

DESIGN ENVELOPE PUMP CONNECTIVITY KIT INTEGRATION PROCEDURE FOR PUMP MANAGER SERVICES | GUIDE

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HOW TO CONNECT A DESIGN ENVELOPE PUMP TO CONNECTIVITY KIT PROCEDURE

Connectivity kit integration procedure

This procedure describes steps on how to connect an Armstrong Design Envelope Pump. Each sales order containing Design Envelope pump will ship with a factory programmed router to enable cloud services. Only 8 pumps can be connected using a Connectivity Kit. If you require an additional Connectivity Kit, please contact 1-844-238-2377.

Pre-installation arrangement

You will need:

A Design Envelope pump ready for Start-up or commissioning. The controller firmware version should be at least 1.17. If the controller firmware is below 1.05 a security certificate will be required. To request certificates, email the serial number of the Design Envelope Pump Controller at: Armstrongcloud@armstrongfluidtechnology.com or 1-844-238-2377.

Connectivity kit

The Connectivity kit will include a router, power supply, 3 antennas, mounting brackets and an ethernet cable.

STEP 1 CONFIRM ROUTER SIGNAL

Attach all three antennas to the router, plug and test the cellular signal strength, three bars are recommended on the router.



STEP 2 SECURE ROUTER

Secure router in a permanent location. It may be wall-mounted, or shelf mounted using the mounting brackets provided. The router must be placed within 100ft or 30 metres from the pump unobstructed.

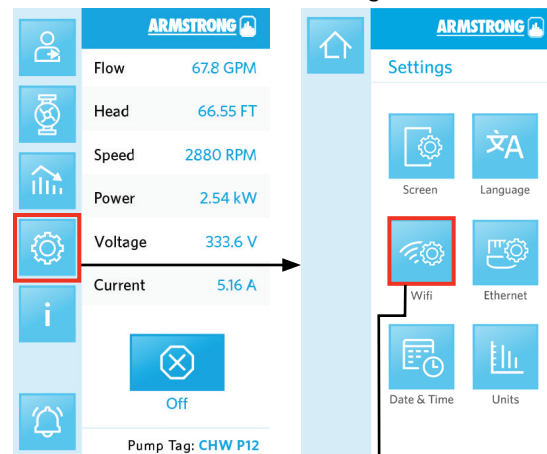
Confirm the controller Firmware version on the **System** Tab under the **Version** Icon. For Pump Manager Integration, Firmware must be Revision 1.17 or later.

| Version | |
|--------------------|---------------|
| Host Name | DE-001 |
| Firmware Version : | 1.05 |
| Hardware Version : | 13363 |
| Pump Serial # : | 00.00 |
| DEPC Serial # : | 537009842 |
| Foot Package: | Not Installed |
| ICD Package: | Not Installed |

STEP 3 CONFIGURE DEPC WI-FI TO CONNECT TO ROUTER

On the Design Envelope pump controller screen, login with the Level 1 password.

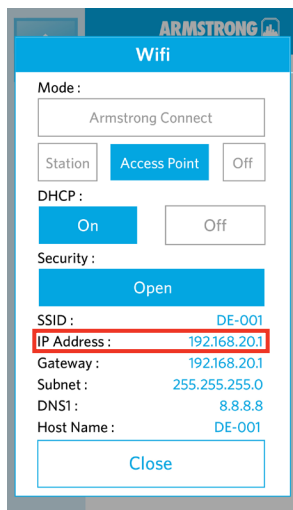
Click on settings, Wi-Fi and set the Wi-Fi mode to Armstrong Connect. Click on update on the bottom right corner of the screen. Press the home button to go back to the main screen.



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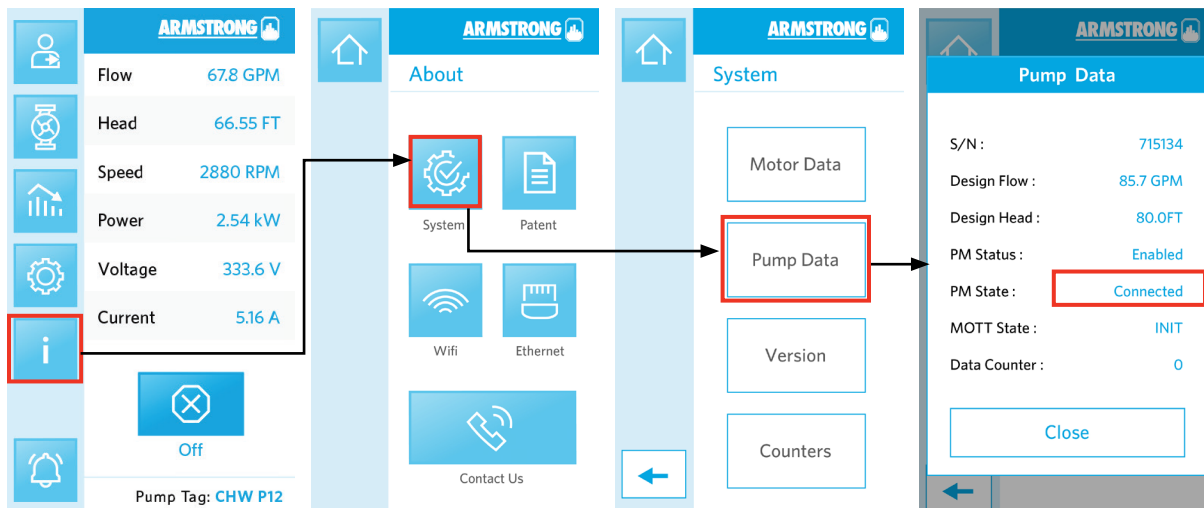
Verify an IP address has been assigned to the Design Envelope Pump Controller screen. Click on the Info Icon, press Wi-Fi and confirm an IP address has been populated on the screen. This may take up to 5 minutes after setting the Wi-Fi mode to Armstrong Connect. If the IP address has not been populated, refresh the screen by going to the home screen and following this step again.

Click on the **info** icon, and press **wi-fi**.



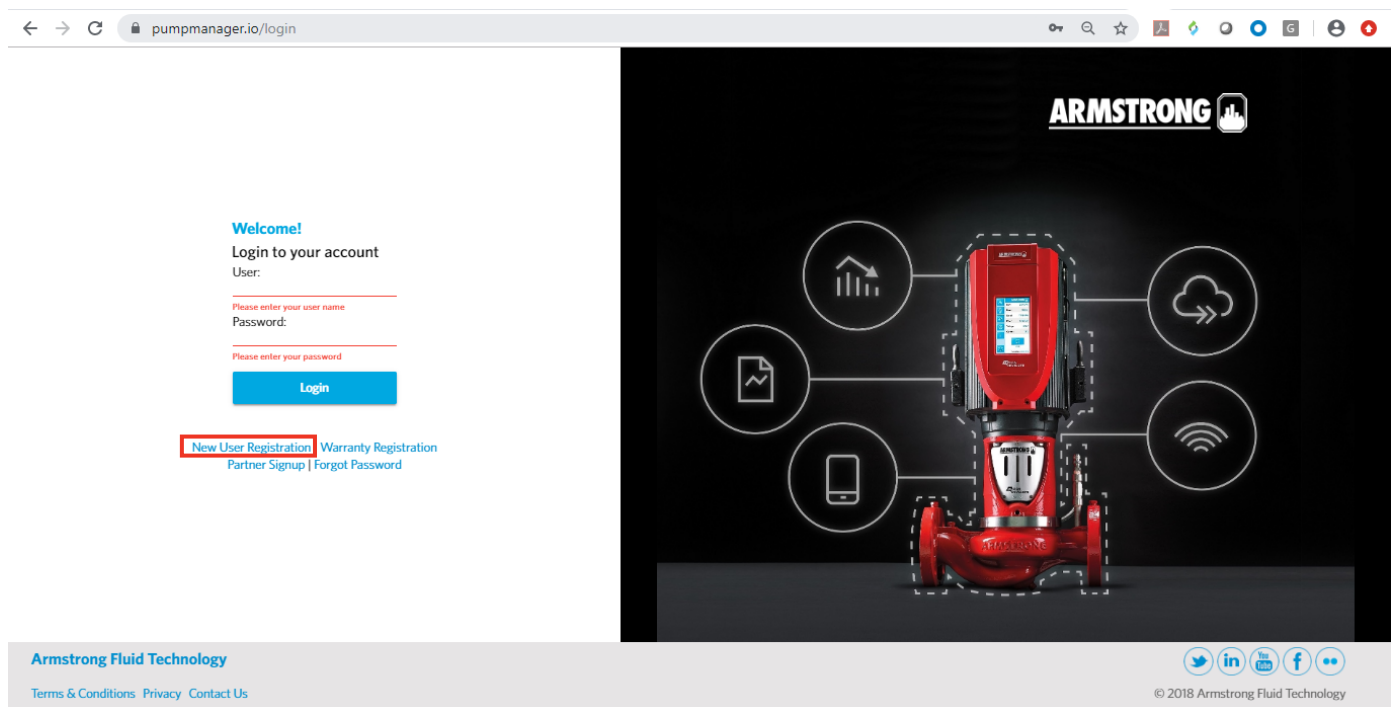
STEP 4. CONFIRM THAT DATA IS BEING TRANSMITTED

To check the data is being transmitted from the pump, click on info, system, pump data. **PM state** should show **connected**. This process may take up to 10 minutes after the IP address has been populated.



STEP 5. REGISTER PUMP

To complete the process, register the pump by filling the new user registration form on pumpmanager.io and follow the steps on the screen.



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