

AJAX HP2J Security Control Panel



# AJAX HP2J Security Control Panel User Manual

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**AJAX HP2J Security Control Panel**



### Specifications:

- **Model Name:** Hub 2 Plus Jeweller
- **Product Name:** Security Control Panel
- **Radio Signal Range:** Up to 6,500 ft (in an open space)
- **Power Supply:** Backup battery 3.38 Li-Ion Ah (up to hours of autonomous operation)
- **Communication Channels:** GSM: 850/900/1800/1900 MHz
- **Operating Temperature Range:** Not specified
- **Operating Humidity:** Up to 75%
- **Dimensions:** Not specified
- **Weight:** 12.95 oz

### Product Usage Instructions

#### Installation:

Follow the steps below to install the Hub 2 Plus Jeweller:

1. Mount the SmartBracket mounting panel securely on a wall.
2. Connect the power supply cable and Ethernet cable to the control panel.
3. If applicable, insert a SIM card into the designated slot.
4. Refer to the installation kit for further guidance.

#### Powering On:

To power on the device, connect it to a power source using the provided power supply cable. The backup battery ensures autonomous operation in case of power outages.

#### Communication Setup:

Ensure that the device is within range of a GSM network (850/900/1800/1900 MHz) for communication purposes.

**Model name:** HP2Jxxxx(NA/AFA | NA/AUX | NA/VFA), Ajax Hub 2 Plus (9NA/AFA), Ajax Hub 2 Plus (9NA/AUX)

**Product name:** Security control panel xXX – digits from 0 to 9 indicate the device modification.

#### Quick Start Guide

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

[ajax.systems/support/devices/hub-2-plus/](http://ajax.systems/support/devices/hub-2-plus/)

#### FEATURED

Model	Channel Canal Canal	Operation frequency Frequence de fonctionnement Frecuencia de ope raci6n Frequenza operativa Freque ncia de operai;:ao	Max RF output power  Puissance de sortie RF maximale Pot encia de salida maxima de RF Massim a potenza di uscita RF Potencia maxi ma de safda de RF
<b>Hub 2 Plus</b>	WCDMA	BI	24 dBm (+1/-3) dB
<b>(9XX/AUX)</b>		TX (Uplink) (7 920-1980) MHz	
		RX (Downlink) (2110-2170) MHz	
		B2	
		TX (Uplink) (7850-1910) MHz	
		RX (Downlink) (7 930-1990) 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	
	LTE-FDD	BI	<u>23dBm+2dB</u>
		TX (Uplink) (7 920-1980) MHz	
		RX (Downlink) (2710-2170)	
		MHz	
		B2:	
		TX (Uplink): (7 850-1910) MHz	
		RX (Downlink) (1930-1990)	
		MHz	

		B3	
		TX (Uplink) (7710-1785) MHz	
		RX (Downlink) (7 805-1880)	
		MHz	
		B4:	
		TX (Uplink): (7710-1755) MHz	
		RX (Downlink) (2710-2155)	
		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	
I	LTE-TDD	B40: 2300-2400 MHz	<u>23dBm+2dB</u>
	GSM:	B2:	<u>30dBm+2dB</u>
		TX (Uplink) (7850-1970) MHz	
		RX (Downlink) (7 930-1990)	
		MHz	
		B3	
		TX (Uplink): (1710-1785) MHz	
		RX (Downlink) (1805-1880)	
		MHz	
		B5:	<u>33dBm+2dB</u>

		TX (Uplink): (824-849) MHz	
		RX (Downlink) (869-894) MHz	
		B8	
		TX (Uplink) (880-915) MHz	
		RX (Downlink) (925-960) MHz	

<b>Hub 2 Plus (9XX/AFA)</b>	WCDMA	B2 TX (Uplink): (7 850-1910) MHz RX (Downlink) (1930-1990) MHz B4: TX (Uplink) (7 710-1755) MHz RX (Downlink) (2110-2155) MHz B5 TX (Uplink) (824-849) MHz RX (Downlink) (869-894) MHz	24 dBm (+1 /-3) dB
	LTE-FDD	B2 TX (Uplink) (7 850-1910) MHz RX (Downlink) (1930-1990) MHz B4: TX (Uplink) (1710-1755) MHz RX (Downlink) (2110-2155) MHz BI 2: TX (Uplink) (699-716) MHz RX (Downlink) (729-746) MHz	23 <u>dBm</u> ± 2 dB
<b>Hub 2 Plus (9XX/VFA)</b>	LTE-FDD	B4 TX (Uplink) (1710-1755) MHz RX (Downlink) (2110-2155) MHz B13: TX (Uplink) (777-787) MHz RX (Downlink): (746-756) MHz	23 <u>dBm</u> ± 2 dB
	Wi-Fi	(2400-2483 5) MHz	18.0 dBm@ 1 DSSS 14.5 dBm@ 54 OFDM

**Hub 2 Plus Jeweller** is an intelligent control panel for the Ajax security system with advanced communications capabilities and visual alarm verification support.

## SPECIFICATION

Frequency range	905-926.5 MHz FHSS (complies with part 15 of the FCC rules)
RF Power Density: SRO technology: Wi-Fi: LTE: GSM:	0.0003 mW/cm <sup>2</sup> (limit 0.60 mW/cm <sup>2</sup> ) 0.1 mW/cm <sup>2</sup> (limit 1.0 mW/cm <sup>2</sup> ) 0.05 mW/cm <sup>2</sup> (limit 1.0 mW/cm <sup>2</sup> ) 0.1 mW/cm <sup>2</sup> (limit 1.0 mW/cm <sup>2</sup> )
Radio signal range	up to 6,500 ft (in an open space)
Power supply	110-240 V~, 50/60Hz, 0.1 A
Backup battery	li-Ion 3 Ah (up to 38 hours of autonomous operation)
Communication channels	2 SIM cards (GSM 850/1900 MHz GPRS), Ethernet, Wi-Fi
Operating temperature range	from 14°F to 104°F
Operating humidity	up to 75%
Dimensions	6.42 X 6.42 X 1.42 "
Weight	12.95 oz

## Complete Set

1. Hub 2 Plus Jeweller;
2. SmartBracket mounting panel;
3. Power supply cable;
4. Ethernet cable;
5. Installation kit;
6. SIM card (available in some countries);
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](http://www.ajax.systems/warranty).

User Agreement: [www.ajax.systems/end-user-agreement](http://www.ajax.systems/end-user-agreement).

Technical support: [support@ajax.systems](mailto: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](http://www.ajax.systems)

## Frequently Asked Questions (FAQ)

What is the range of the radio signal for the Hub 2 Plus Jeweller?

The radio signal range of the device is up to 6,500 ft in an open space.

How long does the backup battery last for autonomous operation?

The backup battery is a 3.38 Li-Ion Ah and can provide hours of autonomous operation.

What communication channels does the device support?

The device supports GSM communication channels at 850/900/1800/1900 MHz.

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## Documents / Resources

	<a href="#">AJAX HP2J Security Control Panel</a> [pdf] User Manual HP2J Security Control Panel, HP2J, Security Control Panel, Control Panel
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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