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AJAX MultiTransmitter Integration Module User Manual

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        Module User Manual
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https://ajax.systems/support/devices/multitransmitter/

Contents

The second life of an old wired alarm

MultiTransmitter opens new markets and allows building modern complex security based on existing wired equipment installed at a facility.

Ajax's security system users get security control via app, data-rich notifications, and scenarios with this integration module and old third-party wired devices.

An installer can set up the system or device in the PRO app, both while on-site and remotely.

Maximum compatibility with the new firmware

MultiTransmitter allows connecting a wide range of wired sensors. The integration module with firmware version 2.13.0 and higher supports NC, NO, EOL, 2EOL, and 3EOL connection types. EOL resistance detects automatically in the Ajax PRO app.

The device supports EOL's with resistance from 1 k to 15 k1 with 100 increment. To increase the protection against sabotage, EOL's with different resistance can be used in one sensor. MultiTransmitter has three independent 12 V power outputs for third-party wired sensors: one for fire sensors and two for the rest devices.

We'll stop shipping old versions of MultiTransmitter in favour of the new one. New devices will have different packaging with 3EOL icons to avoid confusion. Choose and install the equipment that precisely matches the
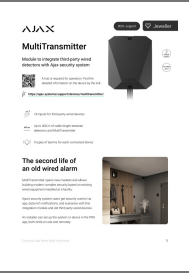
client's needs.

Technical specifications

Connected devices		Communication with control panel	
	Number of zones up to 18 wired devices		⬙ **Jeweller communication technology**
	Connection types NO, NC, EOL With MultiTransmitter firmware version under 2.13.0		**Frequency bands** 866.0 – 866.5 MHz 868.0 – 868.6 MHz 868.7 – 869.2 MHz 905.0 – 926.5 MHz 915.85 – 926.5 MHz 921.0 – 922.0 MHz Depends on the region of sale
	NO, NC, EOL, 2EOL, 3EOL With MultiTransmitter firmware version 2.13.0 and higher		**Maximum effective radiated power (ERP)** ≤ 25 mW Communication range up to 2,000 m in a line of sight
	EOL resistance from 1 kΩ to 7.5 kΩ with 100 Ω increment With MultiTransmitter firmware version under 2.13.0		**Polling interval** 12–300 sec Set by admin in the app

Connected devices	from 1 kΩ to 15 kΩ with 100 Ω increment		
	With MultiTransmitter firmware version 2.13.0 and higher		
	Alarm types pulse, bistable		
	Cable length between detectors and MultiTransmitter up to 400 m		
	Power supply for connected devices Main power output: 10.5–15 V⎓, up to 1 A		
	Fire detectors power output: 10.5–15 V⎓, up to 0.4 A		
Compatibility	**Hubs** All Ajax hubs²	Compliance with standards	EN 50131 (Grade 2) PD 6662:2017
	Range extenders all Ajax radio signal range extenders		
Power supply	**Main power supply** 100–240 V, 50/60 Hz	Installation	**Operating temperature range** from −10°C to +40°C
	Backup power supply 12V⎓ accumulator with up to 7 Ah capacity Backup battery not included		**Operating humidity** up to 75%
			Ingress protection IP50

Casing	**Colour**		**Complete set**	MultiTransmitter
	white, black			Power cable
				12 V⎓ battery connection
	Dimensions			cable
	196 × 238 × 100 mm			Casing
				Installation kit
	Weight			Quick Start Guide
	805 g			
	Tampering alarm			
	Two tampers to detect			
	the lid opening and			
	alert of detachment			
	from a wall			

1 — Available on MultiTransmitter with firmware version 2.13.0 and higher. With firmware version under 2.13.0 available EOL resistance from 1 k to 7.5 k with 100 increment.
2 — 2EOL/3EOL connection support and EOL resistance from 1 k to 15 k are available on MultiTransmitter with firmware version 2.13.0 and higher.

Documents / Resources

	AJAX MultiTransmitter Integration Module [pdf] User Manual MultiTransmitter Integration Module, MultiTransmitter, Integration Module, Module

References

- ⌣ **MultiTransmitter**