

Connect Aeros with EZMQC

1. Connect Aeros with EZMQC to the same network

You can connect Aeros to a network hub using the Ethernet cable or connect Aeros to a network hotspot through a WiFi connection. The computer must be connected to the same network as the Aeros.

Option A: Connect to a network hub using an ethernet

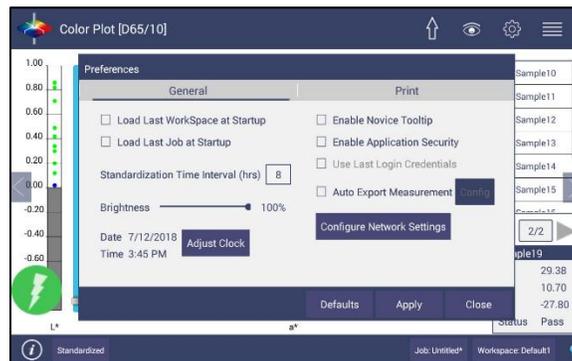
- Hardware needed: Ethernet cable plugged into the back of the Aeros and the other



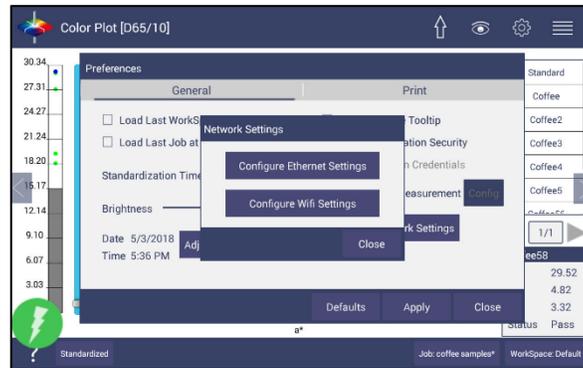
end to a network hub.

Ethernet Cable

- To connect Aeros to network, go to **Workspaces > Preferences** and Select **Config Network Settings**.

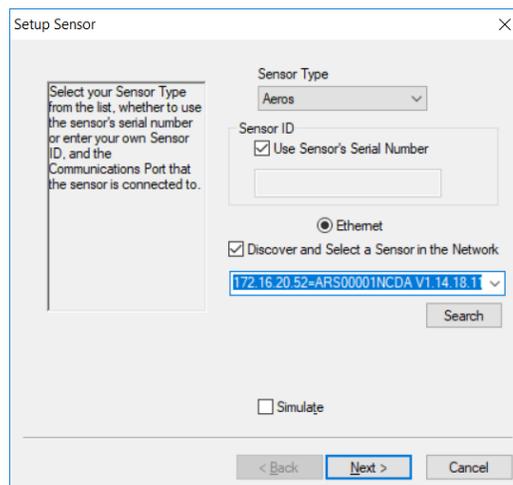


Preferences (General) > Network Settings



Configure Ethernet

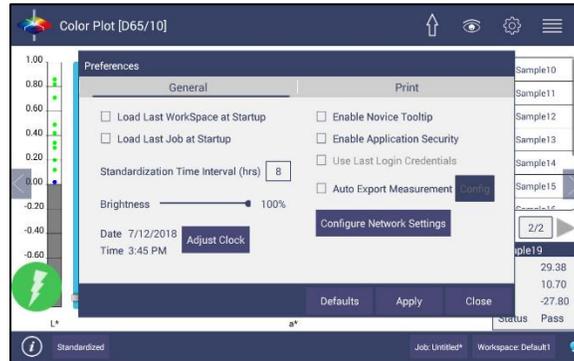
- Select **Configure Ethernet Settings**.
- Check **Use DHCP for Ethernet Config** and click Apply. If you used the other network setting before, please restart Aeros to apply the new network setting.
- Aeros is now ready to connect to EZMQC. Open EZMQC in the PC. In Sensor, click "Add Sensor" and select "Aeros". Select "Ethernet" and check the box "Discover and Select a Sensor in the Network" and then click "Search" to do an automatically searching. There will be a drop-down list of all available Aeros sensors. If the sensor in the list including IP address as well as sensor name, then it is connectable. If the sensor in the list with "?????" instead of sensor name, it means that EZMQC can find the AEROS, while AEROS is not free to connect to EZMQC. If you meet this problem, you can restart AEROS and click search again. Also, you can go to Aeros Essentials/Workspace menu/Diagnostics/Advanced, click "Restart Comm" to have Aeros communication available, and then go back to EZMQC and click search again.



Add Aeros sensor to EZMQC

Option B: Connect to a hotspot through the WiFi connection

- To connect Aeros to network, go to **Workspaces> Preferences** and select **Config Network Settings**.



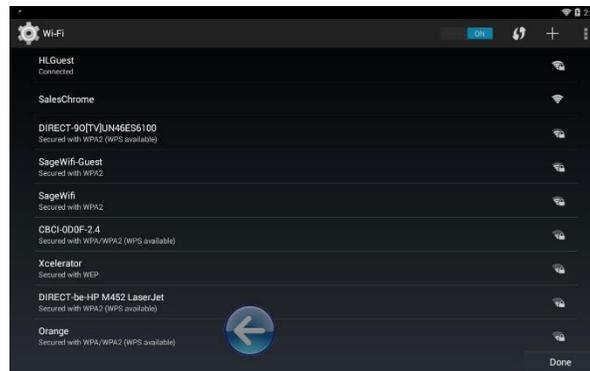
Configure Network Settings

- Select **Configure WiFi Settings** and the WiFi configuration dialog will be prompted.

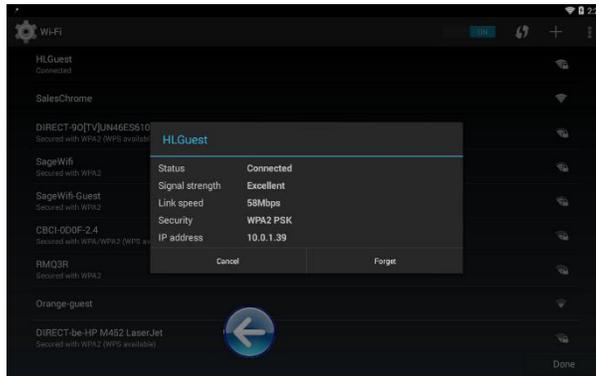


Configure WiFi settings

- Please search and connect to the available WiFi and write down the IP address showing in this dialog. After the WiFi configuration, please click the floating **Back Button** to go back to Essentials app. If you used the other network setting before, please restart Aeros to apply the new network setting.



Find IP Address



Find IP Address (Part2)

- ❖ Aeros is now ready to connect to EZMQC. Open EZMQC in the PC. In Sensor, click "Add Sensor" and select "Aeros". Select "Ethernet" and check the box "Discover and Select a Sensor in the Network" and then click "Search" to do an automatically searching. There will be a drop-down list of all available Aeros sensors. If the sensor in the list including IP address as well as sensor name, then it is connectable. If the sensor in the list with "?????" instead of sensor name, it means that EZMQC can find the AEROS, while AEROS is not free to connect to EZMQC. If you meet this problem, you can restart AEROS and click search again. Also, you can go to Aeros Essentials/Workspace menu/Diagnostics/Advanced, click "Restart Comm" to have Aeros communication available, and then go back to EZMQC and click search again.

2. Direct Connection between Aeros and a Computer using a Ethernet cable

Ethernet cable is plugged into the back of the Aeros and the other end is connected to the computer. Ethernet adapter USB can be applied here if the computer does not have available Ethernet port.

- Hardware needed: Ethernet cable and Ethernet adapter to USB can be applied here if the computer does not have available Ethernet port.



Ethernet Cable



Ethernet to USB Adapter

- **Connect Aeros to Computer:**

- ❖ Plug Ethernet cable into RJ-45 Ethernet connection at rear of Aeros.



Ethernet Port

Rear View of Aeros

- ❖ Plug the other end into the Computer or into the Ethernet adapter

- **Open Command Prompt in the PC.**

Type in *ipconfig*, find the right ethernet (in this case, it is **Ethernet adapter Ethernet**) and write down **autoconfiguration IPv4 Address** as well as the **Subnet Mask**.

```
Command Prompt
C:\Users\ping.wang_HUNTERLAB>
C:\Users\ping.wang_HUNTERLAB>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix  . : fe80::1420:851b:44d0:7190:29
    Link-local IPv6 Address . . . . . : fe80::1420:851b:44d0:7190:29
    Autoconfiguration IPv4 Address. . : 169.254.113.144
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . :

Wireless LAN adapter Local Area Connection* 3:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

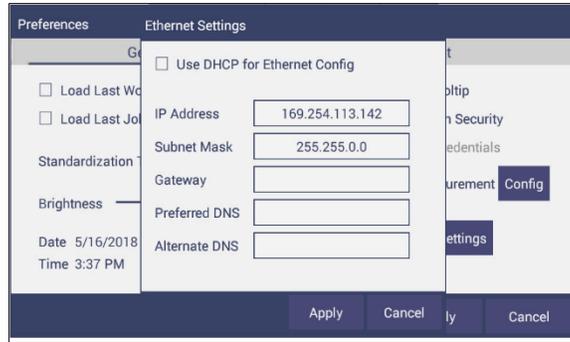
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Ethernet adapter Ethernet:
```

Command Prompt ipconfig

- **Configure the Aeros**

Open Aeros Essentials, go to **Workspaces > Preferences > Configure Network Settings**. First, select the Ethernet configuration. Uncheck **Use DHCP for Ethernet Config**. Type in **IP address** and **Subnet Mask** manually. The IP address here should be same as the autoconfiguration IPv4 Address in the PC, except changing the last number. The Subnet Mask is the exact same.



Configuration Parameters for Ethernet

- ❖ Press **Apply** on the Ethernet Configuration and then **Apply** on the Preferences Page to complete.
- ❖ Turn the instrument **off** and then back **on**.
- ❖ Aeros is now ready to connect to EZMQC. Open EZMQC in the PC. In Sensor, click "Add Sensor" and select "Aeros". Select "Ethernet" and check the box "Discover and Select a Sensor in the Network" and then click "Search" to do an automatically searching. There will be a drop-down list of all available Aeros sensors. If the sensor in the list including IP address as well as sensor name, then it is connectable. If the sensor in the list with "?????" instead of sensor name, it means that EZMQC can find the AEROS, while AEROS is not free to connect to EZMQC. If you meet this problem, you can restart AEROS and click search again. Also, you can go to Aeros Essentials/Workspace menu/Diagnostics/Advanced, click "Restart Comm" to have Aeros communication available, and then go back to EZMQC and click search again.