



JINKHOME

USER MANUAL

Door & Window Sensor

MIR-MC500 · Matter over Thread



Clear sensing. Quietly connected.

Read this manual before installation. Keep it for future setup, battery replacement, relocation and troubleshooting.

JINKHOME release · v01 · 12 September 2026

Know the sensor

Two-piece sensing

The main body and magnet work as a pair to report door or window open/closed state to a compatible Matter system.

Main body

Contains the status indicator, reset button, battery and tamper switch.

Magnet

Install beside the main body and align the triangle marks when the door or window is closed.

Matter setup

Prepare your home system

Set up a compatible Matter controller and Thread border router in the platform you plan to use. One hub may provide both roles.

Power on

Slide the rear cover down, open the housing and remove the battery insulation film. Confirm the CR2032 battery is seated with correct polarity.

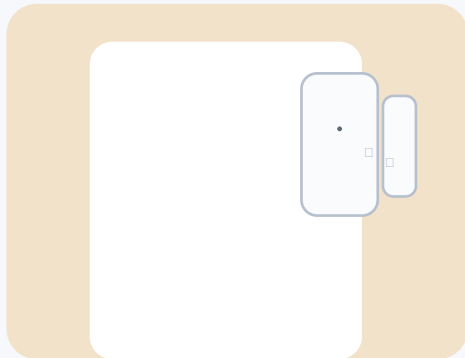
Add the accessory

Open the current add-device flow in your home app and scan the Matter setup QR code printed on the product or packaging.

Enter pairing mode

Press and hold the reset button for 5 seconds, then release. Follow the app instructions to finish setup.

Install on a door or window



ALIGN

Closed-state gap < 10 mm

Main body on frame

Magnet on moving panel

- Indoor installation only. Do not install where rain, condensation or an unstable surface can reach the product.
- Install the main body on the fixed frame and the magnet on the moving door or window panel. The source installation drawing recommends a wooden door/window.
- Clean the mounting surface and allow it to become fully dry. Apply the 3M adhesive to a smooth, clean surface and press firmly.
- Align the two triangle marks. Keep the closed-position gap below 10 mm and confirm the pair does not collide while opening.
- Keep magnets, ferromagnetic metal and other objects that may affect the magnetic contact away from the sensing pair.

Installation uses the closed-state gap (< 10 mm). The listed 23 ± 5 mm value is the triggering distance, not the target closed gap.

Test and everyday use

Verify both states

With the door or window closed, confirm the app shows closed. Open it and confirm the state changes. Reposition the units if either state is unreliable.

Trigger distance

The listed alarm triggering distance is 23 ± 5 mm. The closed-position installation diagram specifies a gap below 10 mm; align the marks and test the actual opening direction.

Tamper awareness

The rear tamper switch is part of the product structure. Its behavior can depend on the connected platform and selected automation.

Safety and care

- Use one 3 V CR2032 battery. Observe polarity; do not recharge, short-circuit, heat, burn or mix old and new batteries.
- Keep the coin cell away from children and pets. Ingestion can cause serious injury; seek urgent medical help if ingestion is suspected.
- Do not paint, cover, drop or dismantle the sensor. Use a soft dry cloth; do not use solvent or aerosol cleaner.
- This product provides an automation input. It is not a certified intrusion alarm or life-safety device unless a separate certification explicitly says so.

Keep the Matter setup QR code private. Anyone with the code and physical access may be able to attempt commissioning.

Troubleshooting

Cannot add to the app

Confirm the Matter controller and Thread border router are online, Bluetooth and local-network access are available for setup, the QR code belongs to this device, and the sensor is near the controller. Hold reset for 5 seconds and try again.

Open/closed state is wrong

Check mark alignment, closed gap, opening direction, adhesive stability and nearby magnetic metal. Reposition and test both states.

Device is offline

Check battery polarity and charge, replace the CR2032 if needed, then verify the Thread border router and controller are powered.

Low-battery alert

Replace with a new CR2032 of the same type. Dispose of the used battery according to local rules.

Technical specifications

Parameter	Specification
Model	MIR-MC500
Wireless technology	Matter over Thread
Working voltage	DC 3 V (CR2032 battery)
Working temperature	-10°C to +55°C
Low-battery warning	Supported
Alarm triggering distance	23 ± 5 mm
Closed-position installation gap	Below 10 mm, according to the supplied installation diagram
Main body	52.06 × 26.06 × 13.8 mm
Magnet	33.06 × 11.06 × 13.7 mm
Mounting	3M adhesive; indoor door/window frame

China RoHS source declaration: LED, PCB, housing and other components are marked O for Pb, Hg, Cd, Cr(VI), PBB and PBDE, meaning the listed substance content is below the GB/T 26572 limit.

Warranty, returns and project delivery follow the applicable sales agreement and store policy. Contact JINKHOME for order-specific support.

Support: matter@jinkhome.com · shop.jinkhome.com