

Fix the base part to a single gang box or directly to the mounting surface. Use 3 mm diameter countersunk head screws. Heads must not stand out more than 1 mm from the base surface.

- When using stranded wires, make sure there are no wires outside the cages of the pluggable cage clamp.
- To avoid rain interference, mount outdoor keypad readers upright or at a protected spot. Otherwise, ensure large water drops are wiped off if readers are malfunctioning.

### Connector and pins (reader rear view)



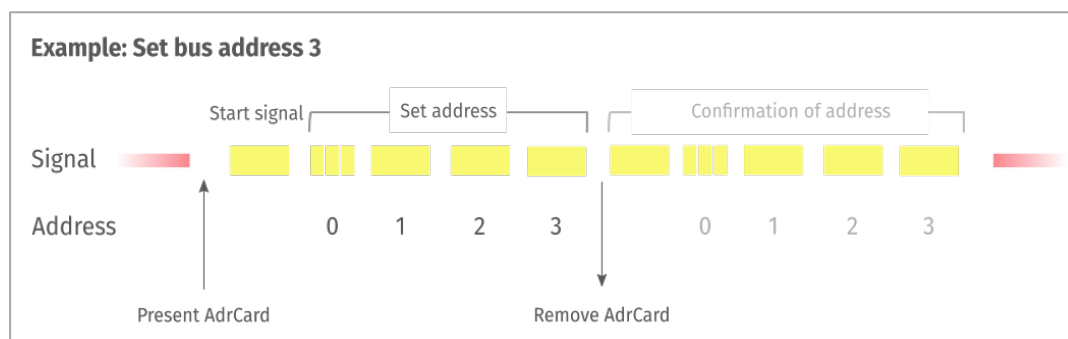
<b>Pigtail cable connection / Molex Pico-SPOX (outdoor/potted versions) stranded, AWG28, power Red&amp;Black AWG 24</b>		
Color	Connector pin #	Signal/funct.
White/Orange	1	WIE_D0/RS485A
Orange	2	WIE_D1/RS485B
White/Green	3	LEDGN
Green	4	LEDRD
Red/White	5	USB Data -
Black/White	6	USB Data +
Red	7	+VIN
Black	8	GND
White/Blue	9	GND
Blue	10	REL_WC
White/Brown	11	REL_NO
Brown	12	REL_NC

<b>J8 Pluggable cage clamp (indoor versions)</b>	
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

## 2. Optional: Set bus address

When using a bus protocol (e.g. OSDP), set a bus address for each reader: Place a BALTECH AdrCard in front of the reader and wait for the signal indicating the desired address.

If readers are already configured, the **reader housing (i.e. the tamper switch) must be open.**



Learn more:  
[docs.baltech.de/bus-address](https://docs.baltech.de/bus-address)

### 3. Optional: Deploy Prox license

To deploy a Prox license for HID Prox, Indala, or Keri card support, present a BALTECH LicenseCard to each reader. Successful deployment is signaled by a yellow and green LED sequence.



**Learn more:**  
[docs.baltech.de/licensecard](https://docs.baltech.de/licensecard)

### 4. Optional: Test reader functionality

By default, the readers will now read any card's UID (serial number) and transmit it to the host system. You can make use of this behavior to check if the readers are up and running: Use a test card and configure the host system temporarily to accept this card's UID.

### 5. Deploy configuration

#### BEC2 file

Deploy via the software tool "Uploader" (part of [BALTECH ToolSuite](#)).

Option	How it works	Requirements
Wired upload	Connect the reader to your laptop via USB or RS-232.	<ul style="list-style-type: none"> <li>Any ToolSuite version</li> </ul>
Wireless upload <i>- Beta -</i>	Connect a transfer reader to your laptop to upload the configuration wirelessly via NFC to the target reader.	<ul style="list-style-type: none"> <li><b>ToolSuite:</b> v.4.26.00 or above</li> <li><b>Target reader:</b> firmware 1100 v.2.00.00 or above</li> <li><b>Transfer reader:</b> <ul style="list-style-type: none"> <li>ID-engine ZB Brick, ISO product line (10115). LEGIC readers (10117) will not work!</li> <li>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.</li> </ul> </li> </ul>
Create ConfigCard <i>- Beta -</i>	Load configuration onto a ConfigCard. When created, present the card to each reader. Successful deployment is signaled by yellow and green LED sequence.	<ul style="list-style-type: none"> <li><b>ToolSuite:</b> v.4.26.00 or above</li> <li><b>Reader to write config to card:</b> ID-engine ZB Brick, firmware 11.23.01 or above</li> <li><b>ConfigCard:</b> BALTECH ConfigCard v2 or blank MIFARE DESFire card (EV1 or above)</li> <li><b>Target reader:</b> firmware 1100 v.2.00.00 or above</li> </ul>

#### BEC file

Deploy via wired upload only. See description in table above.

#### ConfigCard

Present the ConfigCard to each reader. Successful deployment is signaled by a yellow and green LED sequence.



**Learn more:**  
[docs.baltech.de/deploy](https://docs.baltech.de/deploy)  
Beta options are not yet included in the online documentation.

### 6. Test configuration

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

### Support

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