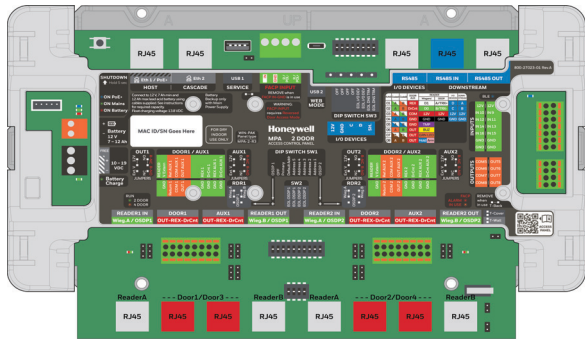


MPA Series Access Control Panel

Quick Startup Guide

Access Control System MPA 2 Door and 4 Door

MPA2C3 MPA2MPSU MPA2MPSE
MPA2C3-4 MPA4MPSU MPA4MPSE



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12/2022

This guide describes the basic setup, wiring, and configuration steps for getting started with a MPA access control panel.

Setup Process

- Step 1. [Download the Device Utility App](#)
- Step 2. [Preparing to Start up](#)
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- Step 5d. [Connecting to WIN-PAK](#)

Digital Manuals and manuals in other languages

Honeywell provides this manual in English and other languages on the following link:

[Get Online Documents Here](#)

The same links can be found on the product by scanning this QR code.



Note: UL certificate does not contain model MPA2MPSE/MPA4MPSE.

Download the Device Utility App

Note: Mobile device must have iOS 13 or Android 6 or higher.

Download the application from the App Store, or Play Store. Scan this QR code for the application in the App Store.

[Get Device Utility App Here](#)

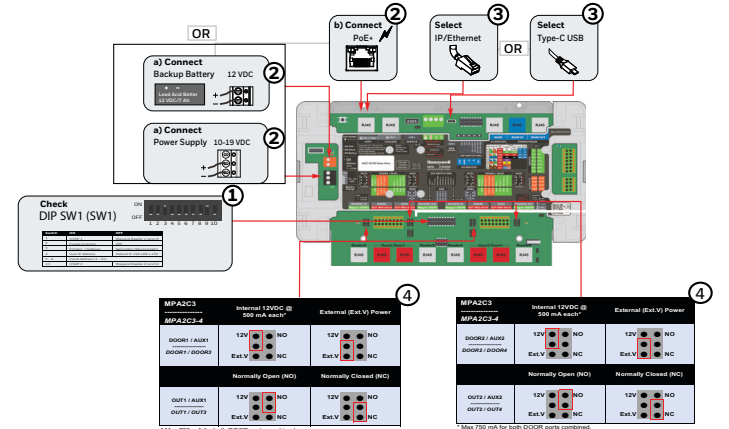


Scan this QR code for the application in the Play Store.

[Get Device Utility App Here](#)



Preparing to Start up

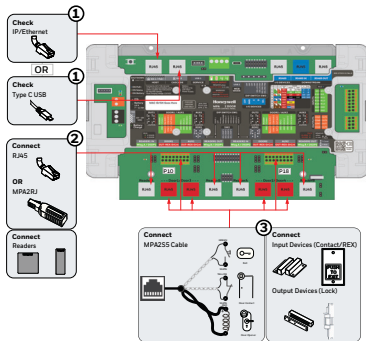


1. Check DIP Switches SW1 default status. (Set Bit 3 and Bit 9 to 'ON'). For Default IP, set Bit 4 to ON. (see step 5)
2. a. Check/Connect the power 10 -19 VDC and battery 12 VDC, 7Ah-12 Ah, OR
b. Connect the power POE+.

Note: Do not connect a backup battery when using PoE+.

3. Select/Check the host connection IP(Ethernet) Or USB.
4. Check the output jumper configuration.(12 VDC/Ext .V; NO/ NC) .

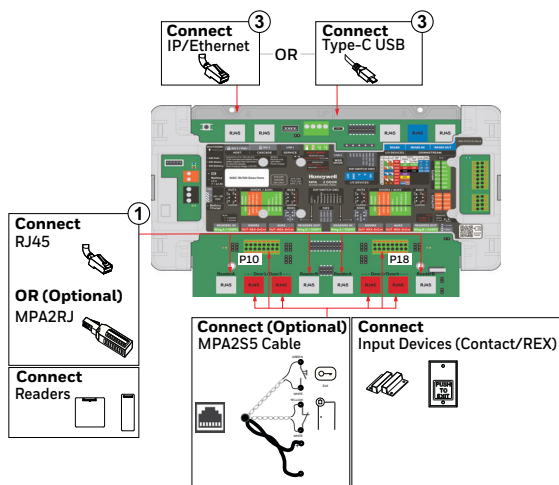
Connecting Devices



1. Check host Ethernet (RJ45) or Type-C USB connection.
2. Check/Connect the reader connections (OSDP/Wiegand) by RJ45, or MPA2RJ (RJ45 to 8 terminal block converter).
3. Check/Connect the MPA2S5 cable to input/output devices (door status/door contact connection)(Push-in Terminal block or RJ45).

Readers	Conductors	Gauge	Distance
Wiegand	6-8	18 AWG Shield 20 AWG Shield CAT6 CAT6a CAT7	350 ft. (90m) 190 ft.(55m) <120 ft.(35)
OSDP	4	24 AWG CAT6 CAT6a CAT7	Single reader 75 ft. (20 m)
Inputs	Twisted pair	18 AWG Shield 30Ohm	2000ft.(610m)
Output	Twisted Pair	18 AWG Shielded	2000ft.(610m)

Powering up



1. Power up the panel (10-19 VDC PSU, or PoE+)
2. a. Check Mains LED for PSU (Green ON), or
b. Check PoE+ LED for PoE+ (Blue ON).

Note: Battery LED (Red ON) indicates the panel is powered by battery.

3. Check Running LED

- Blinking green for 2-door panel.
- Blinking orange for 4-door licensed panel.

4. Test credentials and readers (OSDP / Wiegand).

Power Requirements

MPA2 Reader Door Configuration		
	Specification	MPA2C3 or MPA2C3-4
Outputs	Number of outputs	4 SPST Door relays (Jumper-Selectable NO or NC Contacts) per door rated 3A @30VDC; 4 SPST Aux relays NO Contacts rated 3A @30VDC (NC selectable in software)
	Door Relay Power Source	Selectable:12 VDC(max 750mA per 2 door outputs) internal power source, or external power source, max 3A @30VDC per output
Inputs	Number of Inputs	8(+4) Configurable four-state supervised Input points (factory Default Settings are: Status, REX, Reader Tamper A, Reader Tamper B, Power Fail, General Inputs)
	Panel Tamper (4X)	Panel Door, Off-Wall, internal back tamper and External Tamper
Metal cabinet Mains power input	Mains Inputs	100 to 240 VAC, 1.1A, 50/60Hz
	Socket or Hardware AC Inputs (IEC/UL)	MPA2MPSU or MPA4MPSU only
Power Inputs	Control Board Power Inputs	13.8VDC ~3.3A from Included Power Supply Note: It is forbidden changing the PSU by user

Power Output (internal panel power)	Power for locks/Strikes/ Reader(s)/ Inputs Devices	750mA per 2 doors for locks/strikes, 500mA per 2 reader ports 3A @ 12VDC total available power for all devices(internal PSU).
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Hard Default Procedure

To hard default the MPA2 series panels to factory default:

Note:

1. Note down the existing settings on DIP Switch SW1.
2. When the panel is powered up, turn all DIP switches to the OFF position.
3. Power down, then power the panel back up.
4. Wait for the panel to completely restart. The RUN LED should blink fast.
5. Set the DIP switches (SW1) back to their original positions.
6. Power down, then power the panel back up.
7. The RUN LED should blink at a normal pace.

The panel is now reset to the original factory default values.

Note: When using the DIP switches to reset a panel to the original factory default values, the Event History is lost, and any customized databases are removed; the panel is reset with the original factory default database. This does not affect the Ethernet IP address.

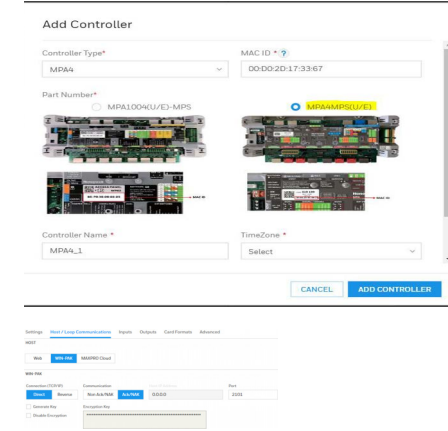
Connecting to MAXPRO Cloud

The MPA2C3, or MPA2C3-4 panel is configured Plug & Play out of the box for MAXPRO Cloud connectivity (DHCP Server Required).

Configuration is not required in local web mode all settings are configured within the MAXPRO Cloud web user interface

To use this panel on cloud requires a MAXPRO Cloud account.

- 1. Login to your MAXPRO Cloud account at: mymaxprocloud.com
- 2. Create and / or navigate to the Customer Account
- 3. Create and / or navigate to a Site
- 4. Click on ADD CONTROLLER button
- 5. Choose “MPA2”, OR “MPA4”, select “MPA2MPS(U/E)” OR “MPA4MPS(U/E)”
- 6. Type in the panel’s MAC ID, click ADD CONTROLLER



Setup Computer for Web Mode Connection

Use the Device Utility App to set up the panel for Web mode operation

Note: These steps are for computers with windows 10 operating system, or higher. The steps for other operating system might be slightly different.

Note: When connecting to USB, USB driver is required. Navigate to the Technical Support Self- Service/Download Center. <https://myhoneywellbuildingsuniversity.com/training/support/>

- 1. Click Start > Control Panel.
- 2. Click Network and Sharing center.
- 3. Click change adapter settings.
- 4. Identify your local Ethernet connection(Local Area Connections) and double-click on the link.
- 5. Click Properties.
- 6. Highlight the Internet Protocol (TCP/IPv4).
- 7. Click properties. View your system current IP address.
- 8. Use the following IP address.
 - Enter: 192.168.1.10* in the IP address field when connecting to Eth1/PoE+ - HOST .
 - Enter: 192.168.2.10* in the IP address field when connecting to USB 2 - WEB MODE.
- 9. Enter: 255.255.255.0 In the Subnet Mask field.
- 10. Click OK; OK;Close.

Note: *IP address 192.168.1.10 only valid if default panel address is in use.

Connecting to the Panel in Web Mode

- 1. Launch the Google Chrome™ Browser.
 - 2. Enter the panel’s IP address in the address box.
- Connection Type:
- Eth 1 / PoE+- HOST: Default IP DIP Switch SW1, Bit 4 (ON) <https://192.168.1.150>
 - USB 2 - WEB MODE (Fixed): <https://192.168.2.150>
- 3. Default Login.
 - Username: admin
 - Password: admin
 - 4. Navigate to “Host” and select WEB.
 - 5. To set the IP, navigate to Settings tab and configure a static IP Address, Subnet Mask and Default Gateway.

Connecting to WIN-PAK

Use the Device Utility App to set up the panel for WIN-PAK operation.

In WIN-PAK.

- 1. Add panel as MPA-2-R3 or MPA-4-R3 in Device Map.

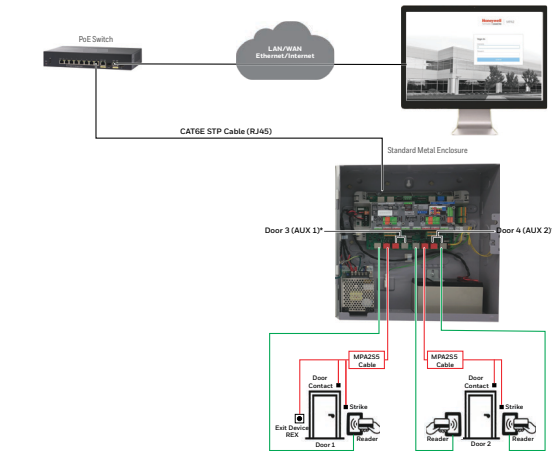
In the MPA2C3 / MPA2C3-4 Panel.

- 2. For easy connection, Use DIP Switch SW1, Bit 4 (ON) for default IP address.
- 3. Log into Panel's Web interface.
- 4. Click Main Menu Icon.
- 5. Select Panel Configuration and Host / Loop Communications.

MPA2C3- Two Door OSDP Configuration

Configuration	Types	Reader	Reader/IU (Connector)	OSDP Reader Address	Wiegand
Door 1	1 Direction	Reader A	Reader 1 IN	1	No Hold line required, but can be connected
	2 Direction	Reader B	Reader 1 OUT	2	
Door 2	1 Direction	Reader A	Reader 2 IN	1	
	2 Direction	Reader B	Reader 2 OUT	2	

Note: For OSDP reader addressing, the addressing tool in the panel can be used. Connect the readers one by one and assign the address to the reader.



MPA2C3-4 Four Door Configuration

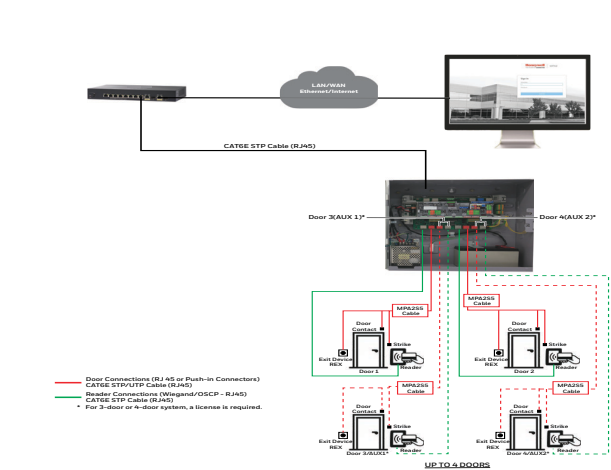
Configuration	Types	Reader	Reader/IU (Connector)	OSDP Reader Address	Wiegand
Door 1	1 Direction	Reader A	Reader 1	1	Only READER IN for READER1, READER2, READER3 and READER4. NO Hold line required, but can be connected
	2 Direction	Reader B		2	
Door 2	1 Direction	Reader A	Reader 2	1	
	2 Direction	Reader B		2	
Door 3	1 Direction	Reader A	Reader 3	3	
	2 Direction	Reader B		4	
Door 4	1 Direction	Reader A	Reader 4	3	
	2 Direction	Reader B		4	

Required OSDP Reader settings:

- AES Encryption: ON (OSDP V2)
- Encryption keys: Default
- Address: 1, 2, 3 or 4
- Baud rate: 9600

Note: For OSDP reader addressing, the addressing tool in the panel can be used. Connect the readers one by one and assign the address to the reader

MPA2C3-4 Four Door Configuration



Technical Support

Hours of Operation | Monday through Friday, 9:00 am – 7:00 pm EST

USA +1 800 323 4576 # Option 2
Technical Support, Option 2 (Access Control)

EMEA
Hours of Operation | Monday through Friday, 9:00 AM – 6:00 PM CET

- 6. If not configured, select WIN-PAK and IP properties and Click Save.
- 7. Follow the TLS Encryption procedure from WIN-PAK manual.
- 8. Upload the TLS encryption file to the panel.
- 9. Switch DIP Switch SW1, Bit4 to OFF position.

Honeywell OmniSmart OSDP Configuration

Set the following in the reader tool.

- 1. Create a template selecting reader type as: HID Reader.
- 2. Profile: Standard profile
- 3. In credentials: Enable all credential type
- 4. Keys: No need to select anything.
- 5. Configure Reader settings:
 - ISO144443A UID OUTPUT Format: Default settings
 - BLE Settings: Default settings
 - Communication protocol:
 - Enable OSDP
 - Spec Compliance V1
 - Address 1, 2, 3, or 4
 - Baud rate: 9600

Add the above to template (using the menu)

- Keypad Settings: Input Format: BCD -4 BIT, facility Code:0, Backlight LED Color: RED (default)

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	FRANCE hsgfrtechsupport@honeywell.com
	THE NETHERLANDS hsgnltechsupport@honeywell.com

Web Support

Technical Assistance & Schedule Support: <https://buildings.honeywell.com>

Mywebtech Customer Support:

<https://myhoneywellbuildingsuniversity.com/training/support>

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