Manuals+ — User Manuals Simplified.

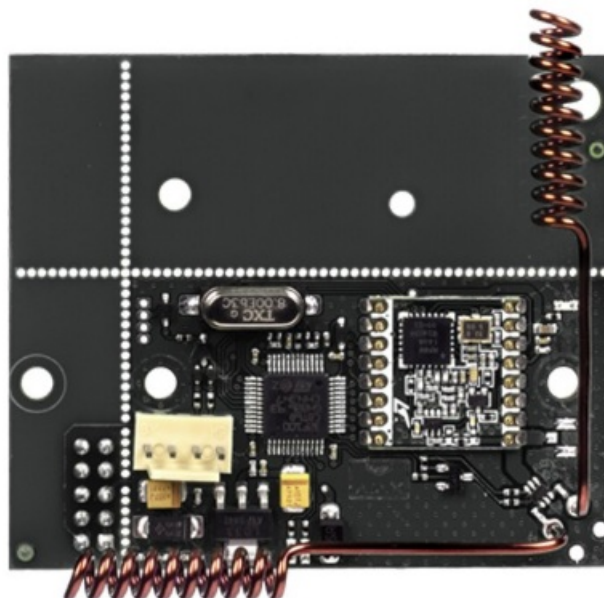# AJAX AX-UARTBRIDGE uartBridge User Manual

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AJAX AX-UARTBRIDGE uartBridge

Product Information uartBridge User Manual

The uartBridge is a module designed for integration with third-party wireless security and smart home systems. It allows a wireless network of smart and secure Ajax detectors to be added to a third-party security or smart home system through the UART interface. Please note that connection to Ajax hubs is not supported. The uartBridge supports the following sensors: MotionProtect (MotionProtect Plus), DoorProtect, SpaceControl, GlassProtect, CombiProtect, FireProtect (FireProtect Plus), and LeaksProtect. Integration with third-party detectors is implemented at the protocol level.

Tech Specs

- **Communication interface with central unit**: UART (speed 57,600 Bd)
- **Radio signal power**: Indoor 25 mW
- **Communication protocol:** Jeweller (868.0-868.6 MHz)
- **Maximum distance between a wireless detector and uartBridge receiver**: Up to 2,000 m (in open area)
- **Maximum number of connected devices**: 110/85
- **Detection of jamming**: Supported
- **Software update**: Supported
- **Detector performance monitoring**: Supported
- **Power supply voltage:** Nominally 5V DC (4.5-5.5V DC)
- **Operating temperature range:** From -10°C to +40°C
- **Operating humidity**: Up to 75%/Up to 90%
- **Dimensions**: 110 x 58 x 13mm (with antennas)/64 x 55 x 13 mm (without antennas)

Product Usage Instructions

In order to use the uartBridge module, follow the steps below:

1. Ensure that the uartBridge is connected to the central unit of your third-party security or smart home system using the UART interface.
2. Ensure that your wireless Ajax detectors are compatible with the uartBridge module. The supported detectors include MotionProtect (MotionProtect Plus), DoorProtect, SpaceControl, GlassProtect, CombiProtect, FireProtect (FireProtect Plus), and LeaksProtect.
3. Ensure that the maximum number of connected devices does not exceed 110.
4. Place your wireless detectors within a maximum distance of 2,000m from the uartBridge receiver in an open area.
5. Ensure that the power supply voltage is nominally 5V DC (4.5-5.5V DC).
6. Operate the uartBridge within an operating temperature range of -10°C to +40°C and up to 75% operating humidity.

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 thirdparty security or smart home system through the UART interface Connection to ajax hub is not supported.

Buy uartBridge

Supported sensors:

- Motion Protect (Motion Protect Plus)

- Door Protect

- Space Control

- Glass Protect

- Combi Protect

- Fire Protect (Fire Protect Plus)

- Leaks Protect

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

Documents / Resources

AJAX AX-UARTBRIDGE uartBridge [pdf] User Manual
AX-UARTBRIDGE uartBridge, AX-UARTBRIDGE, uartBridge

References

- ꔶ **Jeweller radio technology | Ajax Systems**

- ꔶ **Current product lines of the Ajax security system**

- ꔶ **CombiProtect — Motion and glass break detector | Ajax Systems**

- ꔶ **DoorProtect — Wireless magnetic opening detector | Ajax Systems**

- ꔶ **Ajax FireProtect - Wireless fire detector with siren**

- ꔶ **Fire detector with siren and CO sensor - FireProtect Plus**

- ꔶ **GlassProtect — Wireless glass break detector | Ajax Systems**

- ꔶ **LeaksProtect — Wireless flood detector | Ajax Systems**

- ꔶ **MotionProtect — Wireless motion sensor with immunity to animals**

- ꔶ **MotionProtect Plus — Motion detector with microwave sensor**

- ꔶ **Ajax SpaceControl — security system key fob | Ajax Systems**

- ꔶ **uartBridge — Module for Ajax devices integration with third-party wireless alarms systems**