

Wiring the M2M Access Control

⚠ Wiring must only be done with the system switched off and the power source disconnected!

- Connect the M2M Access Control Device **PWR+** and **PWR-** ports to a 12V DC power supply.
- Connect your RFID reader to the M2M Access Control Device:
 - Connect your RFID reader to the **AUX+** and **AUX-** ports of the M2M Access Control Device, accordingly.
 - Connect your RFID reader to the **Wiegand BZ, LD, IO, DO, D1** ports of the M2M Access Control Device. Follow your RFID Reader installation instructions for wiring details.

① Connecting an RFID reader to the Access Control Device is optional.

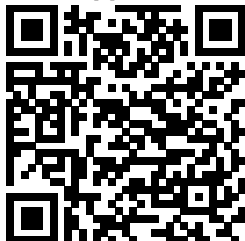
Ports	Function
PWR + and -	12V DC input to power the Access Control device
B1 and B2 inputs	Used to connect buttons (for doorbell and door open)
DS	Door sensor input
BZ	Used to trigger the RFID reader internal buzzer
Relay 1 and Relay 2 (NC, COM and NO ports)	Relay outputs (Contact Ratings: Relay 1: 30VDC/1A; Relay 2: 30VDC/0.5A)
RS 485 A and B	RS 485 communication - For future use
2x AUX Ports	12V DC outputs to power 2x RFID readers
2x Wiegand interface	Communication with 2x RFID Readers

Setting up your account in the RControl End User App

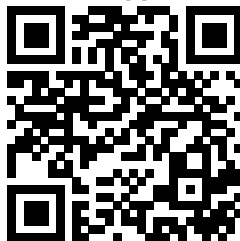
Download and install the M2M RControl mobile app for end users

Scan the QR codes below to download and install the RControl mobile app.

RControl app for Android:



RControl app for iOS:



Add App users

1. Open the RControl mobile app.
2. Click the Gear ⚙ button at the upper right corner and then click the **App Users** menu. Click the “+” button at the upper right corner of the screen and select one of the two options:
 - **Add new user** – Select this option if you would like to add a new non-existing user.
 - **Add existing user** – Select this option if you would like to add an already existing user.
3. Enter the login data required by the app.
4. To edit user settings and permissions, click on the user and you will be able to modify user settings.

Unlock the door via the app

① Before working with the app make sure your mobile phone is connected to the Internet or Bluetooth functionality is enabled on your mobile phone.

1. Open your **RControl client app** and search for your M2M Access Control device by clicking the main menu button and then the **Search** button. You can search your device by its serial number provided with the device package.
2. Once you find your device, select it by clicking on it and it will appear on your RControl app main screen.
3. To trigger the relays, click on the **Open** button.

You can change default relay state on the RControl Admin Portal > Alarm Properties. Change OUTPUTS field as follows: 9.0.0 -> N.O.; 9.1.0 -> N.C.

Enable Bluetooth for faster interaction

In the main view, below the Unlock button, you may see a message prompting you to turn on Bluetooth on your mobile device if Bluetooth is disabled on your mobile device. Click this message to enable Bluetooth, or enable Bluetooth from your device settings.

- ① No pairing is required between the Access Control and your mobile device!
- ① To trigger the relays via Bluetooth, your mobile phone must be in the range of the M2M Access Control device.


When Bluetooth connection has been established, the following icon will appear:

ONLINE 

Events history

You can monitor events generated for one year in the past. You can view the events by switching to the **Events** tab.

Enroll RFID Cards

In order to unlock the system using RFID cards, you must first connect a Wiegand card reader according to the wiring instructions above. Then add RFID cards to the M2M Access Control device: Navigate to the **Settings** menu by clicking the Gear  button and then click the **Access Cards** menu. From the upper right edge of the screen tap on the “+” button and wait for the app to load into enrollment mode.

- ① Only master users are allowed to enroll RFID Access cards!

Follow the on-screen instructions to add one or more RFID cards to the Access Control. Only the RFID cards enrolled in the Access Control can unlock the system.

Tap and hold on the card or swipe the tag left to see options:

- Tap **Edit label** to edit label name shown in the app.

Tap on the card to modify settings and permissions for the card.

Unlock via an RFID card

Once you have enrolled RFID card(s), tap the RFID card close to the RFID reader to unlock the system.

NFC Tags


Usage

NFC Tags can be used to unlock the system with the **RControl** app using the NFC functionality on your mobile device.

- ① NFC Settings are available only for Master users! Standard users can not view or modify these settings.
- ① Two NFC tags are included in the package and already pre-registered in the app. Only NFC tags purchased through M2M Services are compatible with the Access Control Device.

NFC Tags configuration

By default, the tags included in the package are pre-enrolled. To enroll additional NFC tags (purchased separately), follow the steps below:

1. Peel off the adhesive tape and mount one tag to the inside of the door and the other to the outside, so you can enter and exit the premises.
2. Enable NFC functionality on your mobile device.
3. Open your **RControl** app for Android or iOS, go to **Settings**  -> **NFC Tags** -> „+“ > **Add Tag** button and then place your phone near the desired NFC tag to enroll it.

Once configured, hold your phone with NFC enabled close to the NFC tag to unlock the access control system.

Tap and hold on the tag or swipe the tag left to see options:

- Tap **Edit label** to edit label name shown in the app.
- Tap **Delete tag** to remove the tag from the app.