

uartBridge

The receiver module for connecting Ajax detectors to wireless security systems and smart home solutions.

- Authentication to prevent forgery
- Jamming detection and communication channels encryption
- Two-way communication

Sends detailed information about connected detectors via UART interface	Supports arming and disarming capability	Allows implementing own solutions for smart home systems
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Principle of operation

When the detector activates, the device sends the information to the central unit, which raises an alarm.

Features

The device is set via UART interface, which provides a wide range of possibilities for those who like to program their own ideas.

Installation and set up

The device is installed into the body of the wired central units and hubs of smart home systems.

Tech specs

Classification	Receiver of wireless detectors' signal
Type of detector	Wireless
Installation method	Indoors
Compatibility	Wired security systems and smart home systems
Maximum number of detectors	85
Supported devices	MotionProtect MotionProtect Plus CombiProtect DoorProtect FireProtect FireProtect Plus LeaksProtect SpaceControl GlassProtect
Alarm signal delivery time	0.15 s

Power supply voltage	5 V DC
Jeweller radio technology	Communication range with detectors — up to 2,000 m in an open space Two-way communication with detectors Operating frequencies — 868.0–868.6 MHz Self-adjusting RF output power — up to 25 mW Block encryption based on AES algorithm Device polling period — 12–300 s
Operating temperature range	-10°C to +40°C
Permissible humidity	Up to 90%
Anti-sabotage	Protection against fraud Jamming detection
Interface	UART
Dimensions	64x55x13 mm
Weight	32 g
Certification	CE
Warranty	Replacement and repair within 24 months of the date of sale.
Complete set	uartBridge