NavKar Systems

Rim Lock.

Open your gate by remote, phone or voice.

Catalogue and User Manual

Electric rim lock · Wi-Fi Lock Supply · Remote Lock Supply

NavKar SYSTEMS

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Everything you need to know.

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Read this manual fully before installing. Keep it safe for future reference. Pictures are for illustration; the colour, shape and size of the lock, supply and remotes may change without prior notice.

Choose your kit

One lock. Choose how you open it.

Every kit uses the same weatherproof RML-8K electric rim lock. Or buy the lock on its own.

Wi-Fi

Wi-Fi Kit

Remote, Smart Life app from anywhere, Alexa and Google Home.

IN THE KIT

- RML-8K rim lock
- PSWF-01 Wi-Fi Lock Supply
- RM-BR0243 remotes
- Keys and fitting kit

BEST FOR

Opening the gate from your phone, even when away.

Remote

Remote Kit

Remote, exit switch and video door phone. No Wi-Fi needed.

IN THE KIT

- RML-8K rim lock
- PSRM-01 Remote Lock Supply
- RM-BR0243 remotes
- Keys and fitting kit

BEST FOR

Simple remote opening with door phone support.

Lock

Rim Lock

Model RML-8K. Connect it to your own 12 V DC lock supply.

IN THE KIT

- RML-8K electric rim lock
- Strike
- 8 keys and key cylinder
- Ring, plate and screws

BEST FOR

Replacing a lock. No remotes or adapter included.

	Wi-Fi Kit	Remote Kit	Rim Lock only
Remote control	Yes, up to 20	Yes	Needs a supply
Smart Life app (Android, iOS)	Yes, from anywhere	No	No
Alexa, Google Home, 15 members	Yes	No	No
Exit switch and door phone input	Yes	Yes	Via your supply
Supply and remotes included	Yes	Yes	No

The electric rim lock · Model RML-8K

Built for the main gate.

A strong stainless steel body with a weatherproof finish, made for outdoor metal gates and doors.

Weatherproof body

Stainless steel body made for outdoor main gates, in rain and sun.

Key backup

Brass key cylinder opens the gate manually during a power cut.

12 V DC

Powered safely at 12 V DC by the NavKar lock supply.

Internal locking

Lock from inside to stop unwanted exit.

Dead locking

Dead lock for extra security, or keep the lock free.

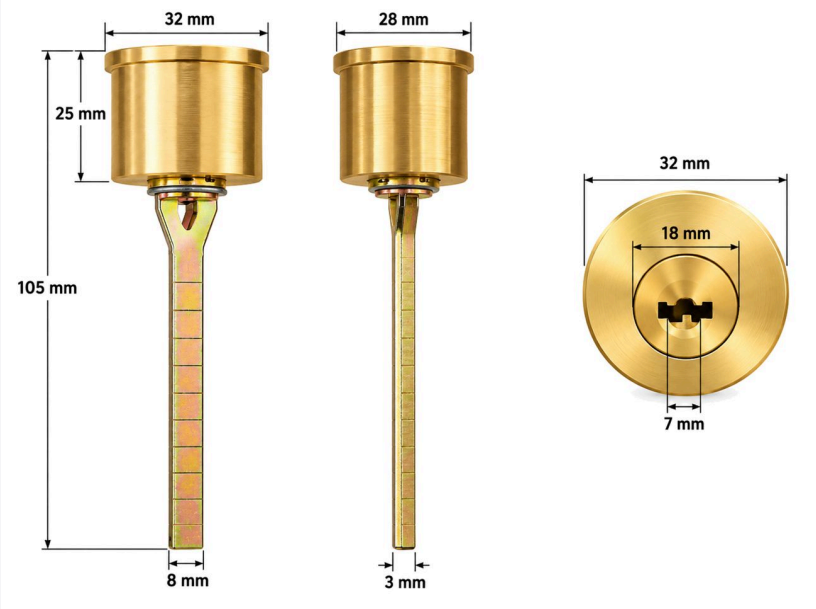
Neat outside

Only the brass key cylinder shows on the outside of the gate.

Key backup, always.

The lock mounts on the inside face of the gate. From outside, only the key cylinder is visible.

Key cylinder dimensions



Lock model	RML-8K
Cylinder flange diameter	32 mm
Cylinder body length	25 mm
Overall length with tail	105 mm
Finish	Silver body, brass key cylinder

Wi-Fi Lock Supply · Model PSWF-01

Your gate, from anywhere.

Powers the lock and connects it to your home Wi-Fi. Control it with the Smart Life app on Android and iOS.

Open from anywhere

Smart Life app opens the gate from anywhere in the world over the internet.

Alexa and Google Home

Open the gate with a simple voice command.

Up to 15 app members

Share access with family on their own phones.

Up to 20 remotes

Pair remotes in seconds with the ADD button.

Door phone and exit switch

Terminals for a video door phone and a push-button exit switch.

Model	PSWF-01
App	Smart Life (Android and iOS)
Wi-Fi	2.4 GHz only (5 GHz is not supported)
Remote frequency	433 MHz
Terminals	ADD button · − VDP + · SW · LOCK
Lock output	12 V DC
Input	AC 230 V, 50 Hz
Use	Indoor only
Warranty	One year

The WIFI button

One button on the back to pair with your phone.

Turn the Wi-Fi Lock Supply over. You will find a small pinhole button marked **WIFI** above and **ADD** below, next to the note "Wifi app - smartlife".

1

Find the button

The pinhole marked WIFI / ADD on the back cover, circled in blue.

2

Press it when the app asks

Use a pen tip or a pin. Press it once the Smart Life app is searching for devices (page 15).

3

Keep the phone close

Stay near the supply until the app shows the device. If it does not appear, press the button again.

The ADD button on the front terminal board is for pairing remotes (page 18). The WIFI button on the back is for the Smart Life app.

Remote Lock Supply · Model PSRM-01

Simple. Reliable. Remote.

The value choice. Open the gate by remote, door phone or exit switch. No Wi-Fi or app needed.

Remote control

Open the gate with a press of the remote, from your car or home.

Easy pairing

Pair remotes in seconds with the ADD button.

Door phone ready

Open the gate from your audio or video door phone.

Exit switch input

Connect a push-button switch to open from inside.

12 V DC lock output

Powers the NavKar electric rim lock directly.

Model	PSRM-01
Terminals	ADD button · – VDP + · SW · LOCK (same layout as the Wi-Fi Lock Supply)
Lock output	12 V DC
Input	AC 230 V, 50 Hz
App and voice control	Not available. Choose the Wi-Fi Lock Supply for app control.
Use	Indoor only

What's in the box

Everything to fit it.

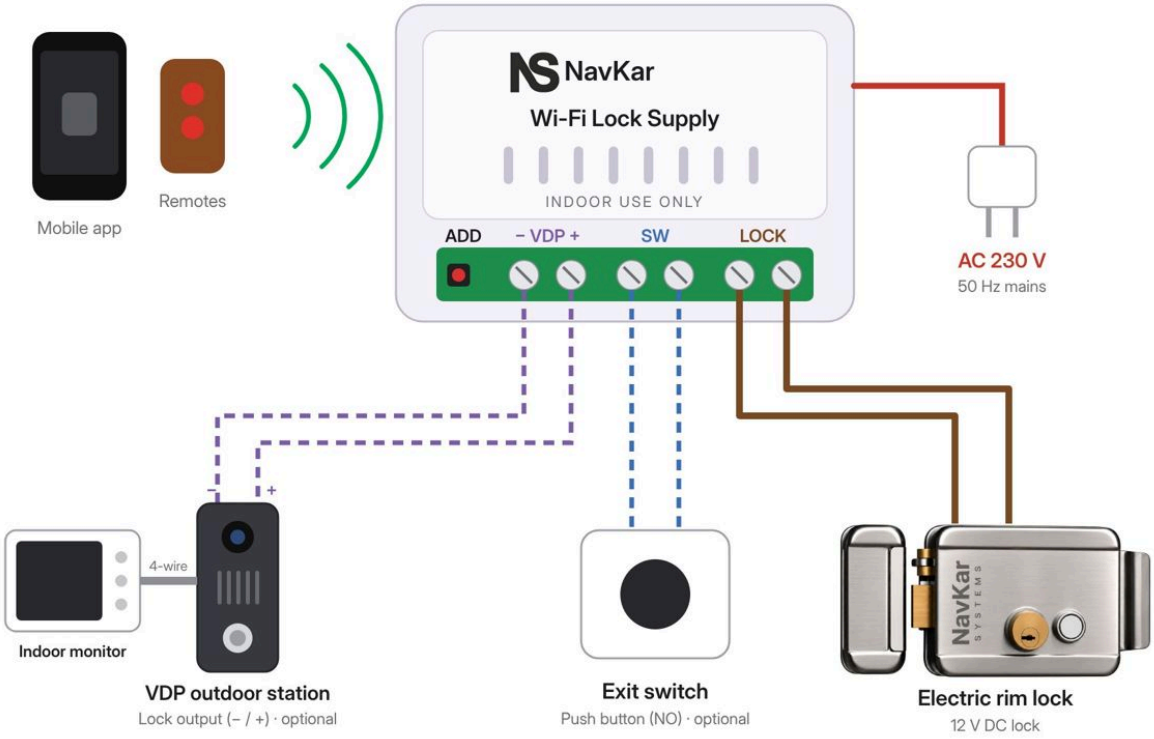
The Rim Lock RML-8K comes with the lock and its accessories only. Wi-Fi and Remote Kits also include the lock supply and remotes.

1 × RML-8K electric rim lock with strike	1 × Key cylinder
Kits only: 1 × PSWF-01 or PSRM-01 lock supply	1 × Cylinder ring
Kits only: RM-BR0243 remotes, as per kit	1 × Mounting plate
8 × Keys	Fixing screws

Video door phone, exit switch, cable and installation are not included unless stated on your order.

How to wire it.

Terminals of the NavKar Wi-Fi Lock Supply.



INSTALLATION

- Complete all wiring before connecting to mains.
- VDP: wire the lock output of the outdoor station to – VDP +, + to +.
- Exit switch: use a normally-open (NO) push button.
- Mount the supply indoors on a dry wall, away from water and heat.

REMOTE PAIRING

- Press ADD once, then press any key on the remote.
- The LED blinks to confirm the remote is paired.
- App: add the supply in the mobile app over home Wi-Fi.

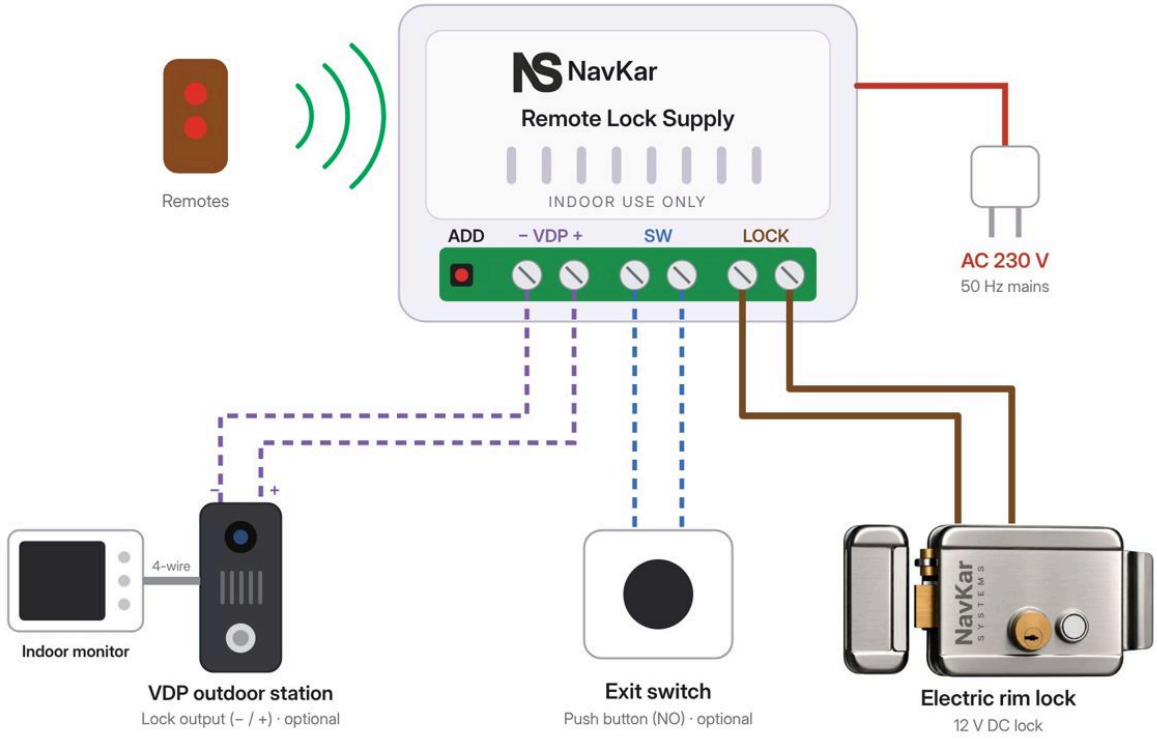
Video door phone and exit switch are not included. Installation by a trained electrician is recommended.

NavKar SYSTEMS

Safety first. Switch off mains power before wiring. Complete all wiring before connecting to AC 230 V. Installation by a trained electrician is recommended.

How to wire it.

Terminals of the NavKar Remote Lock Supply.



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NavKar SYSTEMS

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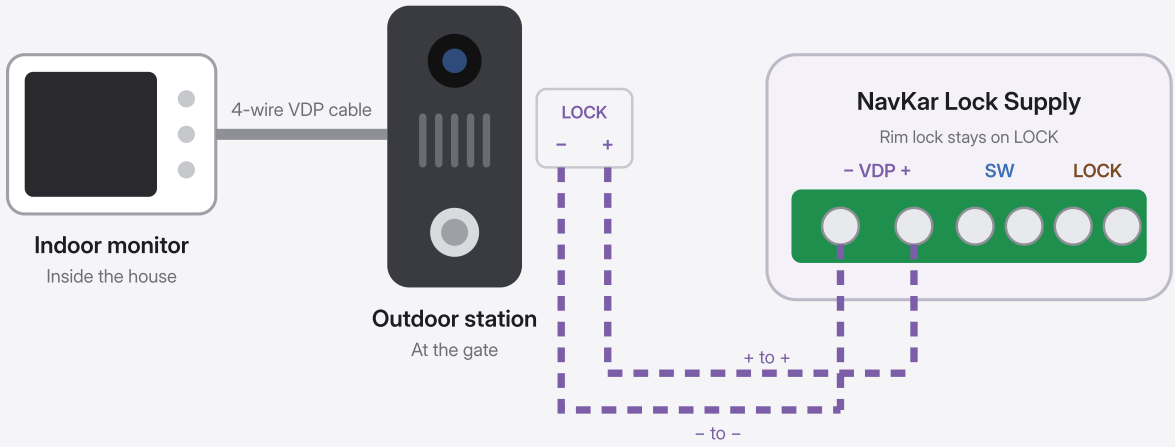
Connect a video door phone

Open from your door phone.

Press unlock on the indoor monitor and the gate opens. Connect at the **outdoor station** of the video door phone (VDP).



01

Find the lock terminals

On the back of the VDP outdoor station, find the electric lock output. It is usually marked LOCK, EL, UNLOCK or – / +. Check the VDP manual.

02

Run 2 wires to the supply

Use a 2-core wire from the outdoor station's lock terminals to the – VDP + terminals of the NavKar lock supply.

03

Match the polarity

Connect – to VDP – and + to VDP +. If the gate does not open, swap the two wires.

04

Test it

Press unlock on the indoor monitor. The gate opens for a moment and locks again when it closes.

Relay type outdoor station? If its lock terminals are marked NO and COM (a potential-free contact, no voltage), connect them to **SW** instead, just like an exit switch.

Never connect the rim lock directly to the VDP. The lock always stays on the LOCK terminals of the NavKar supply. Keep the 4-wire monitor cable as per the VDP manual.

Installation

Six steps to a smarter gate.

01

Plan the position

Fit the lock on the inside face of the metal gate, at a comfortable height. The strike goes on the gate frame, lined up with the latch.

02

Fit the key cylinder

Drill through the gate for the key cylinder. Fit the cylinder from outside with the ring, then cut the tail to suit the gate thickness.

03

Mount the lock

Fix the lock and mounting plate with the screws supplied. Close the gate and check the latch enters the strike smoothly.

04

Mount the supply indoors

Fix the supply on a dry wall inside the house, away from water, moisture and heat. Never mount it outdoors.

05

Run the wires

Connect the lock to LOCK. Optional: exit switch (NO) to SW, video door phone door-release output to − VDP + with correct polarity.

06

Power on and test

Connect to AC 230 V. Test with the remote, the exit switch and the app (Wi-Fi Kit). Check the key opens the lock too.

Before you start

Switch off mains power while wiring. Use the correct cable for the distance. Do not open the supply cover: high voltage inside, service by a qualified person only.

Pair in a few minutes.

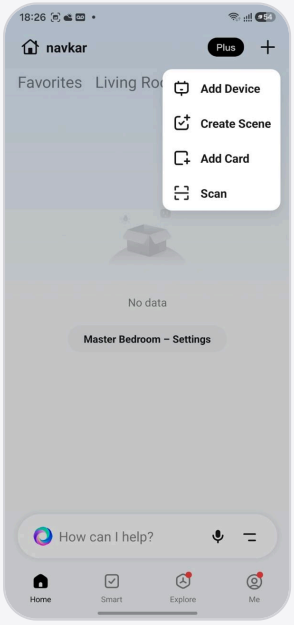
You need the Wi-Fi Lock Supply powered on, your phone, and the password of your 2.4 GHz home Wi-Fi.

Smart Life	Android · iOS	2.4 GHz
Free app	Google Play and App Store	Wi-Fi only, not 5 GHz

Step 1

Install and open Smart Life

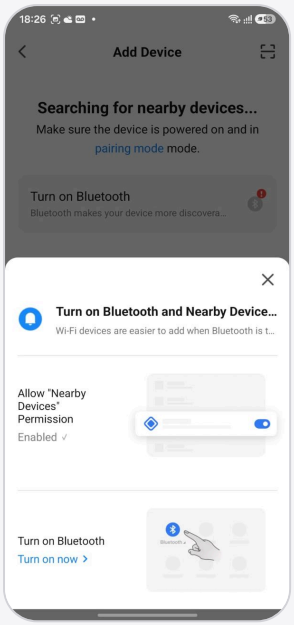
Download Smart Life from Google Play (Android) or the App Store (iPhone). Open it, then sign up or log in. Create a home if asked.



Step 2

Tap Add Device

On the home screen, tap **+** at the top right, then tap **Add Device**.



Step 3

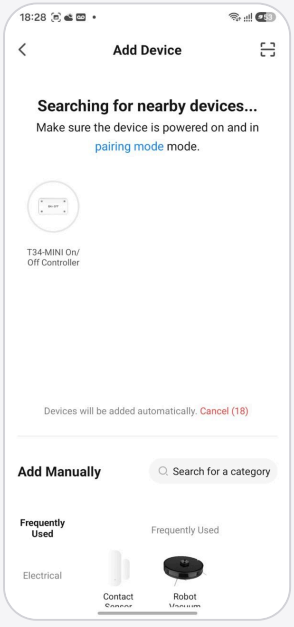
Give all permissions

Allow every permission the app asks for: Bluetooth, Nearby devices and Location. Turn on Bluetooth when asked. This lets the phone find the supply.

Step 4

Press the WIFI button on the supply

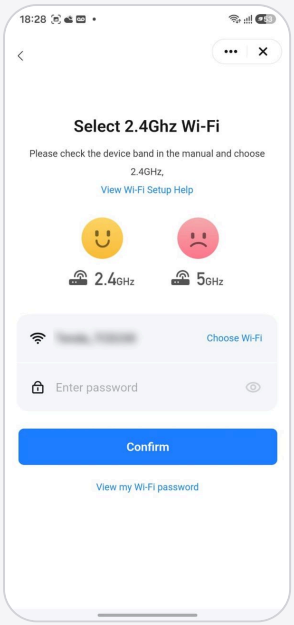
While the app is searching, press the **WIFI** pinhole button on the back of the Wi-Fi Lock Supply (page 07). Keep the phone close to the supply.



Step 5

Tap the device that appears

The supply shows up on screen as an On/Off Controller (for example "T34-MINI On/Off Controller"). Tap it to add it.

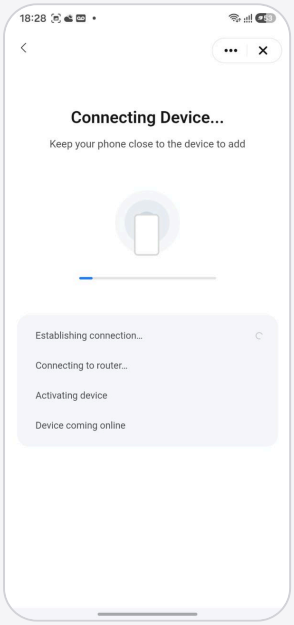


Step 6

Choose 2.4 GHz Wi-Fi and enter the password

Select your home Wi-Fi and type its password, then tap **Confirm**.

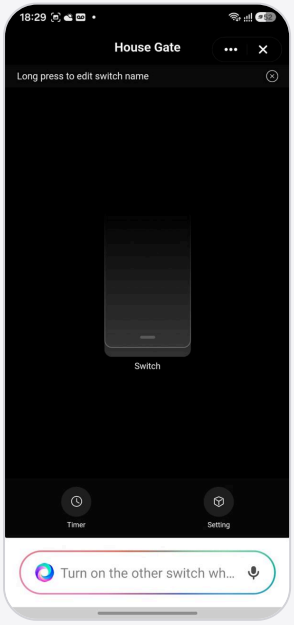
Always use 2.4 GHz Wi-Fi. The supply does not work on 5 GHz. If your router shows two networks, pick the 2.4 GHz one.



Step 7

Wait while it pairs

The app connects to the supply, then to your router, activates it and brings it online. Keep the phone near the supply.



Step 8

Device paired

Rename it, for example **House Gate**. Tap the switch to open the gate.

Step 9 · Most important

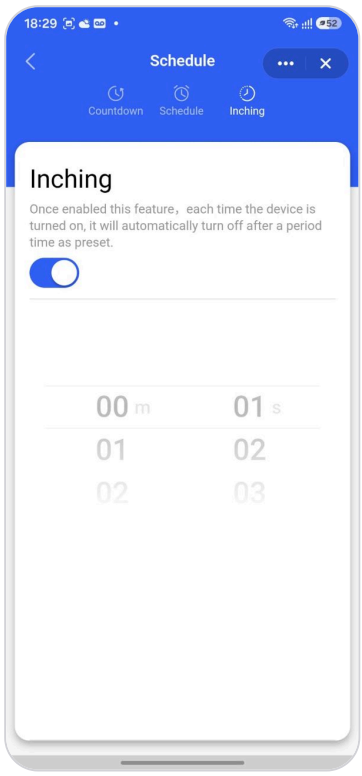
Set Inching to 1 second.

Inching makes the supply switch the lock off automatically after 1 second. This must always stay on.

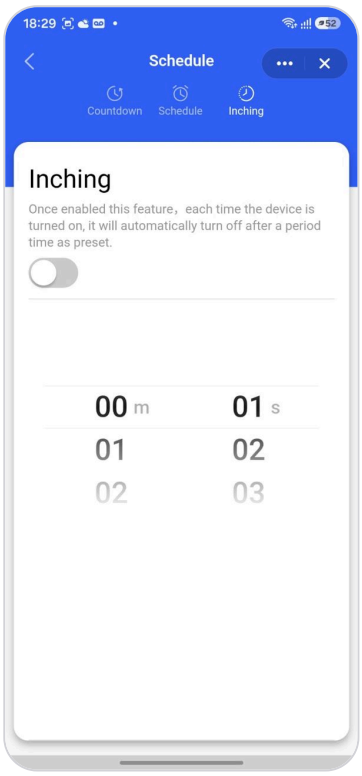
1. Open the device (House Gate).
2. Tap **Timer** at the bottom.
3. Tap **Inching** at the top right.
4. Set the time to **00 m 01 s**.
5. Make sure the switch is **ON** (blue). If it is off, turn it on.

Never turn Inching off.
If Inching is off, the lock stays powered after you open it. This overheats and damages the coil inside the lock. Coil damage is not covered by warranty.

Check this setting again after you reset the supply, re-pair it, or change your Wi-Fi.



Correct
ON at 1 s



Wrong
Inching off

Remotes, family and voice

Share the gate, not the keys.

Pair a remote

Both supplies. Up to 20 remotes on the Wi-Fi Lock Supply.

1. Press the **ADD** button on the front terminal board once.
2. Press any key on the remote.
3. The LED blinks to confirm the remote is paired.

Add family members

Wi-Fi Kit. Up to 15 members, each on their own phone.

1. Each member installs Smart Life and signs up.
2. In your app, open **Me** › **Home Management** › your home.
3. Tap **Add Member** and invite them.

Amazon Alexa

Wi-Fi Kit.

1. Open the Alexa app › **Skills**.
2. Enable the **Smart Life** skill and link your Smart Life account.
3. Discover devices. Your House Gate appears.

Google Home

Wi-Fi Kit.

1. Open Google Home › **+** › **Set up device**.
2. Choose **Works with Google** › **Smart Life**.
3. Log in to link your account.

App and voice control need a working Wi-Fi and internet connection at the supply. Remotes, exit switch and key work without internet.

Troubleshooting

Quick fixes.

PROBLEM	WHAT TO DO
The app cannot find the device	Turn on Bluetooth and Location and allow all permissions. Press the WIFI button on the back again and keep the phone close to the supply.
Pairing fails at "Connecting to router"	Use 2.4 GHz Wi-Fi, not 5 GHz. Re-check the password. Move the router closer or add a Wi-Fi extender near the supply.
The device shows offline	Check the supply has power and your router has internet. Restart the router. If you changed Wi-Fi name or password, pair the supply again.
The lock gets hot or buzzes	Open the app › Timer › Inching and make sure it is ON at 1 second. Never leave the lock powered continuously.
A remote does not work	Pair it again with the ADD button. Replace the remote battery if the LED on the remote is weak.
The gate does not open with the switch or door phone	Check the wiring on SW and − VDP +. Use a normally-open (NO) exit switch and the door-release output of the door phone with correct polarity.
Power cut	Open the gate with the key. The lock works again as soon as power returns.

Made to last.

Care

Keep Inching ON at 1 second at all times.

Keep the supply indoors, away from water and moisture.

Do not open the supply cover. High voltage inside.

Wipe the lock with a dry cloth. Do not use acids or strong cleaners.

Keep a spare key in a safe place inside the house.

Warranty

One year from the date of purchase, with the bill.

Not covered: physical damage, water damage, a burnt lock coil, or damage from wrong wiring or Inching turned off.

Service by NavKar Systems or a qualified person only.

Register your purchase

Keep your bill and this manual together. For service or support, visit navkarsys.com.

NavKar
SYSTEMS

Security and automation, made simple.

navkarsys.com

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