

MultiTransmitter Fibra

Module to integrate third-party wired detectors and devices into an Ajax security system.



The device is compatible only with hubs supporting Fibra protocol. Find the detailed information via QR code or at the link:



https://ajax.systems/support/devices/multitransmitter-fibra/





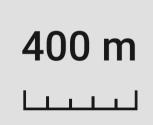




MultiTransmitter Fibra is a wired device of the Fibra product line. Only accredited partners of Ajax Systems can purchase, install and administer Fibra devices.



18 inputs for third-party wired devices



Up to 400 m of cable length between devices and MultiTransmitter Fibra



One of 9 types of events to be chosen for each connected device

The second life of an old wired alarm

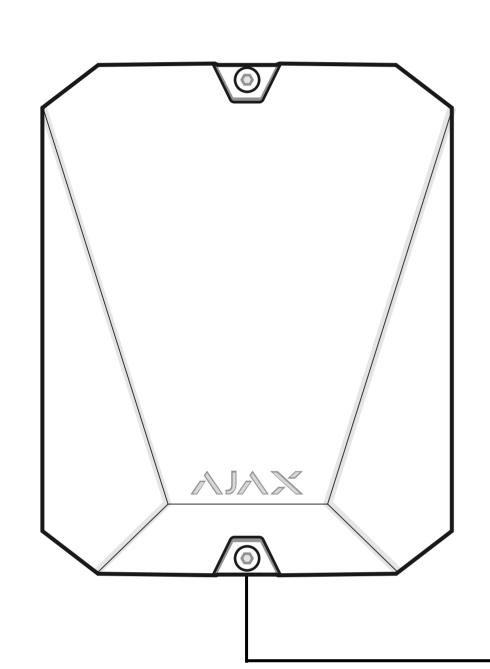
MultiTransmitter Fibra allows building the modern complex security based on existing third-party wired equipment already installed at a facility. With this integration module, the owners of an old alarm system receive the in-app security modes control, informative notifications, and automation scenarios from Ajax. An installer can configure the system or connected devices in the PRO app remotely, even without visiting a facility.

Maximum compatibility

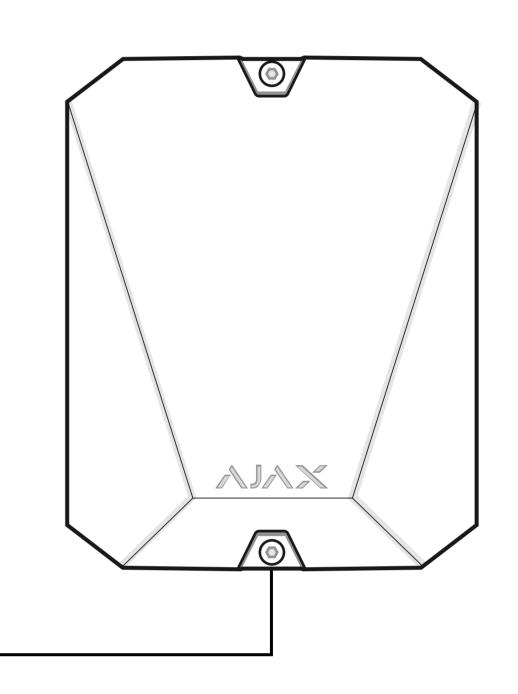
MultiTransmitter Fibra does not limit users in their selection of wired devices to connect. The integration module supports NC, NO, EOL, 2EOL, and 3EOL connection types. EOL resistance is set automatically in the Ajax PRO app.

The device supports EOLs with resistance from $1 \text{ k}\Omega$ to $15 \text{ k}\Omega$ each with total resistance of $30 \text{ k}\Omega$. EOLs with different resistance can be used in one device in order to increase the protection against sabotage. Recommended EOL ratio: R1=R, R2=2·R, R3=3·R.

MultiTransmitter Fibra has four 12 V= power outputs for third-party wired devices: one for a fire detector and three for other devices.







Fibra is the **protocol** ensuring fast and secure two-way communication between hub and MultiTransmitter Fibra. Using a bus connection method, Fibra delivers instant **data-rich alarms**: security companies and users know which device connected to MultiTransmitter Fibra was triggered, when and where it happened.

Fibra features **encryption** and **authentication** to prevent spoofing, and **polling** to display device states in real time. Supporting **up to 2,000 m of wired connectivity**, Fibra is ready to protect any facilities and deliver the best user experience for both system owners and installers.

Technical specifications

Compliance with
standards

EN 50131 (Grade 2) PD 6662:2017

Connected devices

Number of zones

18

One wired device per zone

Connection types

NC, NO, EOL, 2EOL, 3EOL

Communication with control panel

Fibra communication technology

Communication range up to 2,000 m with U/UTP cat.5 cable, 4×2×0,51

Polling interval
12–300 s
Adjusted by PRO or user
with admin rights

Protection against spoofing MultiTransmitter Fibra authentication

Connected devices

FOL resistance from 1 k Ω to 15 k Ω for each resistor, up to 30 k Ω of total resistance Set automatically in PRO apps

Operating modes
pulse, bistable
Set by PRO or user with
admin rights

Types of events
intrusion, fire, medical help,
panic button, gas alarm,
tamper alarm, malfunction,
leakage, custom
Set by PRO or user with
admin rights

Cable length between devices and MultiTransmitter Fibra up to 400 m
When using a signal cable with a 0.22 mm² copperclad aluminium conductor

Power supply for connected devices

4 power outputs: 10.5–15

V==, up to 1 A in total

One power output for a fire detector, and three outputs for other devices

Compatibility

Hub Hybrid (2G)
Hub Hybrid (4G)

Range extenders no

Power supply

Main power supply 100-240 V, 50/60 Hz

Backup power supply

12 V= lead acid battery
with up to 7 A·h capacity
and a full charge cycle of
up to 30 h
Backup battery not
included

Installation	Operating temperature	Casing	Colour
	range		white, black
	from -10°C to +40°C		
			Dimensions
	Operating humidity		196 × 238 × 100 mm
	up to 75%		
			Weight
	Protection class		TBC
	IP40		
			Tamper alarm
			Two tampers to detect the
			lid opening and alert of
			detachment a module from
			the wall
Complete set	MultiTransmitter Fibra		
	Casing		
	Power cable		
	12 V == battery connection		
	cable		
	Installation kit		
	Quick Start Guide		