2023

Prowave

Dry Pump Customer Version Operation Manual

Manual Rev.:	1.0
Revision Date:	April 13, 2023
Part Number:	50M-00131-1000

[DRY PUMP CUSTOMER VERSION OPERATION MANUAL]

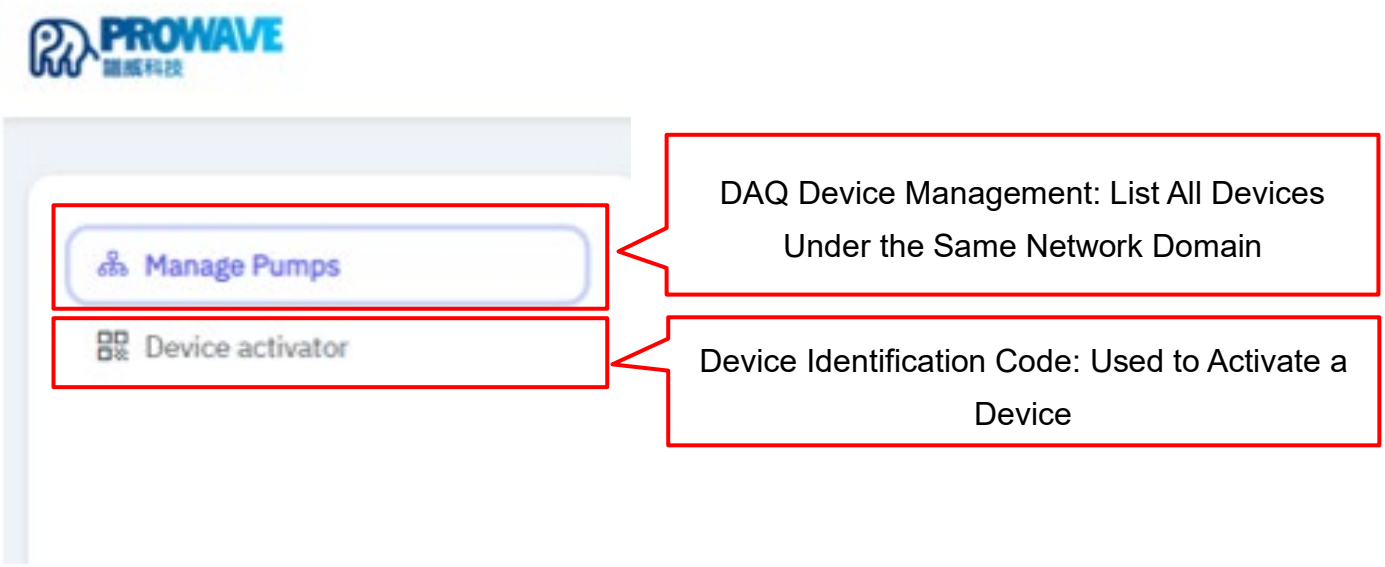
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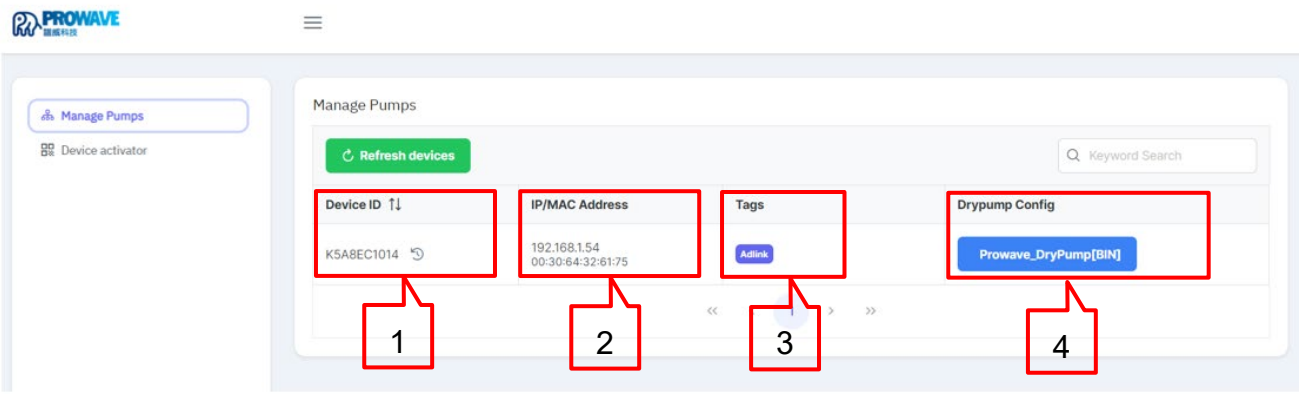
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1 Dry Pump Page Function Description



1.1 Manage Pumps

The **Manage Pumps** page lists important device information.

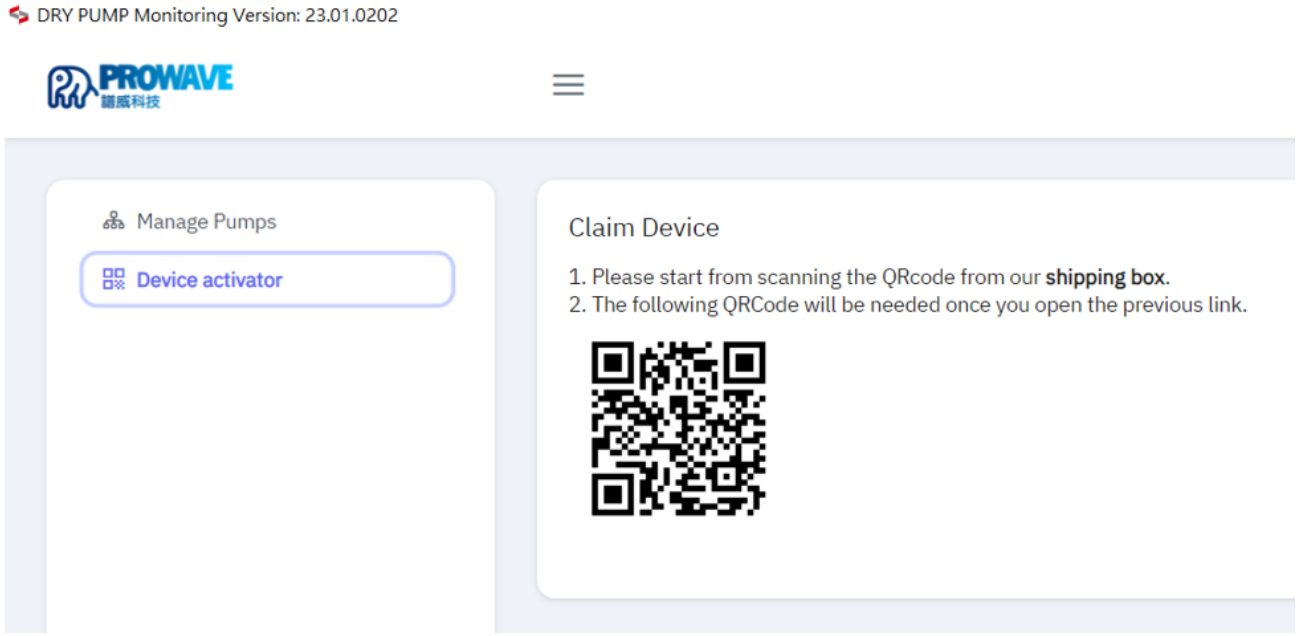


1 Device ID
2 Device MAC Address
3 Sets the name of the field device. E.g., ADLINK
4 Dry Pump Configuration Parameter Setting

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1.2 Device Activation

Follow the directions on the **Device activator** page to activate your device.

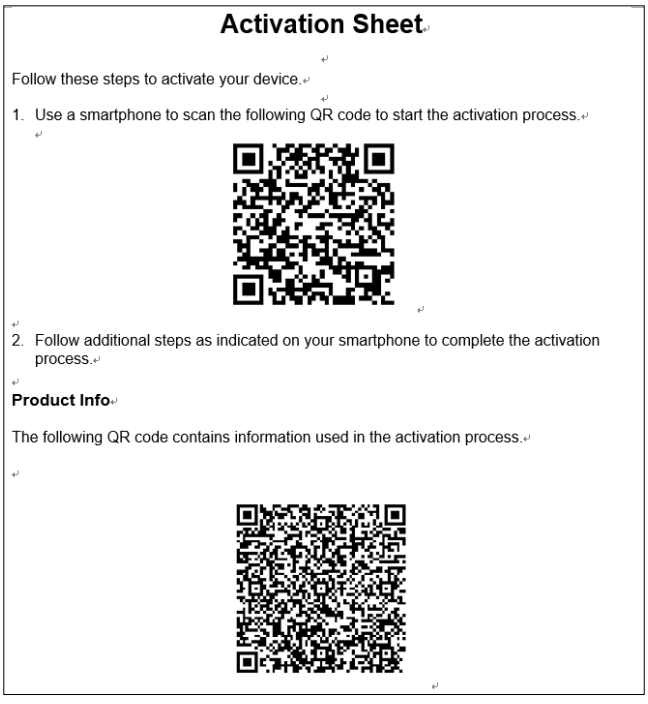


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2 Device Deployment

Use the **Activation Sheet** that comes with your SDAQ-204 when you want to deploy it.





Activation Sheet

Follow these steps to activate your device.

1. Use a smartphone to scan the following QR code to start the activation process.

2. Follow additional steps as indicated on your smartphone to complete the activation process.

Product Info

The following QR code contains information used in the activation process.

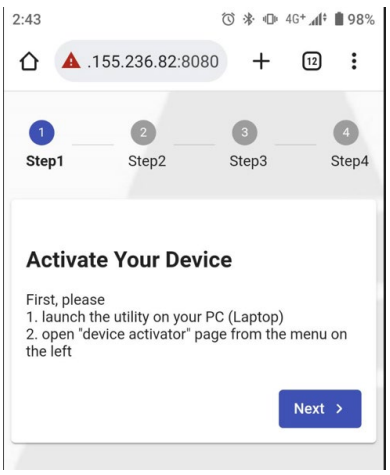
Step 1: The SDAQ-204 must be connected to an external network. Using a smartphone, scan the QR Code on the Activation Sheet and follow the instructions.



Activation Sheet

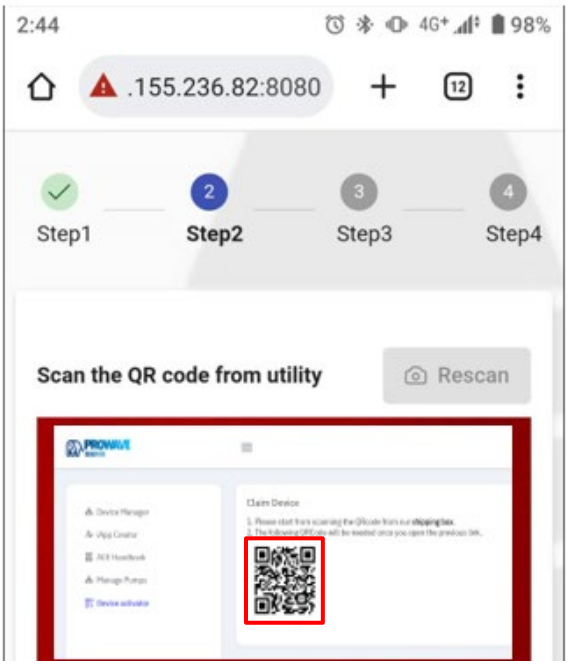
Follow these steps to activate your device.

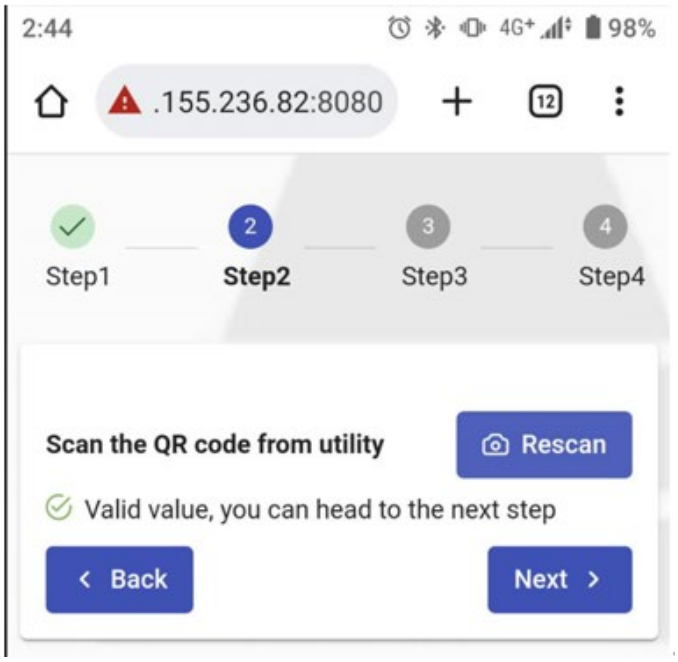
1. Use a smartphone to scan the following QR code to start the activation process.



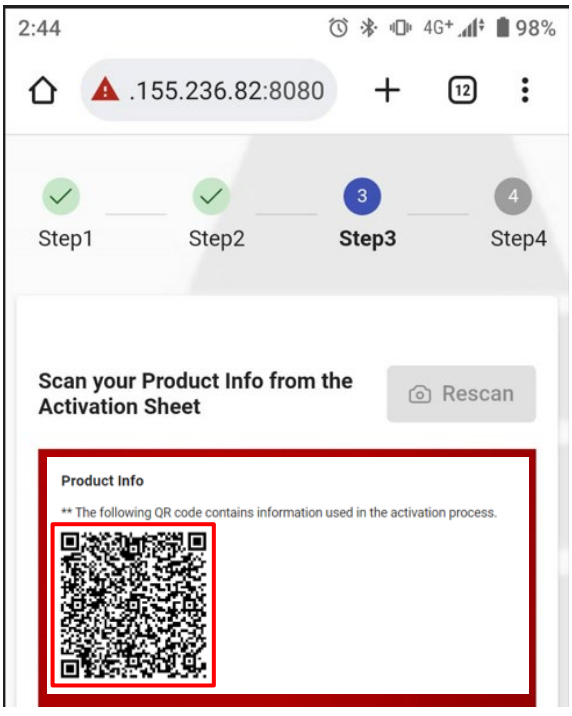
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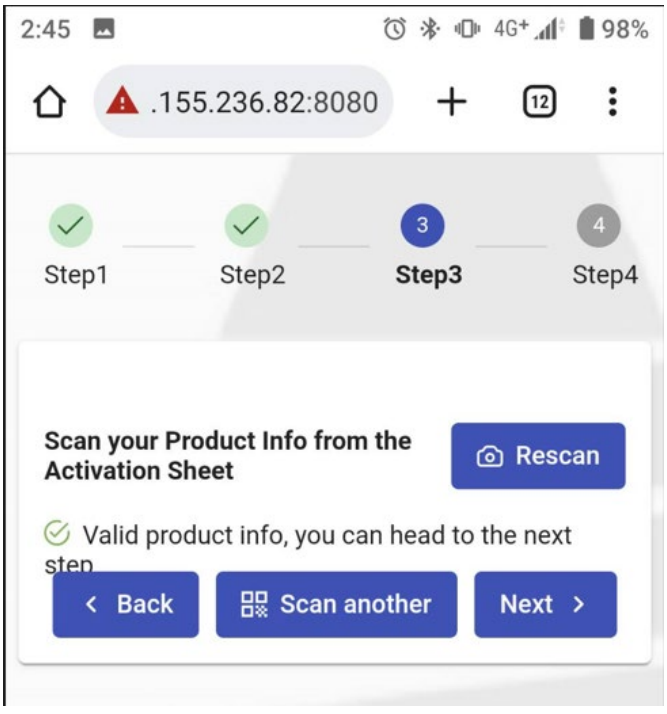
Step 2: Open ADLINK ACE.exe, then click the **Device Activator** menu, and scan the QR code.





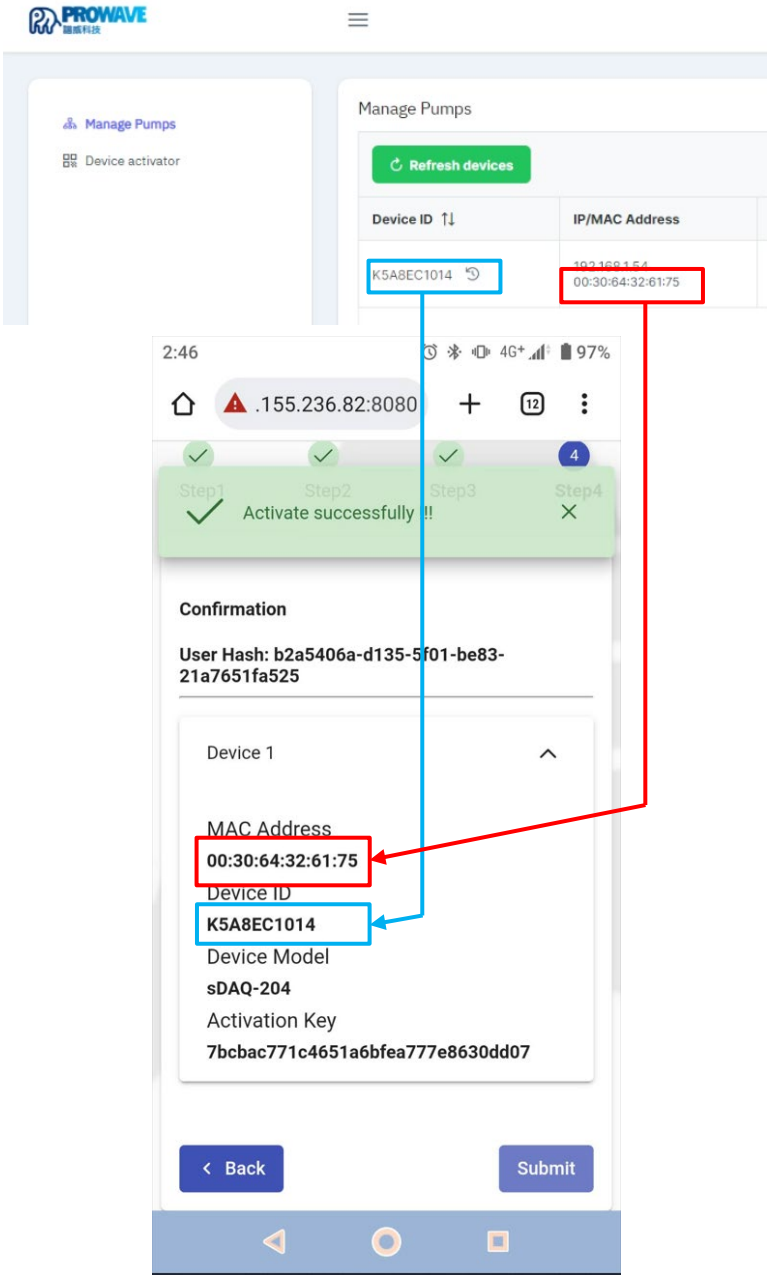
Step 3: Scan the **Product Info** QR Code on the Activation Sheet.





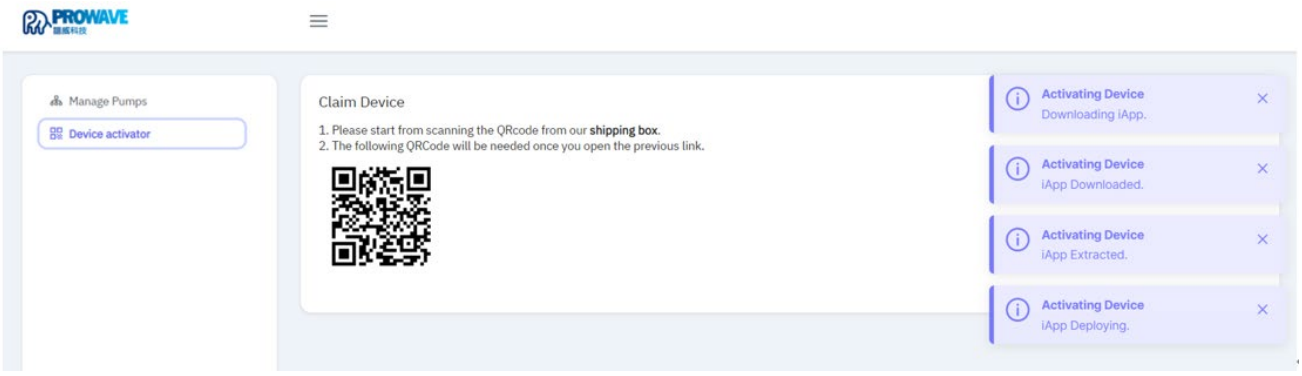
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Step 4: Check whether the product information is consistent with the actual hardware configuration, and click **Submit** after confirming that it is correct.

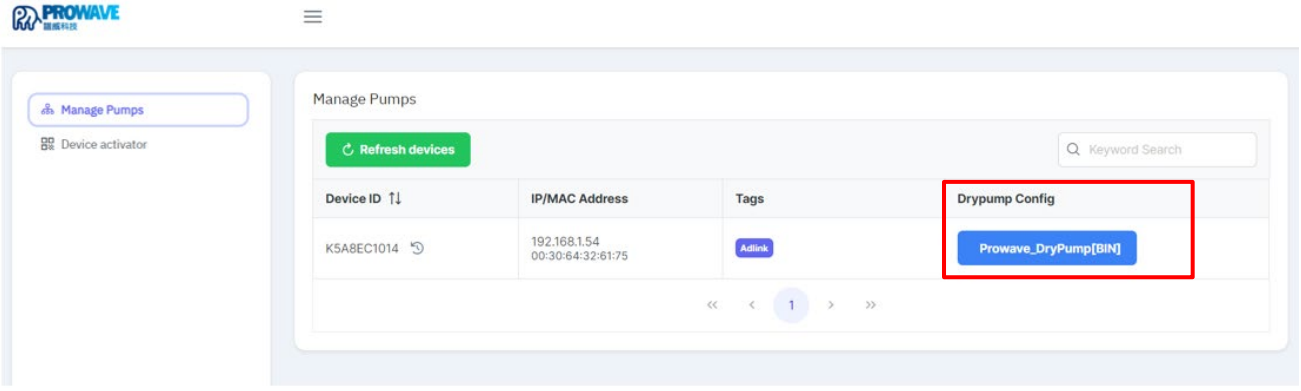


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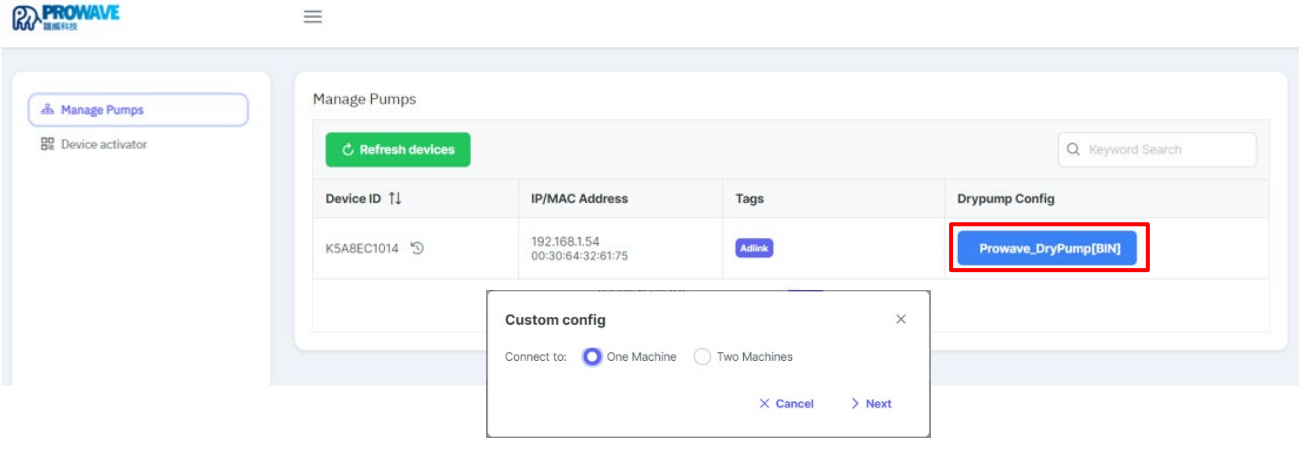
Step 5: When the activation is successful, the ACE software will display **Activating Device** messages.



Step 6: After completion, switch back to the **Manage Pump** page, to configure the device software and deployment.



Step 7: Set the parameters according to the actual equipment, then save to complete configuration.

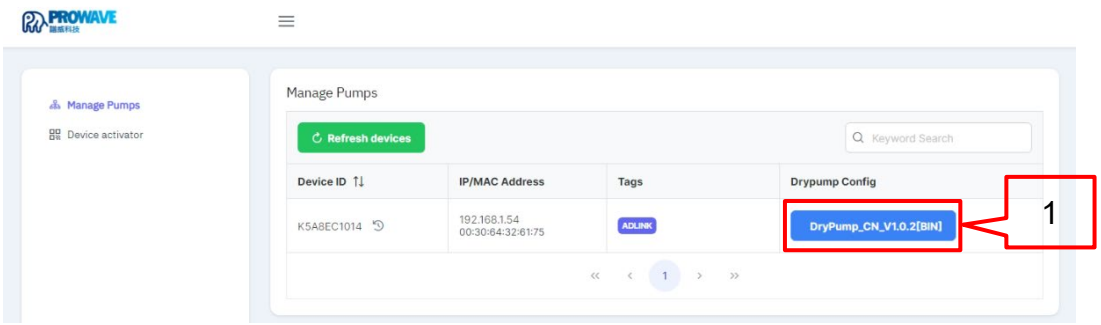


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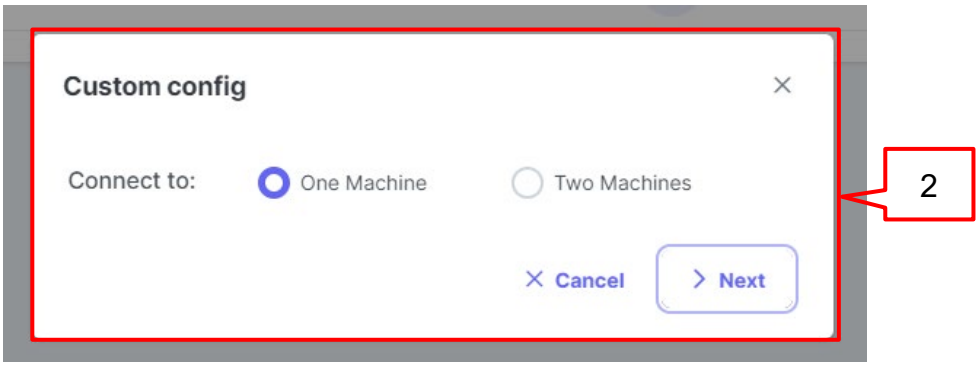
3 Configuration

This section describes device configuration.

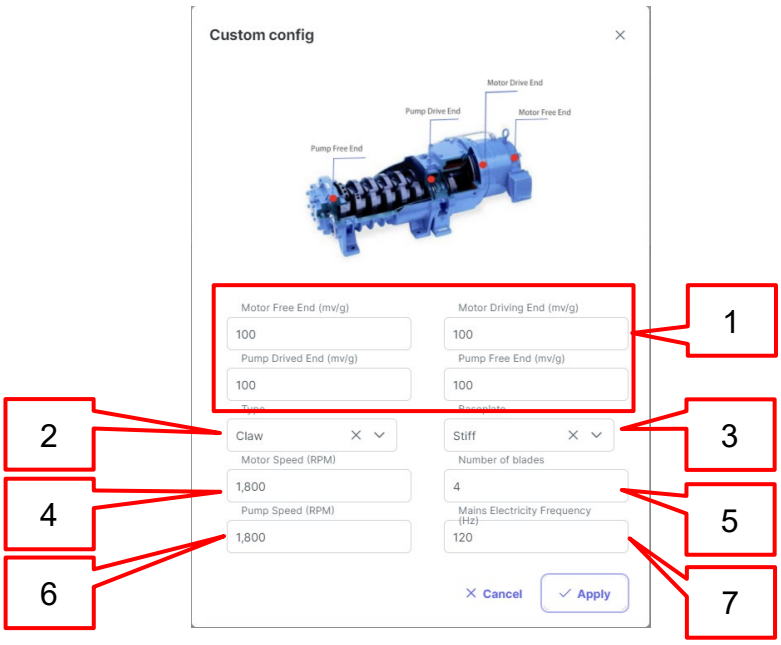
Step 1: Select **Manage Pump** from the sidebar menu, and then click the **Drypump Config** field.



Step 2: You can set the parameter values according to the device type.

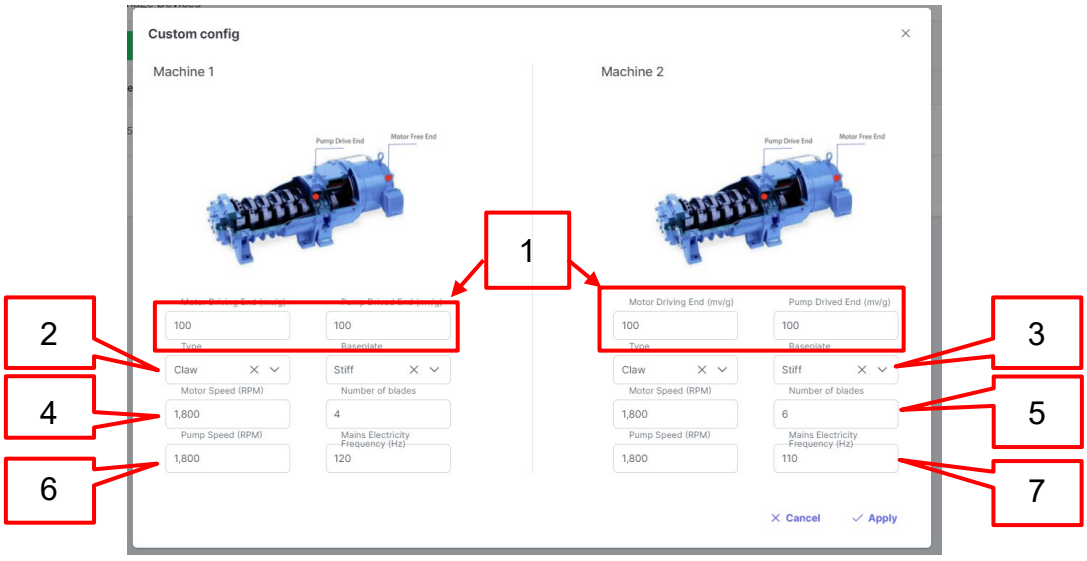


One Machine:



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Two Machines:



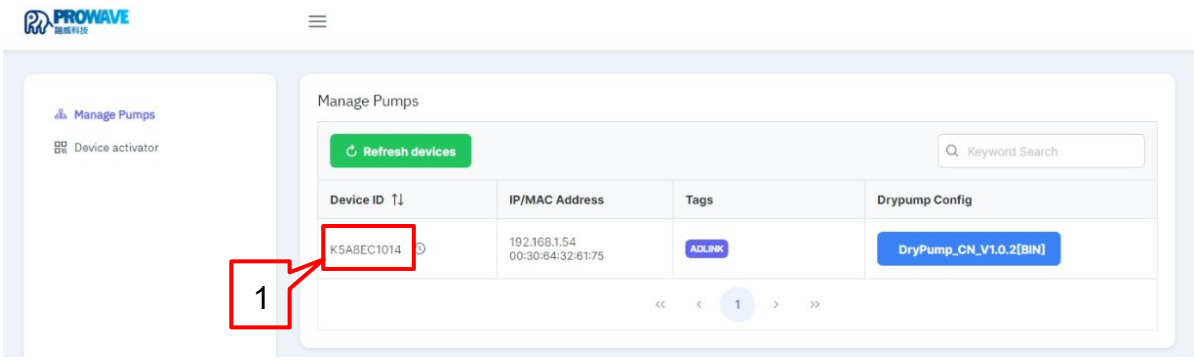
1. Sensor Sensitivity
2. Motor Type (Claw/Screw)
3. Pump Base (Fixed Base Plate/Rigid Base Plate)
4. Motor Speed
5. Number of Pump Blades
6. Pump Speed
7. Motor Power Supply Frequency

4 Displaying Device Information

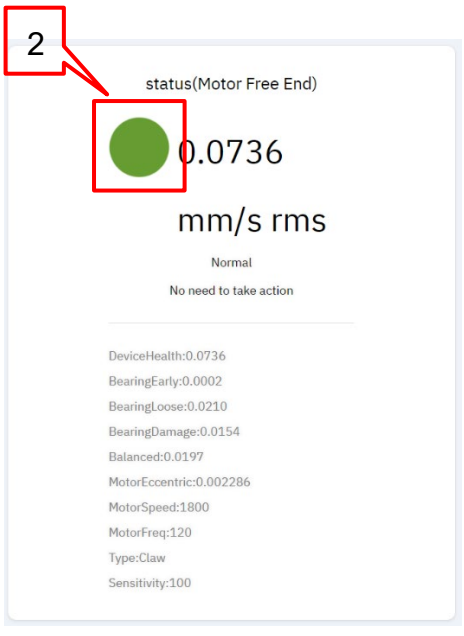
There are multiple ways to display a device's information.

4.1 Live View

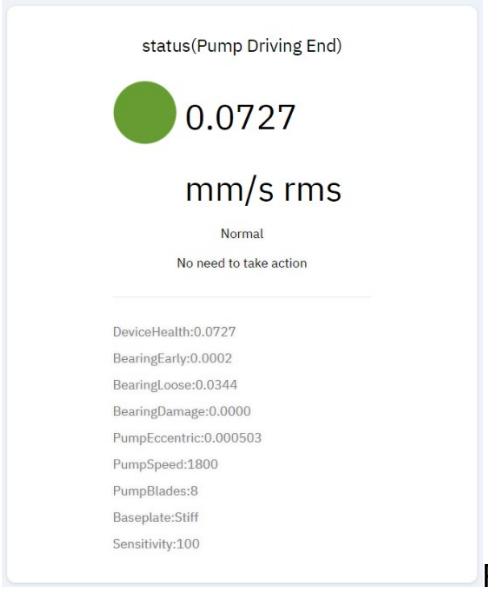
Step 1: Select **Manage Pump** from the sidebar menu, then click **Device ID** to view the device's Live View that displays real-time informationin. This view refreshes every three seconds and displays the health index information of each measuring point.



Step 2: When the warning value (yellow) or dangerous value (red) is exceeded, the health indicator will change color.



Motor

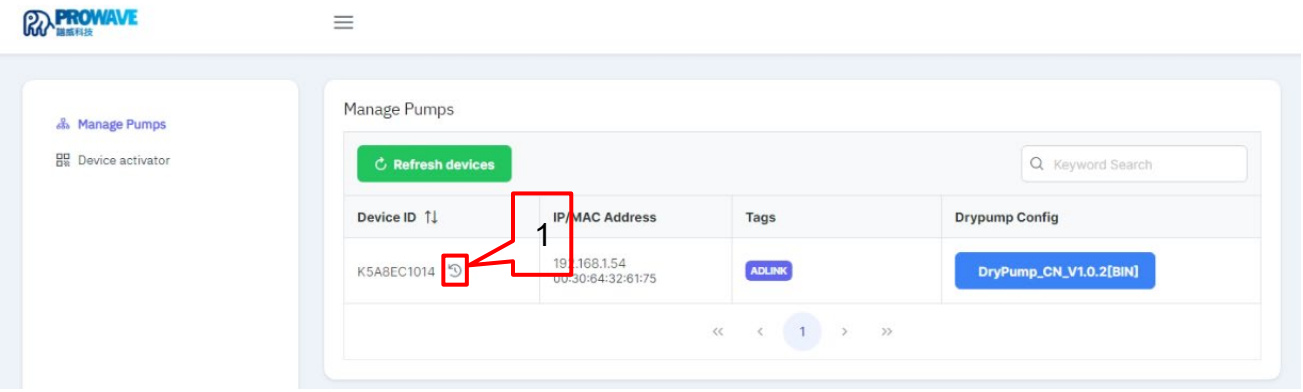


Pump

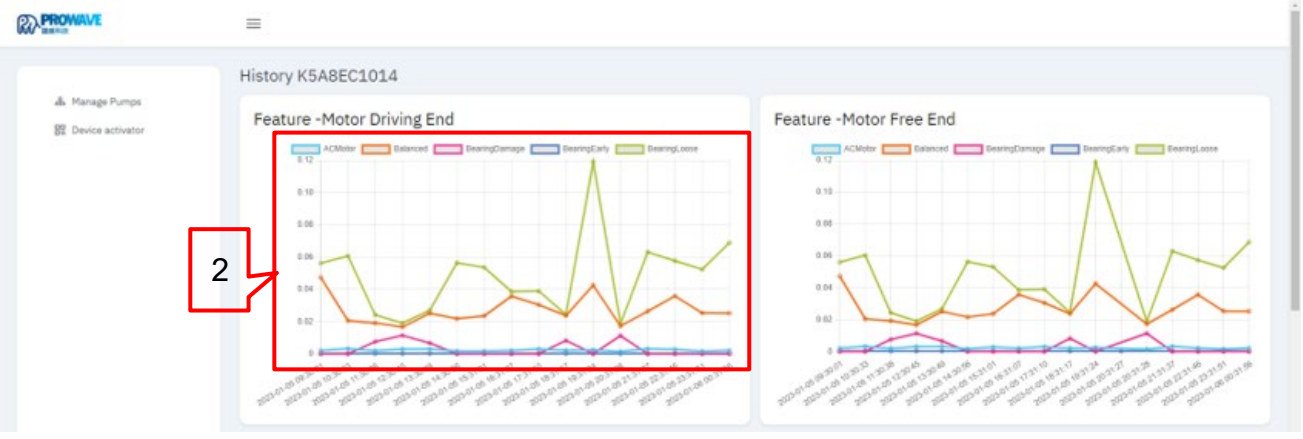
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4.2 Device History Information

Select **Manage Pump** from the sidebar menu, and then click the symbol to enter the historical information display screen.



Data is displayed in increments of 1 hour.



There are two charts, Feature (feature index) and Health (health index).

There are different indicators depending on the device type.

Pump	Motor
DeviceHealth	DeviceHealth
BearingEarly	BearingEarly
BearingLoose	BearingLoose
BearingDamage	BearingDamage
pumpEccentric	Balanced
	MotorEccentric

Health (health indicator) information displayed is according to the ISO10816 standard agreement, Alarm & Danger Line. The value is fixed at Alarm=2.8/Danger=4.5. Up to 21,700 records can be written on the screen, with older data deleted if the number is exceeded.

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