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AJAX H2J1 Security Control Panel User Manual

Model name: H2J1xxx(NA/AFA, NA/AUX, NA/VFA),
Ajax Hub 2 (4G) Jeweller (QNA/AUX)
Product name: Security control panel
xxx — digits from 0 to 9 indicate the device modification.

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H2J1 Security Control Panel

ajax.systems/support/devices/hub-2-4g

Quick Start Guide
Before using the device, we strongly recommend reviewing the User Manual on the website.

Model	Channel	Operation frequency	Max RF output power

HUB2 (4G) (9XX/AUX)	WCDMA	B1: TX (Uplink): (1920-1980) MHz RX (Downlink): (2110-2170) MHz B2: TX (Uplink): (1850-1910) MHz RX (Downlink): (1930-1990) MHz B4: TX (Uplink): (1710-1755) MHz RX (Downlink): (2110-2155) MHz B5: TX (Uplink): (824-849) MHz RX (Downlink): (869-894) MHz B8: TX (Uplink): (880-915) MHz RX (Downlink): (925-960) MHz	24 dBm (+1/-3) dB
	LTE-FDD	B1: TX (Uplink): (1920-1980) MHz RX (Downlink): (2110-2170) MHz B2: TX (Uplink): (1850-1910) MHz RX (Downlink): (1930-1990) MHz B3: TX (Uplink): (1710-1785) MHz RX (Downlink): (1805-1880) MHz B4: TX (Uplink): (1710-1755) MHz RX (Downlink): (2110-2155) MHz B5: TX (Uplink): (824-849) MHz RX (Downlink): (869-894) MHz B7: TX (Uplink): (2500-2570) MHz RX (Downlink): (2620-2690) MHz B8: TX (Uplink): (880-915) MHz RX (Downlink): (925-960) MHz B28: TX(Uplink): (703-748) MHz RX (Downlink): (758-803) MHz	23 dBm±2dB
	LTE-TDD	B40: 2300-2400 MHz	23 dBm +- 2 dB
	GSM:	B2: TX (Uplink): (1850-1910) MHz RX (Downlink): (1930-1990) MHz B3: TX (Uplink): (1710-1785) MHz RX (Downlink): (1805-1880) MHz	30 dBm± 2 dB
		B5: TX (Uplink): (824-849) MHz RX (Downlink): (869-894) MHz B8: TX (Uplink): (880-915) MHz RX (Downlink): (925-960) MHz	33 dBm±2 dB
HUB2 (4G) (9XX/AFA)	WCDMA	B2: TX (Uplink): (1850-1910) MHz RX (Downlink): (1930-1990) MHz TX (Uplink): (1710-1755) MHz RX (Downlink): (2110-2155) MHz TX (Uplink): (824-849) MHz RX (Downlink): (869-894) MHz	24 dBm (+1/-3) dB
	LTE-FDD	B2: TX (Uplink): (1850-1910) MHz RX (Downlink): (1930-1990) MHz B4: TX (Uplink): (1710-1755) MHz RX (Downlink): (2110-2155) MHz TX (Uplink): (699-716) MHz RX (Downlink): (729-746) MHz	23 dBm+2 dB

HUB2 (4G) (9 XX/VFA)	LTE-FDD	B4: TX (Uplink): (1710-1755) MHz RX (Downlink): (2110-2155) MHz TX (Uplink): (777-787) MHz RX (Downlink): (746-756) MHz	23 dBm±2 dB

The Hub 2 (4G) Jeweller, an intelligent control panel, is a key element of the Ajax security system. The device monitors the operation of all Ajax detectors and instantly sends an alarm signal to a central monitoring station and users.

Frequency band	905-926.5 MHz FHSS (complies with part 15 of the FCC rules)
RF Power Density — SRD technology: — LTE: — GSM:	0.0003 mW/cm2 (limit 0.60 mW/cm2) 0.05 mW/cm2 (limit 1.0 mW/cm2) 0.1 mW/cm2 (limit 1.0 mW/cm2)
Radio signal range	up to 6,500 ft (in an open space)
Ethernet	10/100 Mbps
Power supply	110-240 V—, 50/60 Hz
Backup battery	li-Ion 3 Ah (up to 22 hours of autonomous operation)
Operating temperature range	from 14°F to 104°F
Operating humidity	up to 75%
Dimensions	6.42 x 6.42 x 1.42 "
Weight	12.78 oz

Complete set: 1. Hub 2 (4G) Jeweller; 2. SmartBracket mounting panel; 3. Power supply cable; 4. Ethernet cable; 5. Installation kit; 6. SIM card (depends on the sales region); 7. Quick Start Guide.

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

FCC Regulatory Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with a minimum distance between 20 cm the radiator and your body: Use only the supplied antenna.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device contains a licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with ISED's RF Exposure guidelines, this equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body: use only the supplied antenna.

Warranty: Warranty for Ajax devices is valid for two years after the purchase date. If the device does not work correctly, you should first contact the support service — in half of the cases, technical issues can be solved remotely.
The full text of the warranty is available on the website: **www.ajax.systems/warranty**.
User Agreement: **www.ajax.systems/end-user-agreement**.
Technical support: **support@ajax.systems**

The manufacturing date is indicated on a sticker at the bottom of the box. The importer's name, location, and contact details are indicated on the package.

Manufacturer: "AS Manufacturing" LLC.
Address: 5 Sklyarenka Str., Kyiv, 04073, Ukraine.
www.ajax.systems

Documents / Resources

AJAX H2J1 Security Control Panel [pdf] User Manual
H2J1 Security Control Panel, H2J1, Security Control Panel, Control Panel

References

- **User Manual**