

vhfBridge

Module to connect Ajax security systems to third-party VHF transmitters.

The Ajax hub is required for operation. Find the detailed information on the official website:

 <https://ajax.systems/support/devices/vhfbridge>



Grade 2 EN 50131



Can transmit all types of Ajax events to the VHF transmitters¹



Pairing via QR code.



8 positive/negative trip outputs.



Remote setup and control.



Power supply for VHF transmitters.



Tampering alarm.



Up to 75 hours on backup battery².

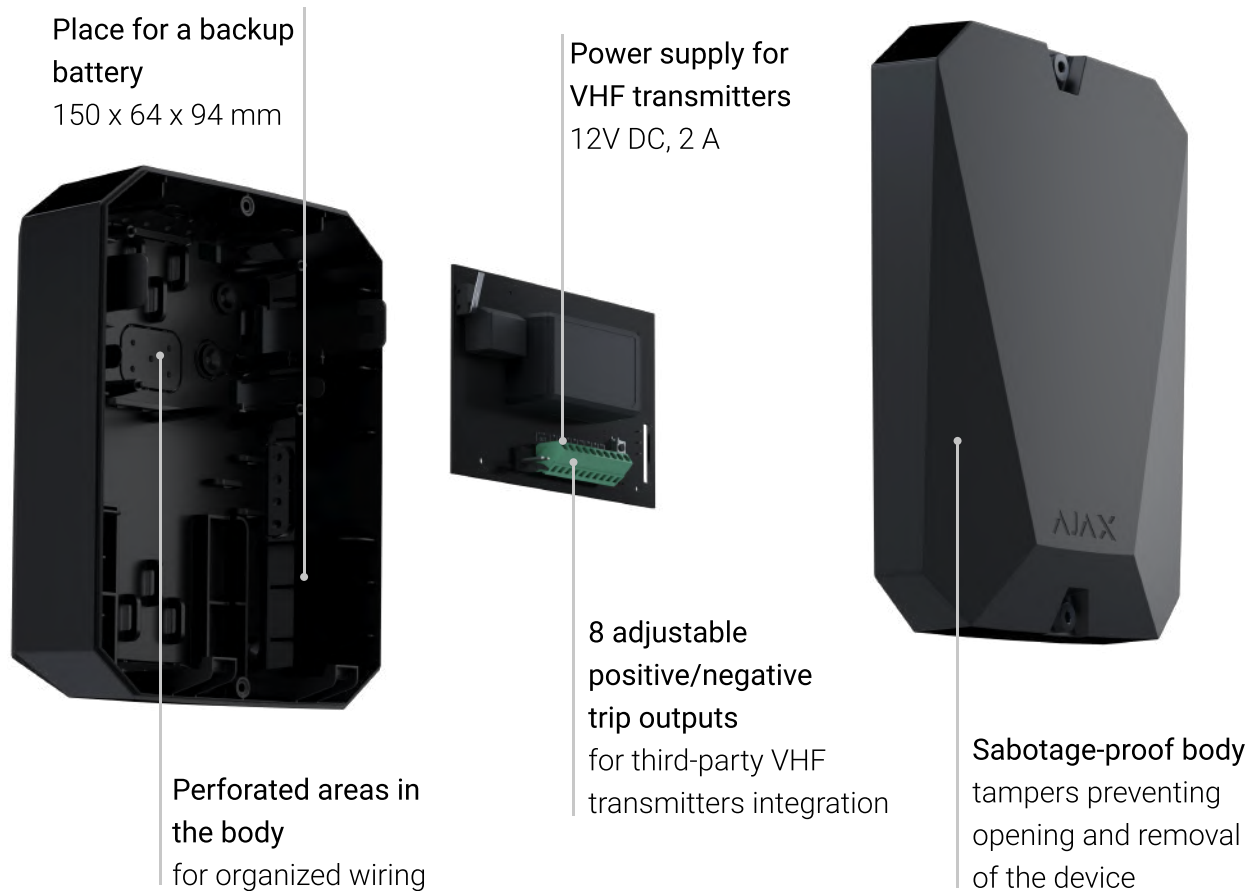


Supplied in two configurations: with or without its body.

¹ – vhfBridge doesn't transmit visual alarms verifications.

² – a backup battery not included.

Reliability and simplicity by design



The device can be supplied in two configurations: with or without its body.

Maximum compatibility

Receive only the events you need in a supported format. vhfBridge connects to any VHF transmitters with relay or positive/negative trip outputs. To provide more flexibility, we have implemented an option for you to configure each device output in a mobile or desktop app.

Use the PRO app to choose which output will communicate with one of 16 types of events, its type (positive/negative trip outputs), and pulse duration. Please, note that vhfBridge doesn't transmit visual alarms verifications.

Tech Specs

General

Colour	white, black	Installation	indoor
Compatibility with control panels	Hub 2, Hub Plus, Hub 2 Plus	Compatibility with range extenders	+
Compliance	EN 50131 (Grade 2)		

Communication

Communication protocol	Jeweller: two-way encrypted communication of events and alarms	Radio communication range	up to 1,800 m
Frequency band	868.0–868.6 MHz 868.7–869.2 MHz 863.0–870.0 MHz (depends on the region of sale)	Maximum effective radiated power (ERP)	≤ 25 mW

Integration with third-party VHF radio transmitters

Number of zones	8	Zone type	positive/negative trips set by users in the Ajax app
Visual alarms verifications support	no		

Power supply

Main power supply	110–240V AC	Backup power supply	12V DC (battery not included)
Power supply output for VHF transmitters	10.5–15.5V DC, up to 2 A	Recommended battery type	12V battery with a capacity of 4 or 7 Ah

Antisabotage protection

Tampering alarm	+	Pings	12–300 sec (set by users in the app)
Frequency hopping	+	Protection against forgery	+

Body and complete set

Operating temperature range	from –10°C to +40°C	Operating humidity	up to 75%
Overall dimensions	196 × 238 × 100 mm (with body) 145 × 89 × 51 mm (without body)	Weight	840 g (with body) 165 g (without body)
Complete set	vhfBridge Power cable 12V battery connection cable Installation kit Body (depending on a set) Quick Start Guide		