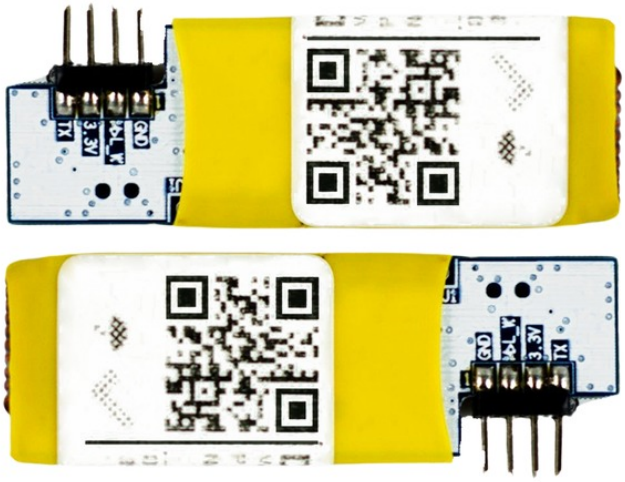
RAPTORTRON · USER MANUAL · INTEGRATED CONTROLLER

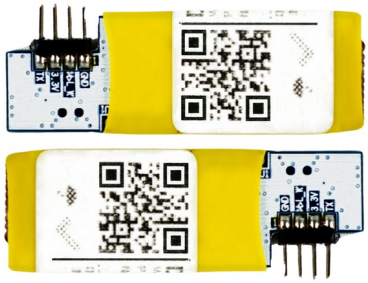
DL

Installation, connection and safety instructions for the DL smart lock integration module for Yale and Kaadas electronic locks.



User manual · English edition

01 Product overview



DL smart lock integration module.

Smart lock integration module that connects Yale/Kaadas electronic locks to the Raptortron ecosystem.

ITEM	DETAIL
Model	DL
Category	Integrated controller

02 Features

1. A dedicated integration module that connects popular third-party smart electronic lock models to the Raptortron smart home ecosystem.
2. Supports secure remote unlocking and locking, and monitoring of the access history, through the Raptortron app.
3. Sends door lock status logs and security monitoring data in real time directly to the user's management interface.
4. Lets you set up smart automation logic based on the door lock status (Unlocked, Locked, Door open), combined with time conditions.

03 Technical specifications

01 Design & installation

SPECIFICATION	VALUE
Dimensions	52mm x 20mm x 5mm
Device type	Wireless expansion and integration interface module for smart locks

02 Interface & control modes

SPECIFICATION	VALUE
Supported input interface	Yale Link / Dry contact
Control interface	01 setup/reset button

03 Power & current

SPECIFICATION	VALUE
Input voltage	6VDC
Operating current	20mA
Standby current	2.5uA

04 Connectivity & compatibility

SPECIFICATION	VALUE
Wireless communication	Raptortron Mesh
Wireless range	100m open air / 30m indoor
Verified lock compatibility	Yale / Kaadas

05 Indicators & speaker

SPECIFICATION	VALUE
Status indicator LED	Power indicator light

04 Installation guide

In the box

- Smart switch body
- Touch glass panel with bezel
- 2 wall screws
- Quick guide & warranty card

Installation steps

1. **Switch off the power.** Turn off the main circuit breaker for the area where the switch is installed. Use a voltage tester to confirm that there is no power at the switch location.
2. **Connect the wires.** Connect the L (Live) and N (Neutral) wires to the matching terminals on the switch body. For a switch that controls loads: connect the load wire (L-out) to the device. For a curtain switch: connect the 2 dry contacts (NO) to the Open/Close motor.
3. **Mount in the flush box.** Place the switch body in the 75×75mm flush box and tighten the 2 screws evenly; make sure the face sits flat against the wall.
4. **Fit the glass panel.** Align the touch glass panel with the body and press all 4 corners evenly until it clicks into place; fit the decorative bezel on the outside.
5. **Restore power.** Switch the circuit breaker back on. The indicator LED lights up and the device enters standby, waiting to be connected.

05 Connection guide

Preparation

- Raptortron smart switch
- 1 central hub with an Internet connection
- Raptortron app already connected to the central controller (make sure the phone and the central controller are on the same Internet network)

Download the Raptortron app for Android or iOS.

In the Raptortron app: auto learn

1. **Tap.** Open the Raptortron app, tap the "Menu" icon at the top of the screen, then select "Devices".
2. **Tap.** Tap the "Auto learn" icon.
3. **Tap.** When the "Auto learn" dialog appears, tick the "I have understood and agree" box, then tap **"OK"** to confirm.
4. The system starts a 60-second countdown to scan automatically and complete the device connection.

In the Raptortron app: manual learn

1. Open the "Menu" in the app, then go to "Devices".
2. **Press and hold.** Press and hold the icon of the device that you want to re-learn or replace.
3. In the list of options that appears, select "Manual learn".
4. **Tap.** When the "Manual learn" dialog appears, tap the "Learn" button. The dialog shows the Device code and the Serial number of the device.
5. The app counts down 60 seconds to finish synchronising and remembering the new device.

Teaching the device ID to the central controller

Do this on the device while the app is counting down.

1. **Press and hold.** Press and hold the device button to enter the MENU.
2. **Press.** Press the control button once more to set the ID.

Result

- **If successful:** the device automatically returns to normal operation.
- **If it fails:** the light blinks quickly 5 times in a row. Press the control button again to reconfigure the device.

Important

- Auto learn fails if the number of devices exceeds the capacity limit of the central controller.
- In that case, see the Technical specifications of the central controller for the number of devices allowed, or switch to the manual learn method.

06 Safety notes

! Use only a power supply that matches the technical specifications in this document. Using the wrong power supply can damage the device and be dangerous.

! Do not open or repair the device while it is powered. All electrical wiring must be done by a qualified electrician.

! Keep the device in a dry place, away from direct water splashes (except models explicitly rated as water-resistant, IP xx).

! The product is covered by the official Raptortron warranty policy. Please keep your purchase invoice for the best support.

English edition translated in full from the manufacturer's original manual. Specifications are subject to change; current data: https://raptortron.com/product-dl.html. Online version: https://raptortron.com/manuals/dl/