

MultiTransmitter

A module for integration of third-party wired devices into Ajax

Wired alarm renovation

Tens of detectors and kilometers of wire can now effortlessly be transformed into a modern smartphone-controlled security system. Replacing the old security central unit, the module connects wired devices to a hub and makes them a full-fledged part of Ajax. MultiTransmitter is a step towards awareness and reliability. For a security company, it opens the possibility to configure the equipment remotely, and users get all the benefits of managing the system through an app.

More Ajax features

IR barriers, household gas, temperature, liquid level detectors, and much more — with MultiTransmitter, these devices are ready to expand the Ajax areas of use. And wired connectivity and support of international security industry standards ensure full compatibility.

New features of old devices

MultiTransmitter has 18 wired zones, each of which can be configured in the **Ajax app**. The detectors connected to the zones can be active 24/7, operate with entering or exiting delay, activate sirens if necessary, and participate in **automation scenarios**. With MultiTransmitter, the old alarm system becomes part of a secure and smart home.

Data-rich alarms

With MultiTransmitter, you can specify the type of alarm and a room for each wired device. This makes notifications more informative — you know not just what happened but where. This information is displayed using push notification, SMS, and is also sent to the security company's monitoring station under an appropriate code. A total of five types of alarms are available: intrusion, fire, medical assistance, panic button, gas alarm.

Radio communication without reliability compromises

MultiTransmitter communicates with a hub via an encrypted Jeweller radio protocol. This is a TDMA technology developed by Ajax Systems for uninterrupted communication with devices. Jeweller detects jamming attempts, switches to the backup frequency in case of interference, and allows Ajax wireless devices to run on battery power for years.

- Connection to a hub at a distance of up to 2000 meters
- Alarm delivery in 0.15 seconds
- Adjustable ping from 12 seconds

Security without barriers

When using **ReX range extenders**, Ajax security system's radio network can cover up to 35 km². But if some rooms are impermeable for radio waves, connecting wired devices via MultiTransmitter is the best solution. The length of wires can reach 400 meters.

Protected against sabotage

MultiTransmitter will inform you instantly if the connected devices have been interrupted with power failure, disconnection of the signal cable, or tampering. Electricity loss at the site will not be a problem either — the backup battery can provide power to devices for up to 4 days. MultiTransmitter body itself is equipped with two tampers that respond to removal of the integration module from the mount and removal of the lid.

- Instant connection loss detection with wired device (EOL)
- Cavity in the body for a backup battery 7 A·h
- 2 tampers that detect dismounting and opening of the body

Made by professionals for professionals

We made sure that the installation and setup process does not require any extra time or effort. Like other Ajax devices, MultiTransmitter connects to a hub in the app by scanning a QR-code. When connecting wired devices, you don't need to know the resistors' resistance values. The system will also warn you if a device was not connected correctly.

1. Adding to the system by reading a QR-code
2. Wired devices connection
3. Mounting on a wall
4. Configuring via an app

Tech specs

Number of alarm/tamper zones	18
Supported detector contact types	NO, NC (without R), EOL (NC with R), EOL (NO with R)
Resistance of the EOL resistor	1 kΩ to 7.5 kΩ
Alarm signals processing mode	Pulsed or bistable
Main power supply	110–255 V, 50/60 Hz
Backup power	12 V DC
Supported battery type	Battery with 4 or 7 A·h capacity (not included)
Detector power supply	12 V DC, up to 1 A for all detector power supply outputs
Protection against dismantling	Tamper
Radio signal frequency band	868.0–868.6 MHz or 868.7–869.2 MHz, depending on the sales region

Compatibility	Operates with Hub, Hub Plus, Hub 2, Hub 2 Plus and ReX
Maximum radio signal power	Up to 7.29 mW (25 mW limit)
Radio signal range	Up to 2,000 m in the line of sight
Operating temperature range	From -10°C to +40°C
Operating humidity	Up to 75%
Dimensions	196 x 238 x 100 mm
Weight	805 g
Warranty	Replacement and repair for a period of 24 months from the date of sale.
Complete set	MultiTransmitter board Body Installation kit Power cable User Guide