RAPTORTRON · USER MANUAL · CENTRAL HUB

MCE Lite

Installation, network setup and safety instructions for the MCE Lite smart-home central hub with Ethernet and Wi-Fi.



User manual · English edition

01 Product overview



MCE Lite central hub.

Central gateway that manages scenes and operating schedules, with Ethernet and Wi-Fi connectivity.

ITEM	DETAIL
Model	MCE LITE
Category	Central hub

02 Features

1. A central controller designed to connect to the Internet, allowing every device in the system to be controlled remotely from a smartphone.
2. Stores automation configurations, preset smart scenes and operating schedules, and manages and controls the hardware devices in the system.
3. Built-in Raptortron Mesh wireless technology for seamless connection to all Raptortron smart home products.
4. Two Internet connection methods: an RJ45 Ethernet port and built-in Wi-Fi.

03 Technical specifications

01 Design & dimensions

SPECIFICATION	VALUE
Housing colour	White
Dimensions	120mm x 120mm x 36mm
Device type	Smart home central controller

02 Control interface

SPECIFICATION	VALUE
Control interface	01 setup/reset button
Display	None

03 Power & protection

SPECIFICATION	VALUE
Input voltage	12VDC ~ 24VDC - 1A
Standby power consumption	< 1.5W

04 Connectivity

SPECIFICATION	VALUE
Network interface	Ethernet RJ45 and Wi-Fi, DHCP supported
Network protocol	TCP/IP Client
Cloud integration	Built in
Wireless communication	Raptortron Mesh
Wireless range	100m open air / 30m indoor / through up to 02 reinforced concrete floors

05 System management

SPECIFICATION	VALUE
Device management capacity	50 RE4 / 30 RE3 / 30 RE2 / 20 SB6 / 15 DI2 / 10 IR / 30 DC / 20 REM / 20 SE / 5 ALE / 30 SO / 4 BSP / 6 RGB / 20 DSE / 20 PIR / 15 DI1 / 2 IF / 20 DL / 15 DR2 / 15 DC2 / 10 IR1 / 10 AC / 8 EM / 2 WI
Scene management capacity	Up to 64 scenes
Schedule management	04 time slots combined with days of the week for each scene

06 Indicators & alerts

SPECIFICATION	VALUE
Status indicators	Ethernet / Wi-Fi / Cloud
Audible alert	Buzzer

04 Installation guide

In the box

- Raptortron central hub (gateway)
- DC power adapter
- Ethernet network cable
- Quick guide & warranty card

Installation steps

1. **Choose a location.** Place the central hub in a central position in the home, away from metal obstructions and high-power transmitting devices.
2. **Connect the power.** Plug the adapter into the central hub, then into a power outlet. The power LED turns blue.
3. **Connect to the network.** Plug the Ethernet cable from the central hub into a LAN port of the router. The status LED blinks while the hub is starting up.
4. **Wait for start-up.** Wait 30-60 seconds for the central hub to finish starting up; the LED turns steady when it is ready.

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.

Wi-Fi connection guide for the triangle central hub

1. On the MCE LITE device

1. First, power up the central hub.
2. **Press and hold.** Using a thin pin, press and hold **the button on the bottom of the device** until you hear 2 beeps.

2. In the Raptortron app

1. Open the Wi-Fi settings and connect to the network named **"ACIS_AP_xxxxxxxx"**.
2. Open the Raptortron app, select "Help", then select **"Set up and connect the central hub Wi-Fi"**.
3. Select "Access point", then enter the correct name and password of your home Wi-Fi.

Note: the central hub then beeps and the light turns blue, which means the setup is complete.

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-mce-lite.html. Online version: https://raptortron.com/manuals/mce-lite/