

## Know your X4 dosing pump

X4 dosing pump is an intelligent dosing pump equipped with four micro-peristaltic pump heads and WIFI modules. It is mainly used to add various elements needed for the growth of marine life to aquarium regularly, quantitatively and accurately, such as calcium, magnesium, KH agent, trace element and so on. Through automated addition, X4 dosing pump greatly reduces the workload by manual and avoids missed addition, excessive addition, insufficient addition and other mistakes caused by manual addition.

### X4 Details



## **Install your X4 dosing pump**

### **Note:**

- 1. The dosing pump belongs to the self-priming pump, when the inlet and outlet of the liquid gap is too large, may produce siphon or reflux phenomenon. In order to avoid siphon and reflux phenomenon, the dosing pump should be placed in a reasonable position, to ensure that the inlet and outlet of the height of the gap within 0.5 meters.**
- 2. The inlet tube shall be as short as possible, and the outlet tube should be suspended above the container.**
- 3. Please carefully check the inlet and outlet tube connection direction is correct, must not be reversed.**

## Download control software

- **Apple mobile App**

1. Scan QR code to download



2. Download via App Store  
Go to App Store, search "Kamoer" and select "Dosing pump 2" download.

- **Android mobile App**

1. Scan QR code to download



2. Download via Google Player  
Go to Google Player, search "Kamoer" and select "Dosing pump 2" download.

- **Computer PC control software**


Visit <http://www.kamoer.com/en/>, Click "Technical Library"-> "Download"->"Product catalog Download"->"x4-windows" to download.

## Notice before using

1. The control software needs to connect the dosing pump for use and can not be used offline.
2. When you use PC control software, please turn off antivirus software or security guard.
3. For the first time using the dosing pump, please do the flow calibration, you can manually add the specified volume to check whether the flow is accurate (such as manual adding 5ml, using cylinder to measure the actual volume is 5ml).

## Use your X4 dosing pump

### 1. View Tutorials

After installing the app, open the app and click the View tutorial  in the upper right corner.

### 2. Introduction of connection

There are two ways of App Connection for dosing Pump: Direct Connect and Auto Connect, we recommend the use of Auto connect.

Method	Description	Advantages	Disadvantages
Direct Connect	The mobile phone and the dosing pump are directly connected, not through the third party	The connection is simple, just select the WiFi of the dosing pump.	You need to select the dosing pump WiFi to connect manually, and the same moment the mobile cannot access the Internet
Auto Connect	Mobile and dosing pumps are connected by routers, and routers act as middleman	Once configured successfully, the mobile automatically connect to the dosing pump through the router	It is slightly complicated to set up auto connect. some routers may not support auto connection (such as a 5G router)

#### Notice:

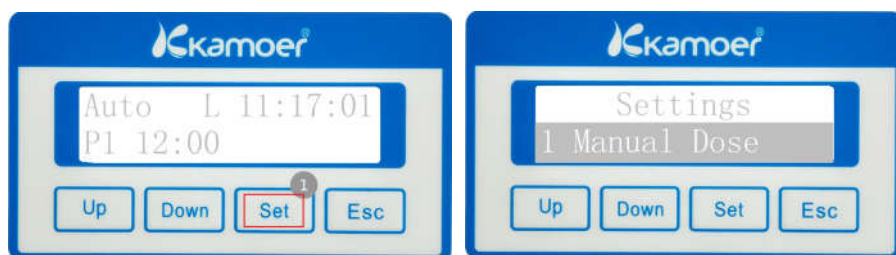
- a. The WiFi name of the X4 dosing pump begins with "KAMOER-X4-DP4" and the connection password is 12345678
- b. Auto Connect currently supports only 2.4G router, 5G router is not supported
- c. The dosing pump WiFi cannot found in the WiFi list of the mobile after Auto Connect successful

### 3. Reset the dosing pump WiFi

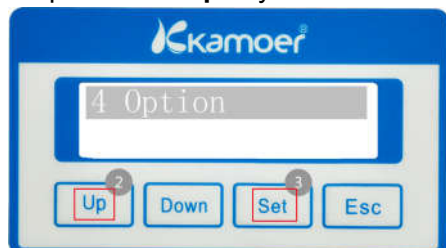
Reset the dosing pump WiFi, which is to allow the dosing pump WiFi to return to the factory default settings, so you can find it in the mobile phone WiFi list, the WiFi name of X4 dosing pump begins with "KAMOER-X4-DP4" . If you can find the WiFi from the dosing pump in your mobile WiFi list, skip this step.

The specific steps to reset WiFi are as follows:

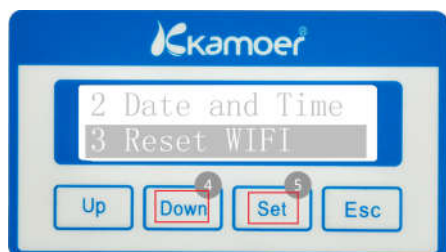
Step 1: Power on dosing pump, waiting for the startup to complete and enter the "Run" page, press **Set** key to enter the Settings page;



Step 2: Press **Up** key to select "4 Option", press **Set** key to enter the "Option" page;



Step 3: Press **Down** key to select "3 Reset WiFi" and press **Set** key to enter the "Reset WiFi" page;



Step 4: Press **Up** key to select "Yes", press **Set** key to reset WiFi, it will take about 3 seconds;



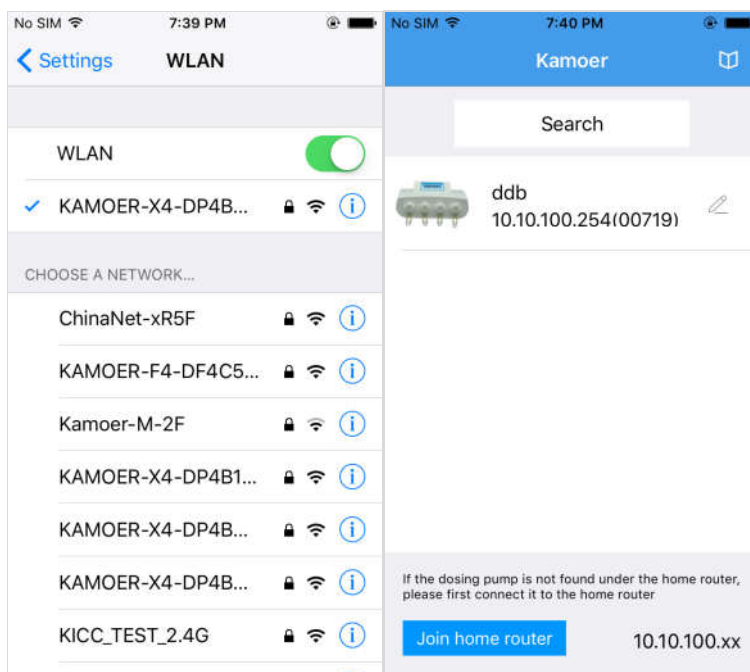
Step 5: WiFi reset complete will automatically return to the previous page, at this time press **Esc** key twice back to the "Run" page;

Step 6: Finally unplug the power supply, wait 5 seconds then the power on again, WiFi reset operation is finish.

#### 4. Direct Connect

Step 1: Power on the dosing pump, after entering the "Run" page, select the WiFi name begins with "KAMOER-X4-DP4" to connect in the WiFi list and the connection password is 12345678

Step 2: Open the app, the dosing pump will be shown in the device list, click it to connect the dosing pump;

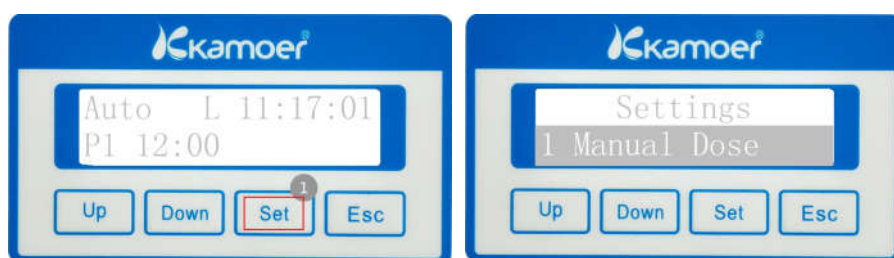


#### 5. Auto connect

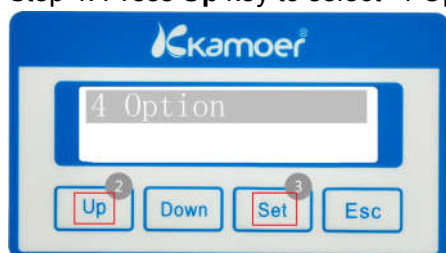
Step 1: Check if the firmware of dosing pump is 1.1.10 and above, if below 1.1.10 version, follow firmware upgrade tutorial to upgrade the firmware;

Step 2: Install the latest version of the dosing pump App on the mobile phone and connect to the home router WiFi;

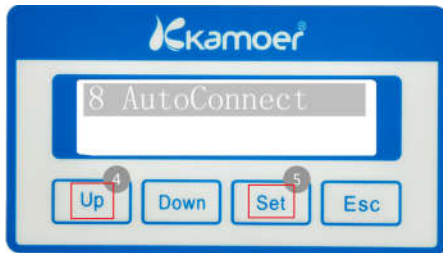
Step 3: Power on dosing pump, waiting for the startup to complete and enter the "Run" page, press **Set** key to enter the Settings page;



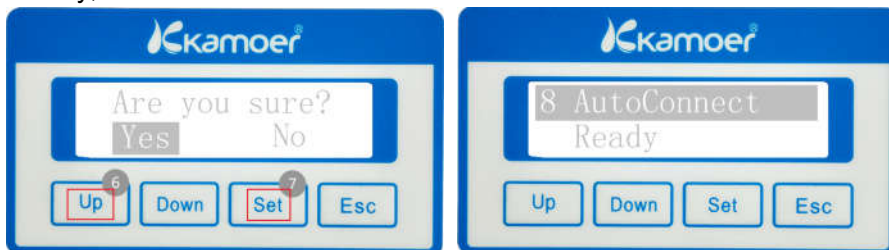
Step 4: Press **Up** key to select "4 Option" and press **Set** key to enter the Option page;



Step 5: Press **Up** key to select "Auto connect", press **Set** key to enter "Auto connect" page;



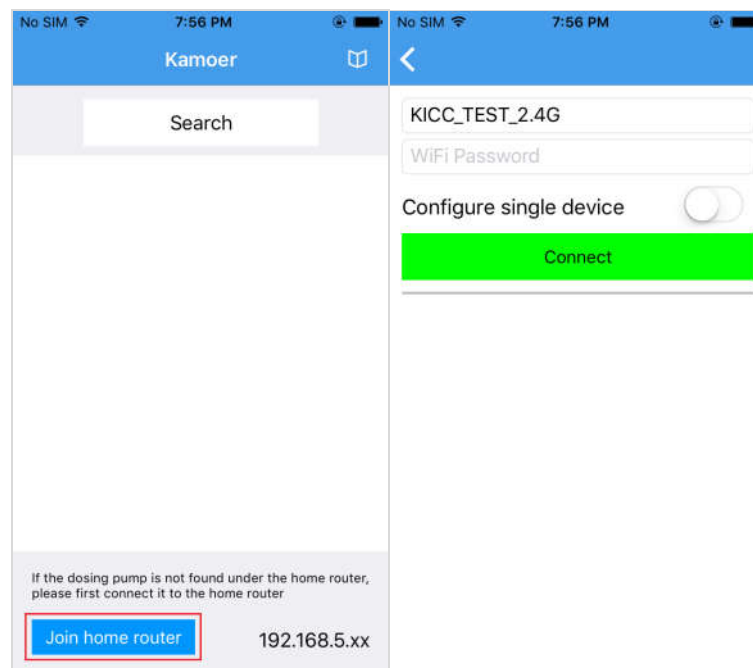
Step 6: In the "Auto connect" page press **Up** key to select "Yes" and press **Set** key, wait about 3 seconds, coming the waiting page, so that the dosing pump Auto connect has been ready;



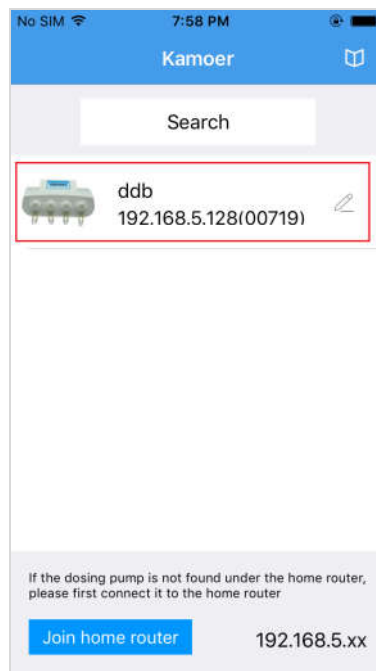
Step 7: Open App, click the lower left corner of "Join home router" into auto connect page;

Step 8:

- Enter your home router password in the WiFi password entry box;
- click the Connect button to start a connection, showing "connecting ...";
- If the connection is successful, the dosing pump will ring and back to the "Run" page;
- App shows auto connect successful and back to the device search page;



Step 9: The list of devices in the search page shows the dosing pump that has been searched, click on the dosing pump, and enter the control interface.



**Note:**

- a. Auto Connect only need to be configured one time, if configured successfully as long as the mobile phone and dosing pump connected to the same home router, you can find the dosing pump in the device search page.
- b. Using PC to log in, simply change the IP address in the "Network Connections" page of the login software to the same as the dosing pump IP address shown on the Mobile app search device page.
- c. If auto connect fails, the dosing pump performs WiFi reset, starting with step 1th.