



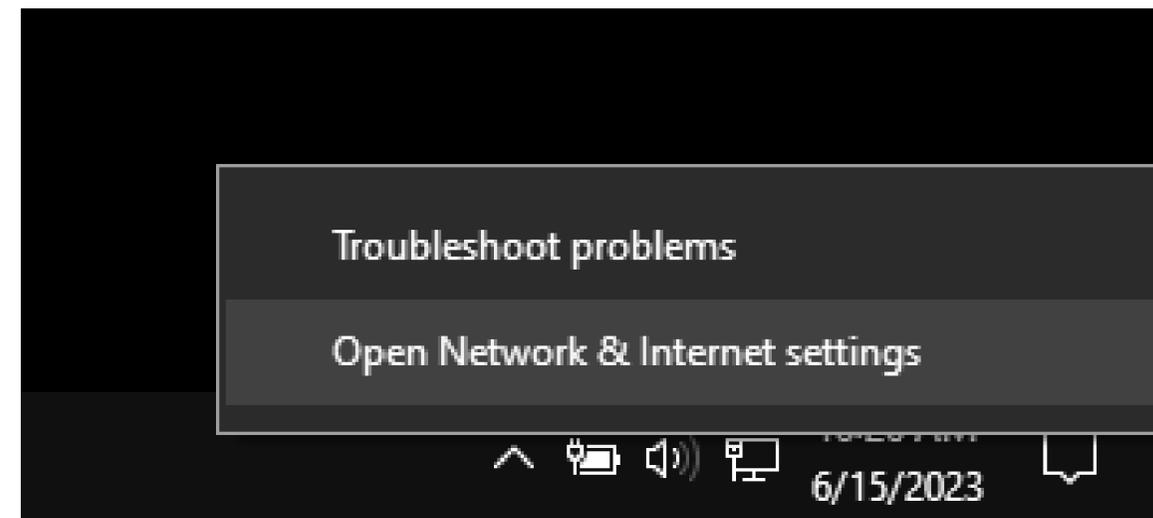
DHCP Network setup and WEB Control Center Guide

Setting up a DHCP network

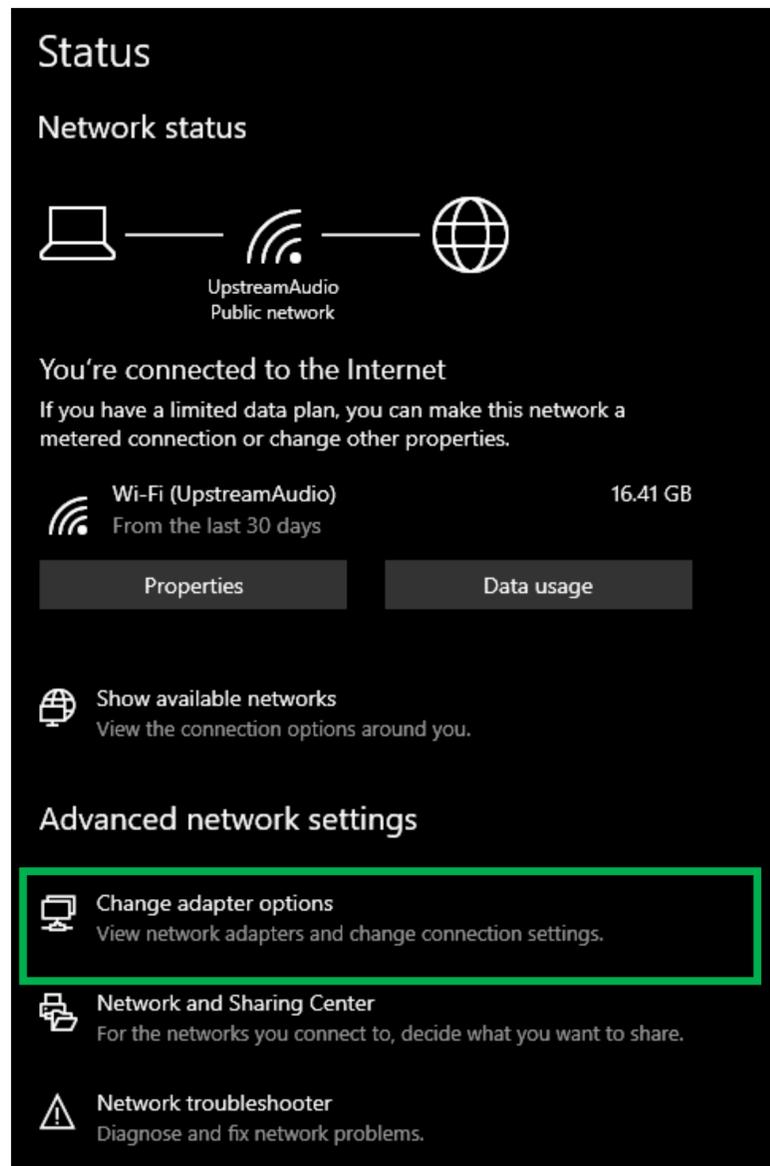
1. Connect to a network, make sure its Wi-Fi and has access to internet.



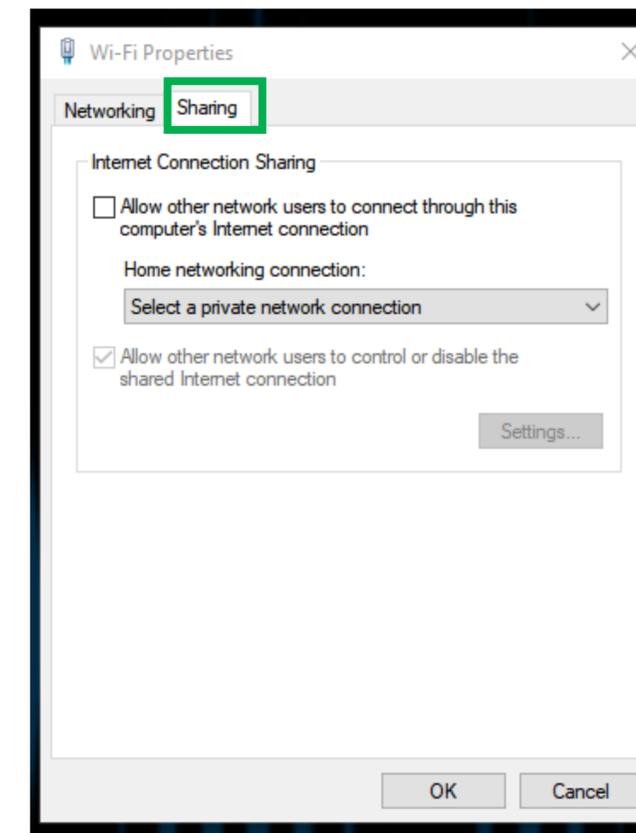
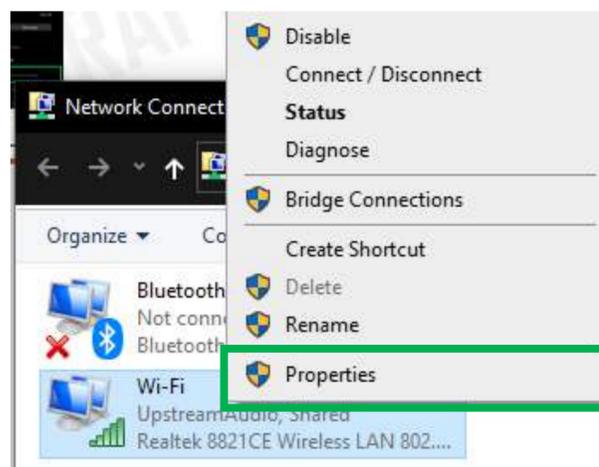
2. Go to Network and Internet Settings, and right click on the Wi-Fi/Ethernet icon in the right side of the task bar and click on "Open Network and internet settings".



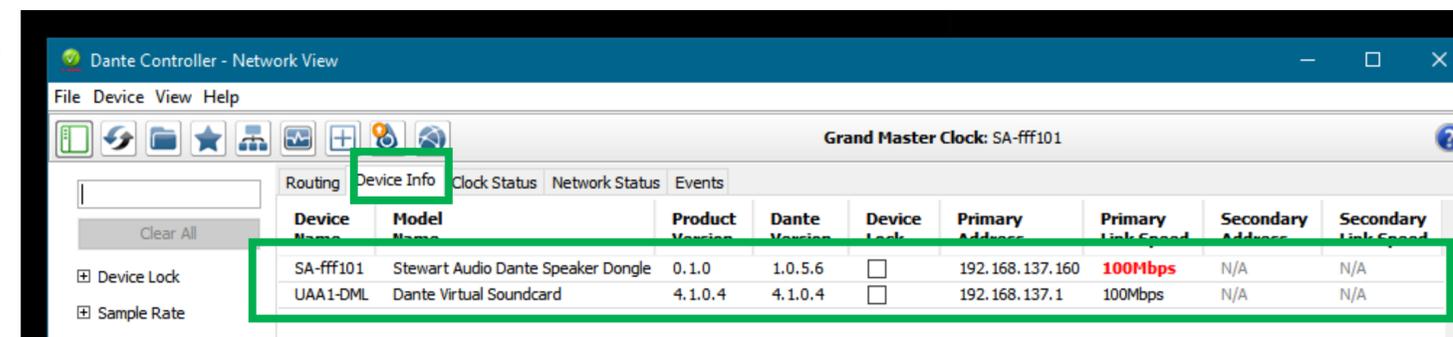
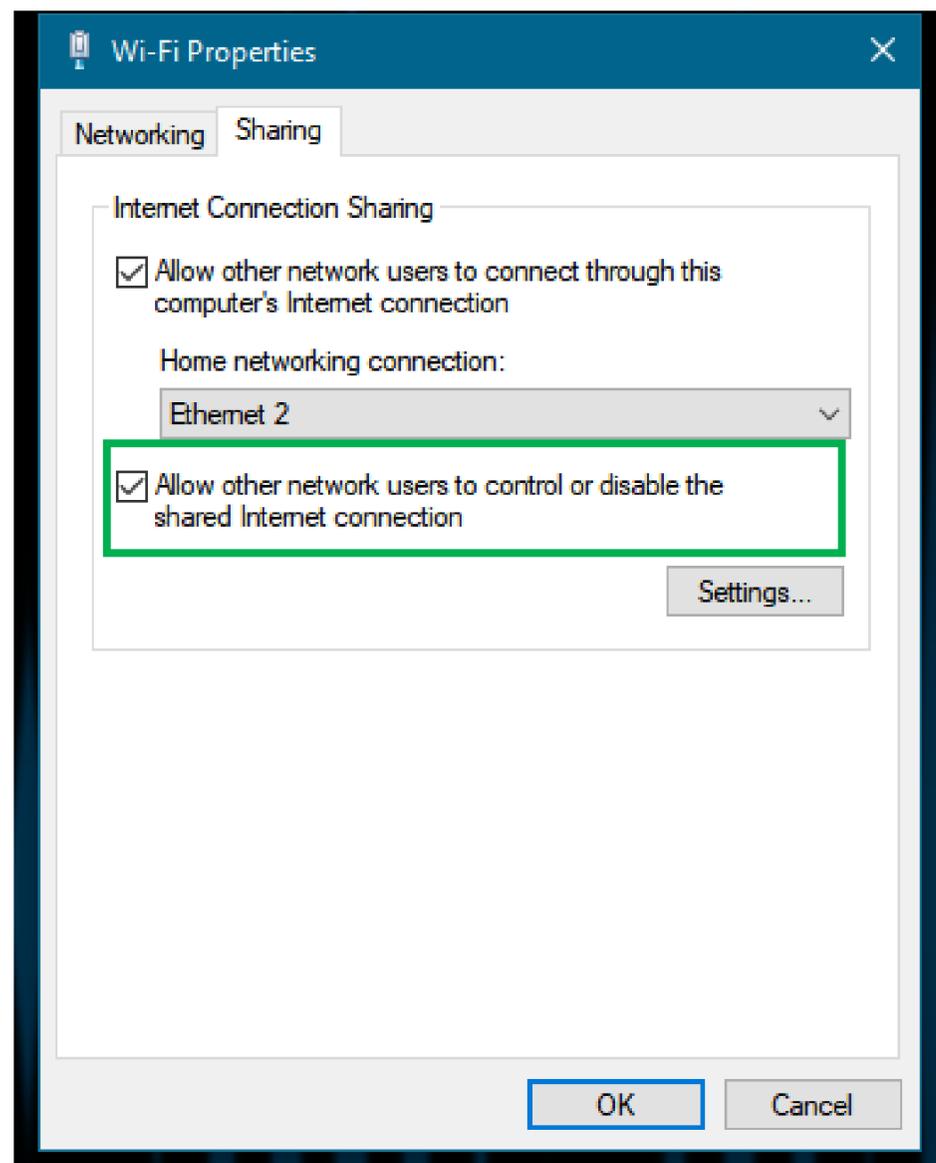
3. Select Change adapter options on the settings window.
4. Make sure both Ethernet and Wi-Fi adapters are shown on the Network Connections window.



5. Right click on the Wi-Fi adapter and select "Properties" and then on the emergent window select Shring tab



6. Check the “Allow other network users to connect through this computer’s Internet connection” and select the Ethernet adapter (if applicable), after this press “OK” and close the Wi-Fi properties window.
7. Open Dante Controller then go to “Device Info” Tab and wait for the Dante device to appear.



Now the device is ready to work on Stewart Audio Web Control Center, check the following pages for more information on this.

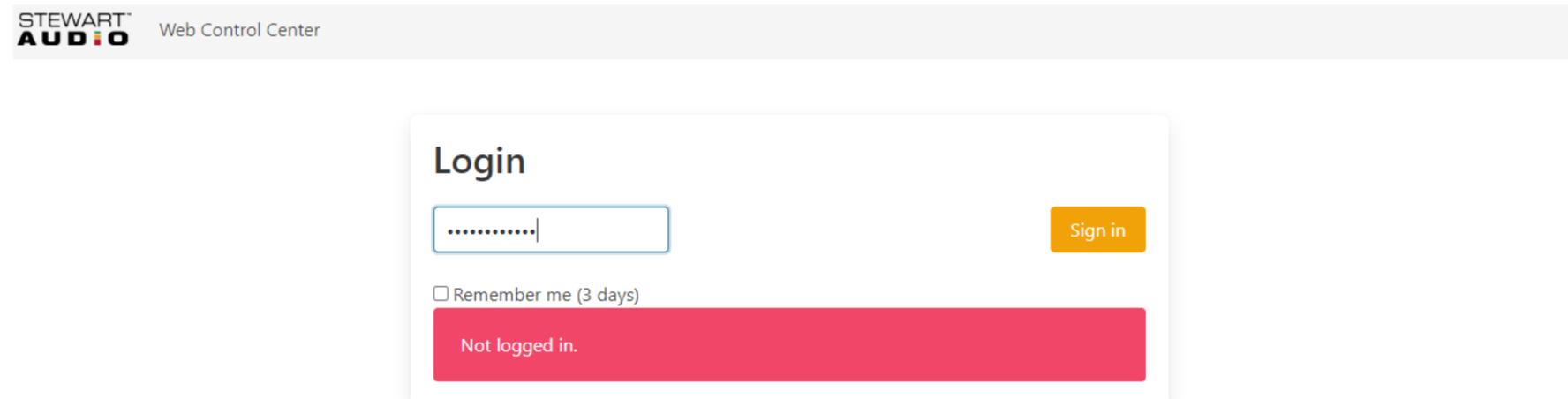
Stewart Audio Web Control Center

1. Open a window on your preferred browser and go to the Search/URL tab and type the Dante Device IP address shown on Dante Controller and then press enter.

Device Name	Model Name	Product Version	Dante Version	Device Lock	Primary Address	Primary Link Speed	Secondary Address	Secondary Link Speed
DPA-220-fff101	DPA-220	0.1.0	1.0.5.6	<input type="checkbox"/>	192.168.1.24	100Mbps	N/A	N/A



2. This will open the Stewart Audio Web app login interface and will ask for a password. Default password on all devices is “stewartaudio”, type it on the Login screen and press enter.



3. After this the Web Controller will be available, below there is an explanation of its features:

The screenshot shows the Stewart Audio Web Control Center interface. At the top left is the logo and 'Web Control Center'. At the top right is a 'Logout' button. The interface is divided into several sections:

- 1 Change Password:** A form with 'New Password' and 'Confirm New Password' fields and a 'Change' button.
- 2 Set IP Mode:** A form with a 'Reset to DHCP' checkbox, 'New IPv4 Address' section with 'IPv4 Address' and 'Confirm IPv4 Address' fields, and a 'Set' button.
- 3 Gain Scaling:** A form with an 'Enable manual gain adjustment' checkbox, 'Channel 1' and 'Channel 2' gain sliders (set to -2.5 dB), and an 'Analog Gain' dropdown (set to 19.2 dBV). It includes an 'Apply New Gain Settings' button.
- 4 Device List:** A table with columns for 'Select', 'Serial Number', 'Model', 'Firmware Ver.', and 'Progress'. It lists four DPA-220 devices. Below the table are buttons for 'Beacon' (5) and 'Update Devices' (6), along with a 'Choose a file...' button.
- 7 Logout:** A button in the top right corner.

USER INTERFACE DETAILS

- 1 Password Change:** The login password is “stewartaudio” by default, but you can change it by entering a new password and clicking the “Change” button. (1)
- 2 Static IP setting:** When you are not using a DHCP-enabled network you must set a static IP to enter the Stewart Audio Web UI.
- 3 Gain Scaling:** The gain scale will be automatically set according to the system configuration. When needed you can manually set the gains.
- 4 Device list:** Your DPA-220 will discover and show you all of their DPA-220 friends on the network with them. These are shown in a device list so that you can update them in mass or individually.
- 5 Beacon:** This turns the multi-color LED into a flashing yellow beacon, which can help you identify which DPA-220 is which when you have a lot of them (as *everyone* should).
- 6 Firmware Update Tool:** The firmware update procedure is outlined below.
- 7 Logout:** After you finish updating your DPA220, logout to secure your device

Press on features 1, 2, and 3 in the table above to get a step-by-step explanation.

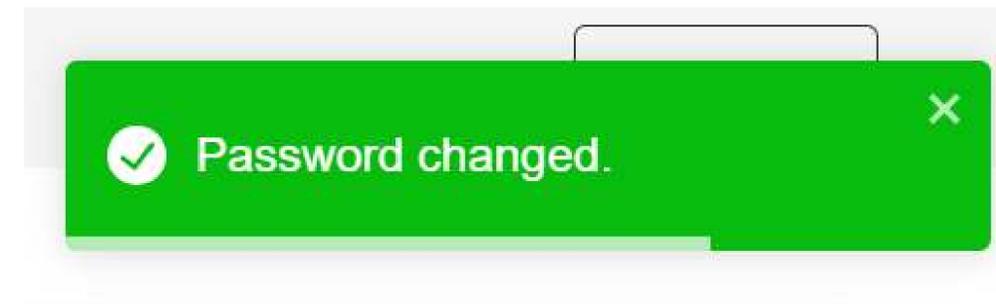
Download latest Firmware version here:
https://drive.google.com/drive/folders/1oNDwdLI-zdGSzmvxOzzFL5sc_DlGbyZo

1. Password change.

- 1.1 Input the new password for the device(s) in both text boxes.
- 1.2 Press the “Change” button. After pressing the button, a pop-up notification will emerge on the top right side of your screen confirming the change.

Change Password

Resets to default upon firmware update.



(1) Note: The login password of your DPA-220 will reset to the default after every firmware update. Make sure to re-secure your devices by changing the default password after every firmware update is installed!

RETURN

2. Static IP setting.

When needed you can set a static IP.

- 2.1 Input the static IP needed in both text boxes.
- 2.2 Press the “Set” button. After pressing the button, a pop-up notification will emerge on the top right side of your screen confirming the change.
- 2.3 To reverse the static IP simply select the “Reset to DHCP” option and press the “Set” button. After pressing the button, a pop-up notification will emerge on the top right side of your screen confirming the change.

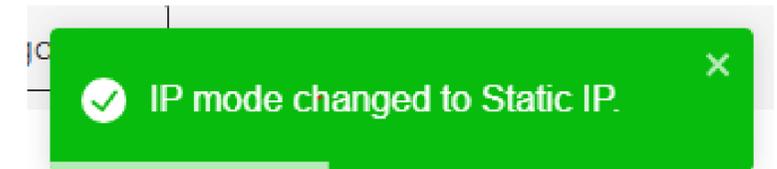
Set IP Mode

Change the network configuration for this device.

Reset to DHCP

New IPv4 Address

Confirm IPv4 Address



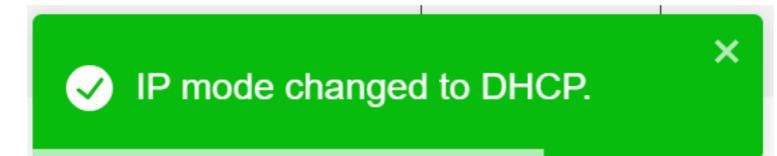
Set IP Mode

Change the network configuration for this device.

Reset to DHCP

New IPv4 Address

Confirm IPv4 Address



RETURN

3. Gain Scaling.

- 3.1 Select “Enable manual gain adjustment”. After doing this, 2 messages will appear.
- 3.2 You can input the gain on both channels and select between 19.2, 22.6, and 25 on the Analog gain option.
- 3.3 Once ready press “Apply New Gain Settings” and a pop-up notification will emerge on the top right side of your screen confirming the change.
- 3.4 To come back to automatic gain settings, just unselect the “Enable manual gain adjustment”. After this a pop-up notification will emerge on the top right side of your screen confirming the change.

Gain Scaling

Adjust output level (in 0.5dB increments).

Enable manual gain adjustment

Channel 1 dB

Channel 2 dB

Caution

The gain settings have been automatically set based upon the speaker load detected on the device outputs. Changing these settings may result in a brown-out condition if the device draws more current than your PoE network switch or injector can provide. Please ensure that the settings you apply will not overload your PoE power supply equipment under any anticipated operating conditions.

Analog Gain dBV

Note

For low power applications, the noise floor of the device can be reduced by lowering the analog gain or, for weaker signals that need additional gain, more analog gain can be applied using the above control. After setting this value, the digital channel outputs above can be used to fine-tune the output level. Please note that analog gain is applied to both channels, unlike the digital gain which can be applied to each channel independently.

[Apply New Gain Settings](#)

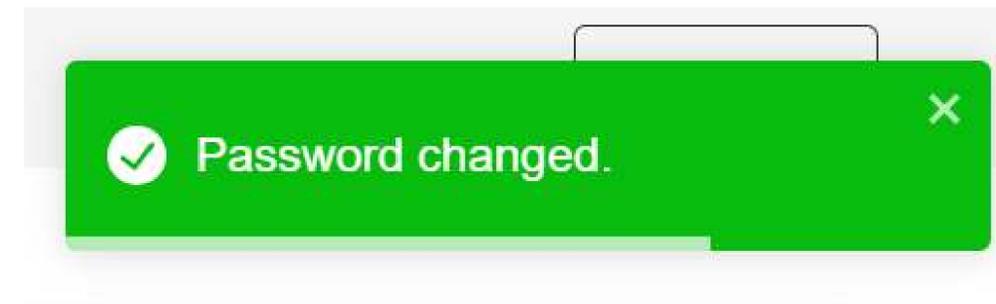


1. Password change.

- 1.1 Input the new password for the device(s) in both text boxes.
- 1.2 Press the “Change” button. After pressing the button, a pop-up notification will emerge on the top right side of your screen confirming the change.

Change Password

Persists through firmware updates.



(1) Note: The login password of your DPA-220 will reset to the default after every firmware update. Make sure to re-secure your devices by changing the default password after every firmware update is installed!

RETURN