

# 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
---	--	--

## 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	<a href="#">MotionProtect</a> <a href="#">MotionProtect Plus</a> <a href="#">CombiProtect</a> <a href="#">DoorProtect</a> <a href="#">FireProtect</a> <a href="#">FireProtect Plus</a> <a href="#">LeaksProtect</a> <a href="#">SpaceControl</a> <a href="#">GlassProtect</a>
Alarm signal delivery time	0.15 s

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