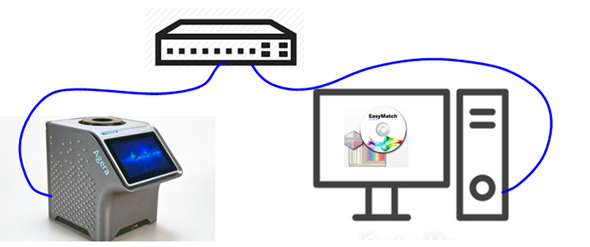
# **Connecting Agera with OnColor**

First you need to install the HunterLab OCX components if you haven’t already. They are installed by running HLOCX.MSI found on OnColor’s distribution media in the “/support/Hunter OCX/” folder.

There are three methods that we can use to connect Agera with OnColor. Please select the method that works best for you and follow the instruction to connect. Please note, only OnColor 6.2.3.9 and above support the Agera sensor.

The three methods are:

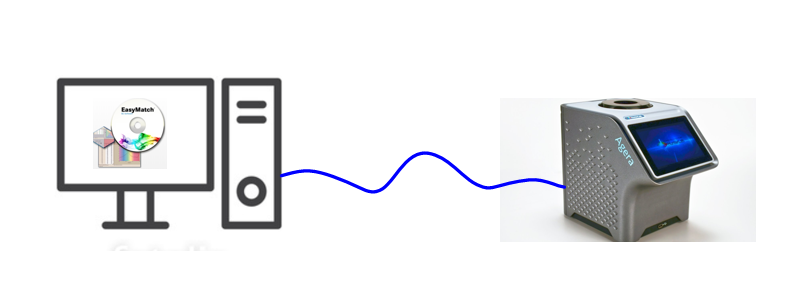
[**Method 1:** **Connect Agera with OnColor to the same network using Ethernet cables.**](#_Method_1:_Connect)



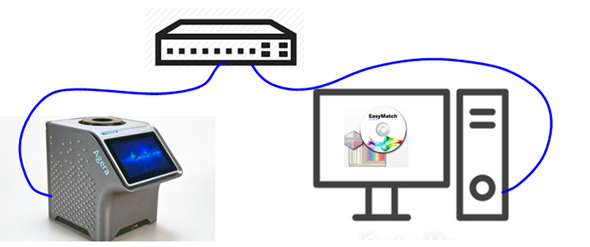
[**Method 2: Connect Agera with OnColor to the same network through WiFi connection**](#_Method_2:_Connect)



[**Method 3: Direct Connection between Agera and a Computer using an Ethernet cable**](#_3._Direct_Connection)



## Method 1: Connect Agera with OnColor to the same network using Ethernet cables



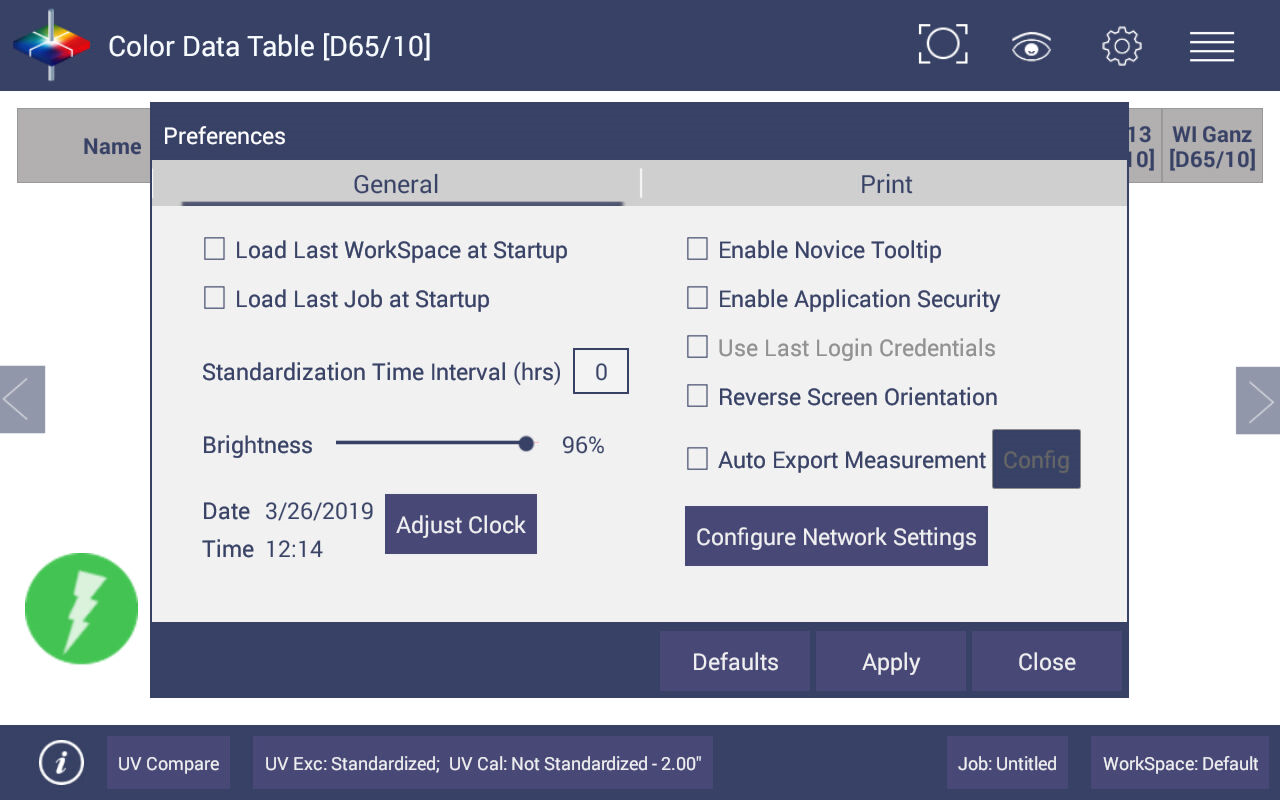
You can connect Agera and PC to the same network hub using the Ethernet cable. If not allowed on the company network, the customer can also use a stand-alone DHCP tool (a Router usually) to connect Agera and PC.

1. Plug Ethernet cable into the back of the Agera and the other end to a network hub. Connect the PC to this network hub as well using an Ethernet cable.



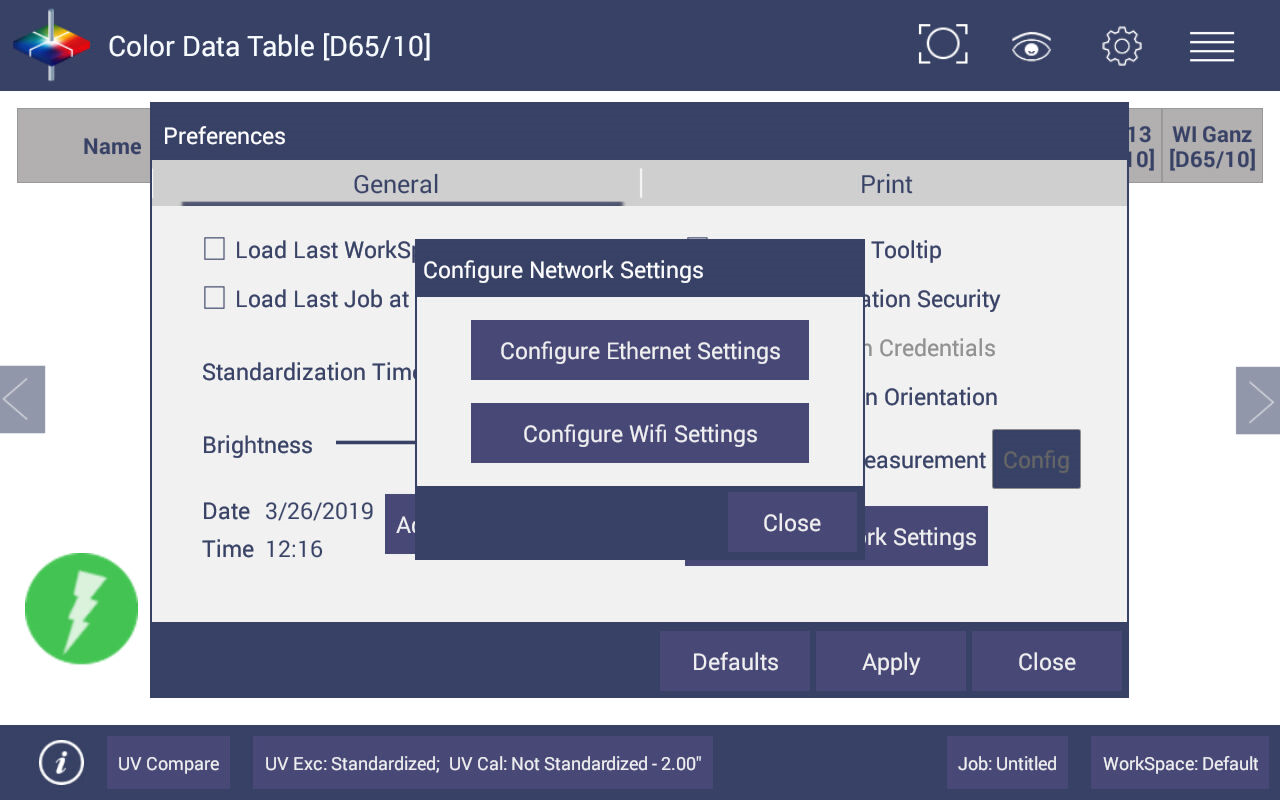
Ethernet Cable

1. After connect Agera to the network, go to ***Workspaces > Preferences*** and Select ***Config Network Settings***.



Preferences (General) > Network Settings

1. Select ***Configure Ethernet Settings***. Check Use DHCP for Ethernet Config and click Apply. If you were using another network setting before, please power Agera off, then back on to apply the new network setting.



Configure Ethernet

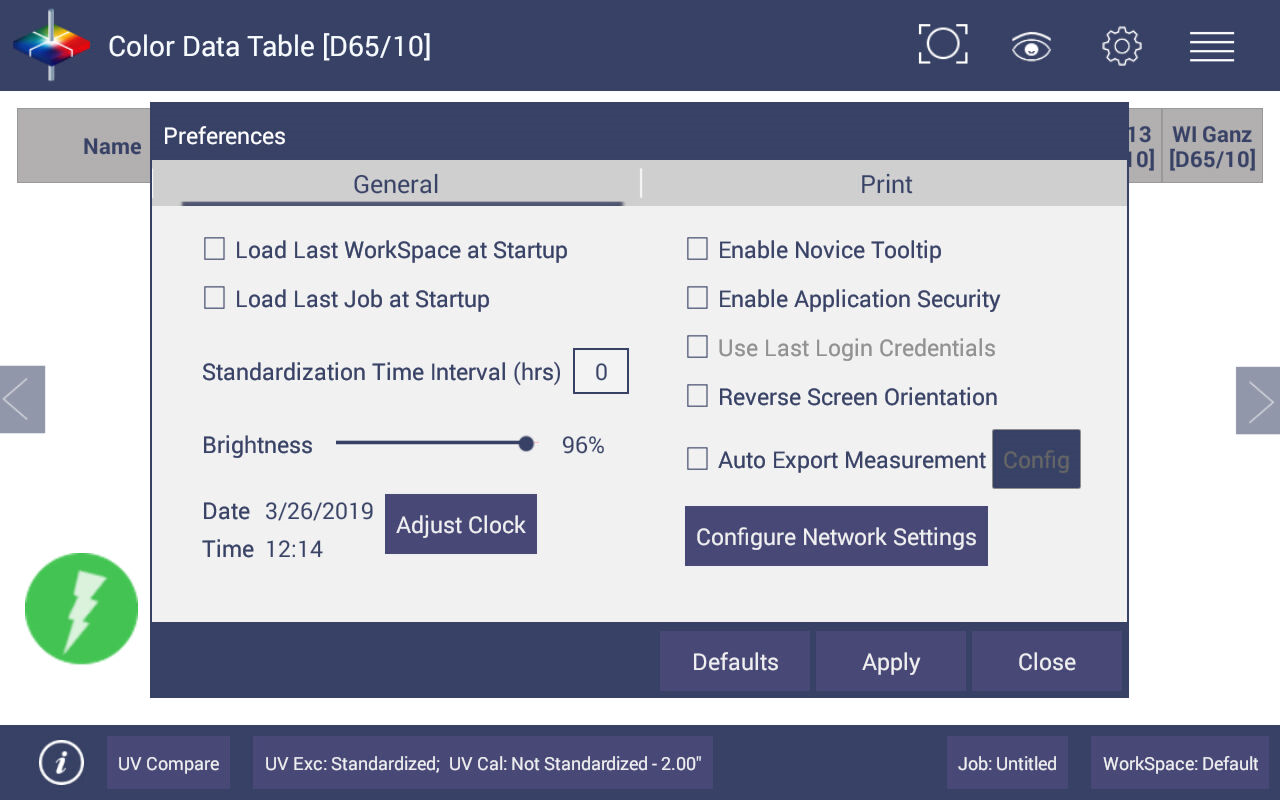
1. Agera is now ready to connect to OnColor. Go to the last page (Connecting to Agera Driver from OnColor) to see how this is done.

Add Agera sensor to OnColor

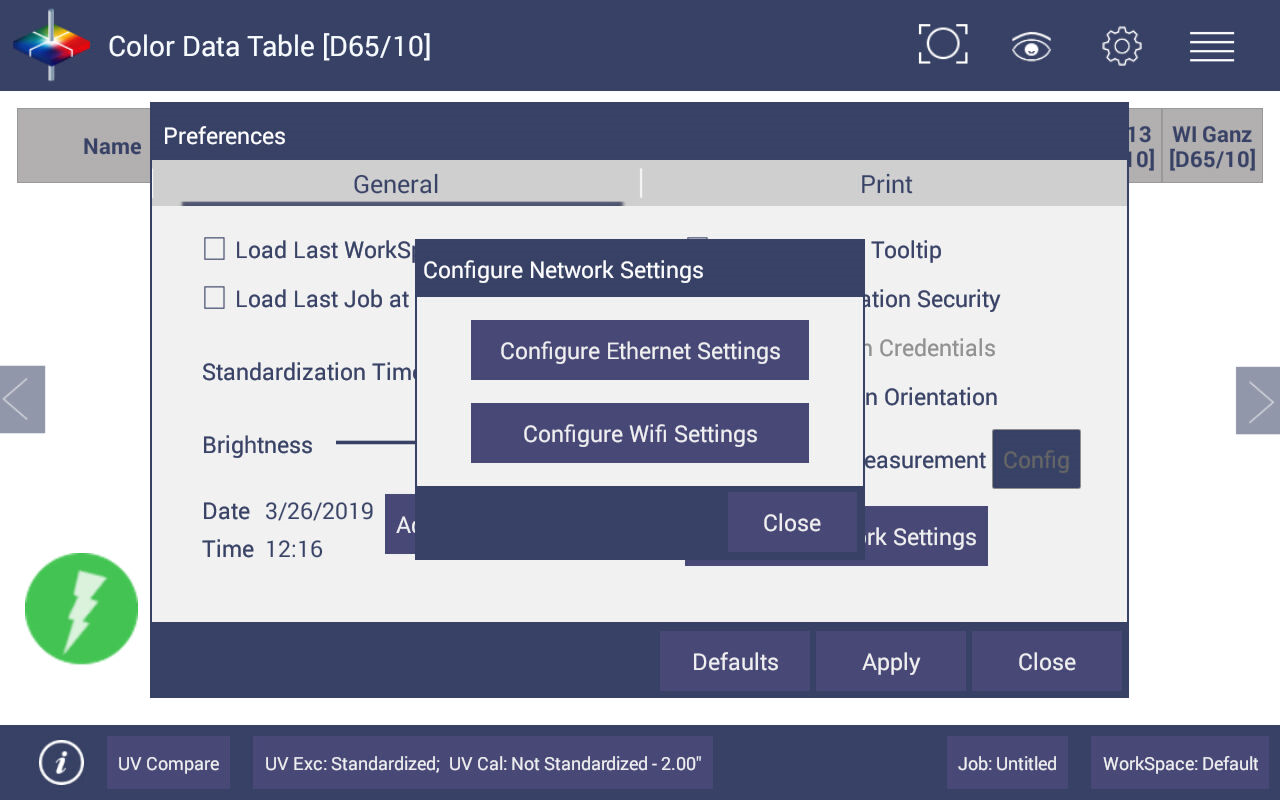
## Method 2: Connect Agera with OnColor to the same network through WiFi connection



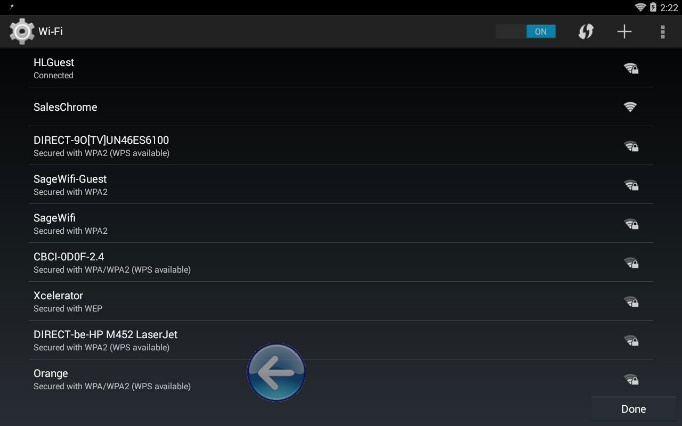
1. Connect Agera to network, go to ***Workspaces> Preferences*** and select ***Config Network Settings***. Select ***Configure WiFi Settings*** and the WiFi configuration dialog will be prompted.

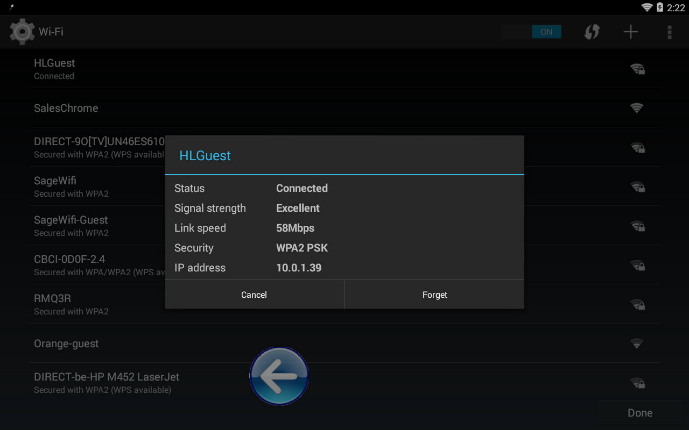


Configure Network Settings



Configure WIFI settings

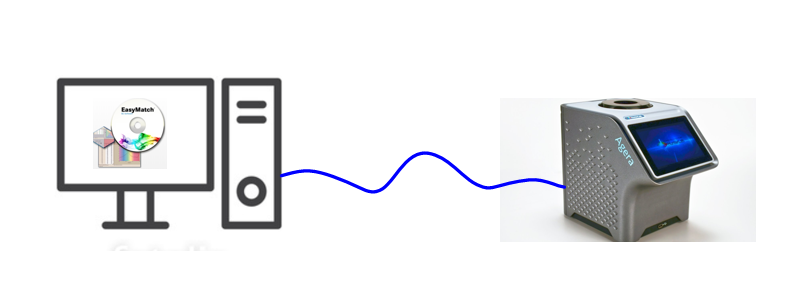
1. Please search and connect to the available WiFi and write down the IP address showing in the second dialog. If you were using another network setting before, please power Agera off, then back on to apply the new network setting.



Find IP Address

1. Connect the PC to the same network as well.
2. Agera is now ready to connect to OnColor. Go to the last page (Connecting to Agera Driver from OnColor) to see how this is done.

## Method 3: Direct Connection between Agera and a Computer using an Ethernet cable



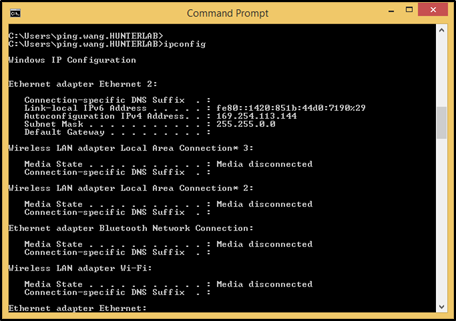
Ethernet cable is plugged into the back of the Agera and the other end is connected to the computer. Ethernet adapter USB can be applied here if the computer does not have any spare Ethernet port.

1. Plug Ethernet cable into RJ-45 Ethernet connection at rear of Agera. Plug the other end to the PC. If PC does not have any available ethernet port, USB-Ethernet adapater can be applied. Note: You must connect the Agera to the netwrok before running ipconfig, the next step.



Ethernet Cable and Ethernet to USB Adapter

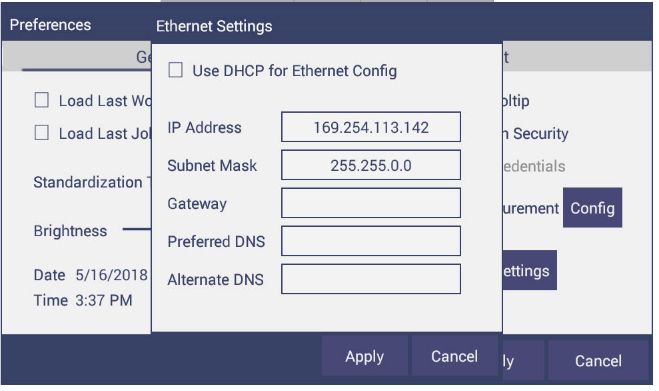
1. Check PC IP settings. Open Command Prompt in the PC, by typing CMD in the Windows search box. Once the DOS prompt appears, type in ***ipconfig***, find the right Ethernet connection. If the computer is on the network , there will be two, one for the computer and one for Agera. Be sure you are using the correct IP address. (In this case, it is **Ethernet adapter Ethernet**). Write down **autoconfiguration IPv4 Address** as well as the **Subnet Mask**.



Command Prompt ipconfig

1. Configure the Agera IP settings

Open Agera 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, these are the values you saved above. **The last digit in the IP address should be changed such that it is different from the computer IP address.** You can see we copied 169.254.113.144 above, but entered 169.254.113.142 here. Press ***Apply*** on the Ethernet Configuration and then ***Apply*** on the Preferences Page to complete.



Configuration Parameters for Ethernet

1. Turn the instrument **off** and then back **on**.
2. Agera is now ready to connect to OnColor. Go to the last page (Connecting to Agera Driver from OnColor) to see how this is done.

Connecting to Agera driver from OnColor

1. Open OnColor on the PC. In Options menu, click "Communications" and scroll down the list to find HunterLab Agera, select it.
2. OnColor will first attempt to load the HunterLab OCX components. If that fails, you need to run Windows Update to get the Microsoft .Net components required by the OCX.
3. If there is only one Agera on the network, OnColor will connect to it. If there is more than one, OnColor will show a message box for each connection found. When you find the IP address for the one you want, select it.
4. If none are found an error will be displayed. Power off the Agera and switch OnColor back to the Demo Mode instrument. When the Agera has powered up, select HunterLab Agera from the Communications dialog and see if it finds the Agera.
5. Also, you can go to Agera Essentials/Workspace menu/Diagnostics/Advanced, click "Restart Comm" to have Agera communication available.
6. Then go back to OnColor and try to connect, by first going to the Demo Mode instrument, then selecting HunterLab Agera. OnColor only searches for a network connection once, when the Agera driver is loaded. That’s why you need to switch to Demo Mode, and then switch back to Agera to reload the driver and perform the network search for Agera instruments.