

## Tech specs

**SUPERIOR**

# Superior MultiTransmitter Fibra

Previously: MultiTransmitter Fibra

Wired module to integrate up to 18 third-party devices into an Ajax system



Device compatibility

Check

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## Communication

## ◆ Fibra communication technology

Proprietary wired communication technology. Fibra combines the reliability of wires with the freedom of radio connection.

Key features:

- Two-way communication.
- Advanced sabotage protection.
- Instant notifications.
- Remote control and configuration via Ajax apps.

[Learn more >](#)

## Line connection

4-core cable

## Fibra line length

up to 2,000 m

When the U/UTP cat.5 twisted pair cable is used.

[Calculate line length at the facility >](#)

## Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

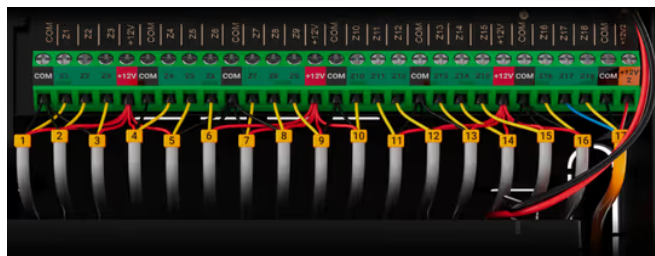
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## Wired devices connection

## Number of zones

18 wired zones

Multiple devices can be connected to one zone. The number of connected devices depends on their power consumption.



## Type of connection

NC, NO, EOL, 2EOL, 3EOL

With EOL resistance from 1 k $\Omega$  to 30 k $\Omega$  with 100  $\Omega$  increment.

## Cable length

up to 400 m

When a copper signal cable with a 0.22 mm<sup>2</sup> cross-sectional area of the conductor is used.

## Operation mode

pulse, bistable

## Event types

15 event types for wired devices are available:

- Tamper alarm
- Intrusion
- Fire
- Auxiliary alarm
- Panic button
- Gas alarm

- Malfunction
- Leakage
- Glass break
- High temperature
- Low temperature
- Masking
- Duress code (opening)
- Vibration (seismic sensor)
- Custom

Adjusted by a PRO or a user with admin rights in an Ajax app.

## Recommendations

The device is powered by 100–240 V~ mains and designed for indoor use only.

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## Sabotage protection

### Tamper alarm

Two tampers detect the opening of the lid and notify of attempts to tear the device from the surface or remove it from the mount.

**Learn more** >

## Protection against forgery

Device authentication

## Communication loss detection

within 36 seconds

Between a hub and Superior MultiTransmitter Fibra.

## Instant detection of wired connection loss, short circuits, and malfunctions

when 2EOL/3EOL connection is used

Depends on the connection type.

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## Power supply

### Main

100–240 V~

### Backup

12 V=, up to 7 Ah capacity with a full charge cycle of up to 30 hours

### Type

type A

Used inside the protected premises.

## Operating AC voltage range

100–240 V~, 50/60 Hz

Main power supply.

### **Operating DC voltage range**

10.5–15 V==

Backup power supply.

### **Quiescent current consumption at nominal voltage**

25 mA\*

### **Maximum current consumption at nominal voltage**

30 mA\*

\* From the backup rechargeable battery after the loss of the main power supply.

### **Backup rechargeable battery capacity**

up to 7 Ah with a full charge cycle of up to 30 hours\*\*

When a 4 Ah rechargeable battery is used, the minimum operating time at a maximum load of 1.7 A is 2 hours. For autonomous operation for 12 or 24 hours, the maximum load should not exceed 0.3 A and 0.15 A, respectively.

When a 7 Ah rechargeable battery is used, the minimum operating time at a maximum load of 1.7 A is 4 hours. For autonomous operation for 12 or 24 hours, the maximum load should not exceed 0.4 A and 0.2 A, respectively.

\*\* It is the maximum time to recharge a 7 Ah battery to 80% of its capacity.

### **Power supply of connected wired devices**

10.5–15 V==, up to 1 A (total maximum current consumption)

Three power supply lines from Superior MultiTransmitter Fibra.

## Power supply of connected fire detectors

10.5–15 V<sub>DC</sub>, up to 0.4 A

One power supply line from Superior MultiTransmitter Fibra.

## Low battery voltage

11.6 V<sub>DC</sub>

## Low battery recovery voltage

12.9 V<sub>DC</sub>

## End-of-life battery voltage

11 V<sub>DC</sub>

## Maximum output peak-to-peak ripple voltage

200 mV<sub>DC</sub>

## Minimum backup rechargeable battery energy level in the charged state

100%

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## Casing

## Dimensions

197 × 240 × 100 mm

## Weight of the device in a black casing

795 g

Excluding the backup rechargeable battery.

## Weight of the device in a white casing

867 g

Excluding the backup rechargeable battery.

## Operating temperature range

from -10°C to +40°C

## Operating humidity

up to 75%

## Protection class

IP30, IK06

The new casing version of Superior MultiTransmitter Fibra has light guides for the integration module LED indication, while the previous version has the LED indicator on the board.



## Colors

Black



White



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## Complete set

Superior MultiTransmitter Fibra

Power cable

Screw terminal block adapter (for INCERT compliance only)

12 V battery connection cable

Casing (depending on the kit)

Installation kit

Quick start guide

# Certification and compliance with standards



Superior MultiTransmitter Fibra



## Additional information

### Compliance with standards

[Learn more >](#)

### User manual

[Learn more >](#)

### Warranty

24 months

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Rating 4.8

4,500,000

people worldwide under Ajax protection

Suggest a feature



## Products

- Intrusion protection
- Video surveillance
- Fire and life safety
- Comfort and automation
- All products
- Services
- System integrations
- Ajax Ready products
- Fibra wired protocol
- Ajax radio protocols

## Solutions

- Customer stories
- Solutions by facility type
- Commercial fire detection and alarm system
- Wireless Grade 3 solution
- Video surveillance solution
- Integration with Yale smart locks
- Upgrades and retrofits
- Why Ajax
- How it works

## Software

- Ajax Security System
- Ajax PRO: Tool for Engineers
- Ajax Desktop
- Ajax PRO Desktop
- Ajax TV
- Ajax Translator PRO
- Ajax Cloud Signaling
- Scenarios



## Support

- Manuals and articles
- Compliance with standards

## Tools

- Ajax device compatibility
- CMS software compatibility
- Ajax Services availability
- Video storage calculator
- Video device calculator
- Battery life calculator
- Radio communication range calculator
- Switches and outlets configurator
- Fibra power supply calculator

All web tools

## Monitoring solutions and integrations

Intrusion alarm monitoring

Video monitoring and visual alarm verification

Audio alarm verification

## Company

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