

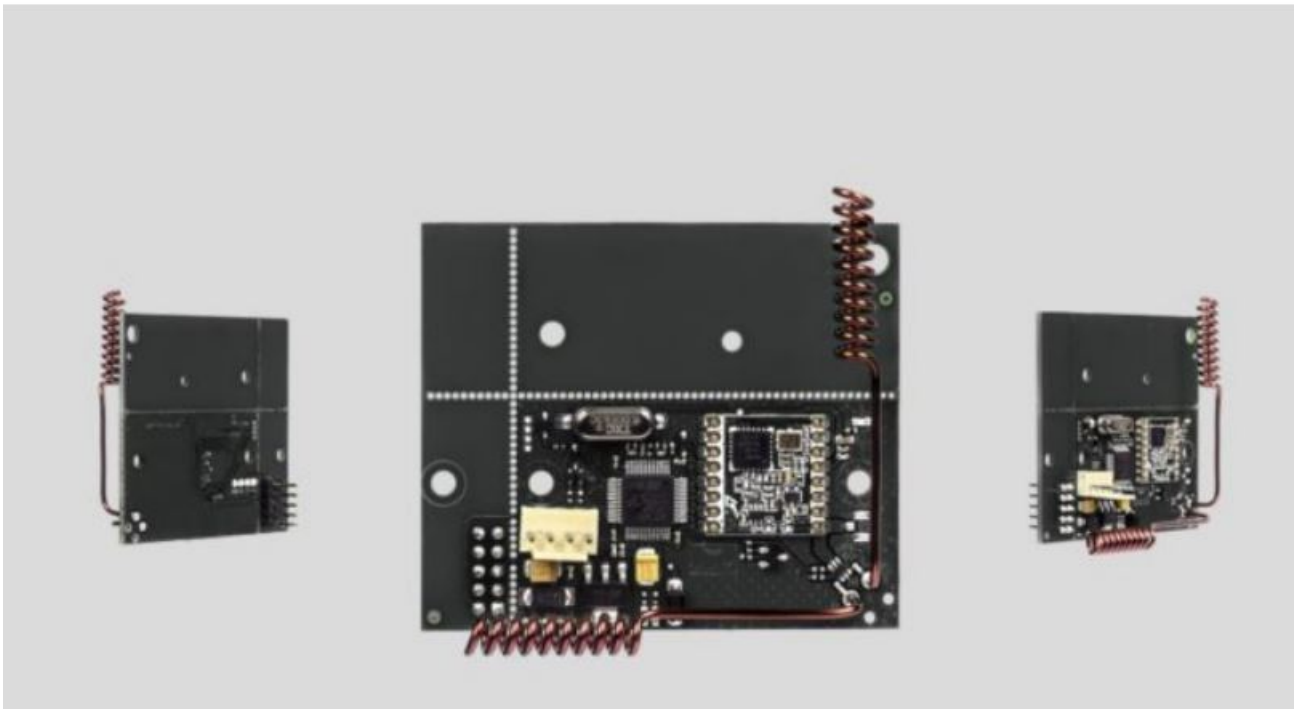
AJAX uartBridge User Manual

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uartBridge user manual

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uartBridge — is the module for integration with third-party wireless security and smart home systems. A wireless network of smart and secure Ajax detectors can be added to a third party security or smart home system through the UART interface.

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Supported sensors:

- [MotionProtect](#) ([MotionProtect Plus](#))
- [DoorProtect](#)
- [SpaceControl](#)
- [GlassProtect](#)
- [CombiProtect](#)
- [FireProtect](#) ([FireProtect Plus](#))
- [LeaksProtect](#)

Integration with third-party detectors is implemented at protocol level.

[uartBridge communication protocol](#)

Tech specs

Communication interface with central unit	UART (speed 57,600 Bd)
Use	Indoor
Radio signal power	25 mW
Communication protocol	Jeweller (868.0–868.6 MHz)
The maximum distance between a wireless detector and uartBridge receiver	Up to 2,000 m (in open area)
Maximum number of connected devices	85
Detection of jamming	Yes
Software update	Yes
Detector performance monitoring	Yes

Power supply voltage	DC 5 V (from the UART interface)
Operating temperature range	From -10°C to +40°C
Operating humidity	Up to 90%
Dimensions	64 x 55 x 13 mm (without antennas) 110 x 58 x 13 mm (with antennas)

Documents / Resources

	AJAX uartBridge [pdf] User Manual uartBridge, uart Bridge
	AJAX uartBridge [pdf] User Manual uartBridge, uart Bridge

References

- 🔗 [Jeweller radio technology | Ajax Systems](#)
- 🔗 [CombiProtect — Motion and glass break detector | Ajax Systems](#)
- 🔗 [DoorProtect — Wireless magnetic opening detector | Ajax Systems](#)
- 🔗 [Ajax FireProtect - Wireless fire detector with siren](#)
- 🔗 [Fire detector with siren and CO sensor - FireProtect Plus](#)
- 🔗 [GlassProtect — Wireless glass break detector | Ajax Systems](#)
- 🔗 [LeaksProtect — Wireless flood detector | Ajax Systems](#)
- 🔗 [MotionProtect — Wireless motion sensor with immunity to animals](#)
- 🔗 [MotionProtect Plus — Motion detector with microwave sensor](#)
- 🔗 [Ajax SpaceControl — security system key fob | Ajax Systems](#)
- 🔗 [uartBridge — Module for Ajax devices integration with third-party wireless alarms systems](#)