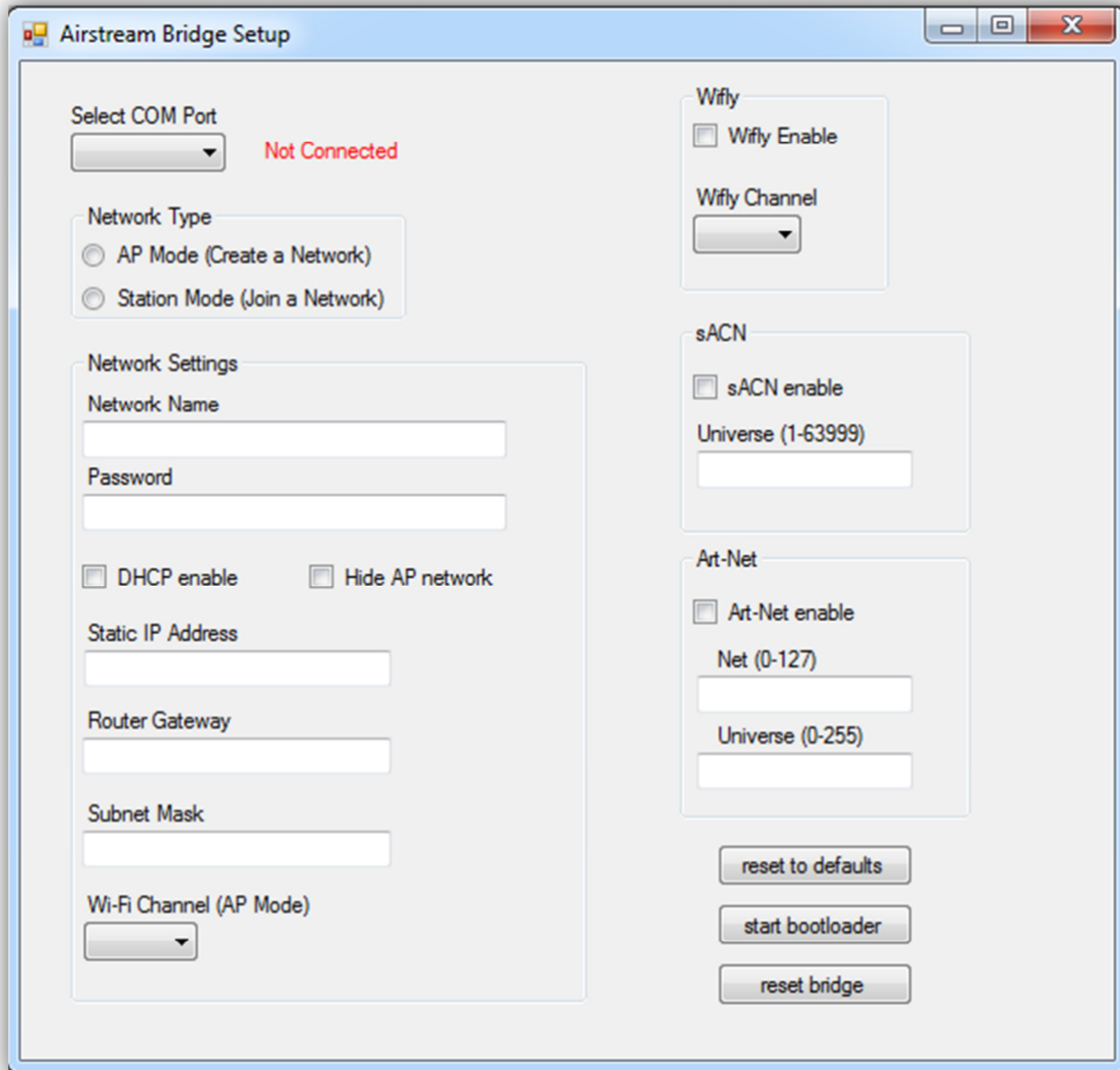# Airstream Bridge Setup Instructions

Airstream Bridge Setup is a Windows application to configure the Airstream DMX Bridge. In order to use this application your Airstream DMX Bridge must have firmware revision 3 or later installed. It will also help to have a basic understanding of how to set up a network.

The application connects to the bridge over USB. When you connect the bridge to a Windows PC for the first time, it will ask for a driver. Use the USBUART_cdc.inf driver included in the folder that contains this application.

You can run the "AirstreamBridgeSetup" application directly from its folder. It should appear similar to the screenshot below with "Not Connected" shown here in the upper left. Since it is not yet connected, the fields are blank in this example.

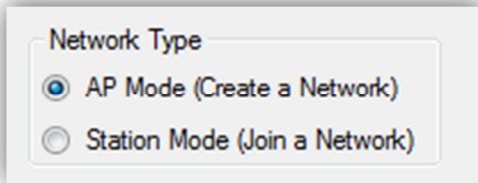With the driver installed and the bridge connected to your Windows PC you should be able to select the com port assigned to the bridge connection. In this example COM17 is the only port being used so is most likely the one assigned to the bridge.
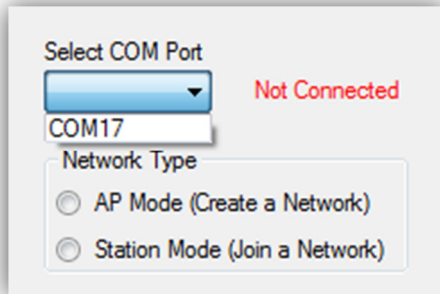
After you select the correct port the status should show "Connected" as in the example below. As you can see the fields are now filled in with the current settings for the bridge.
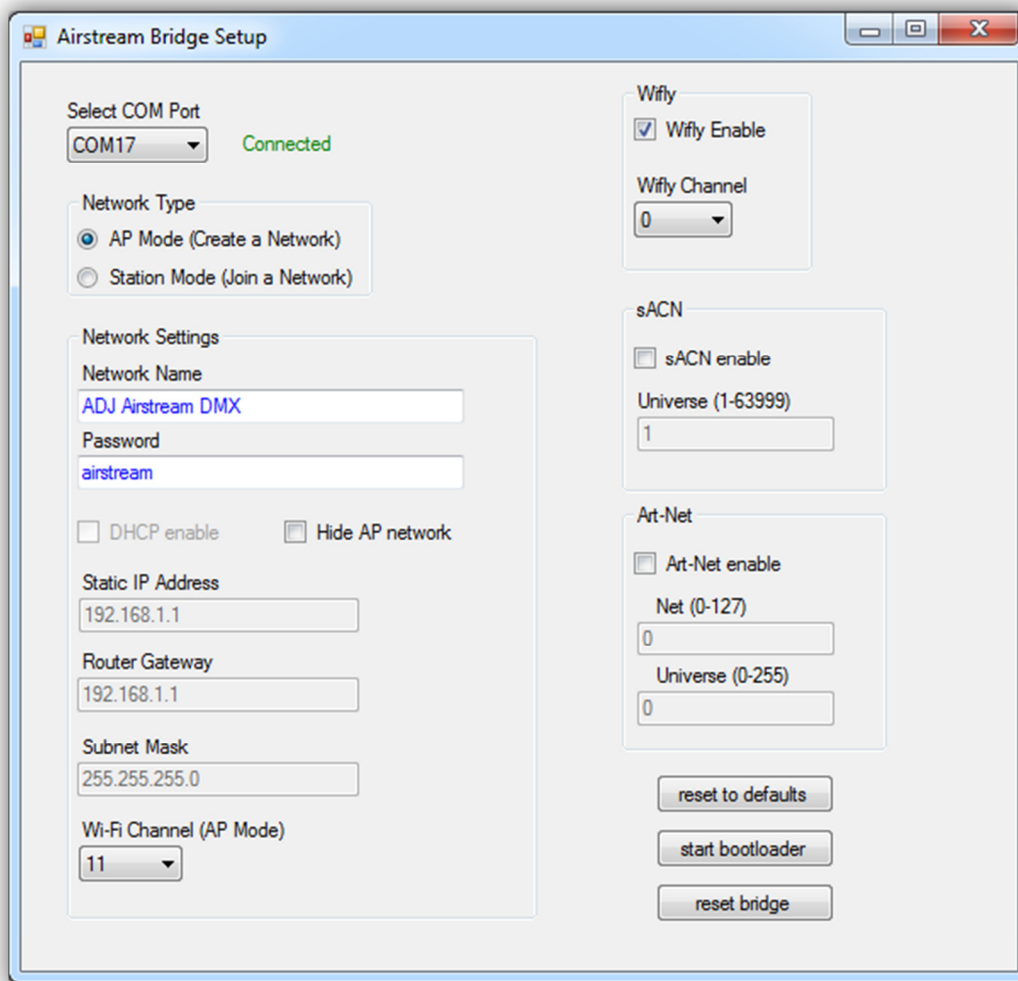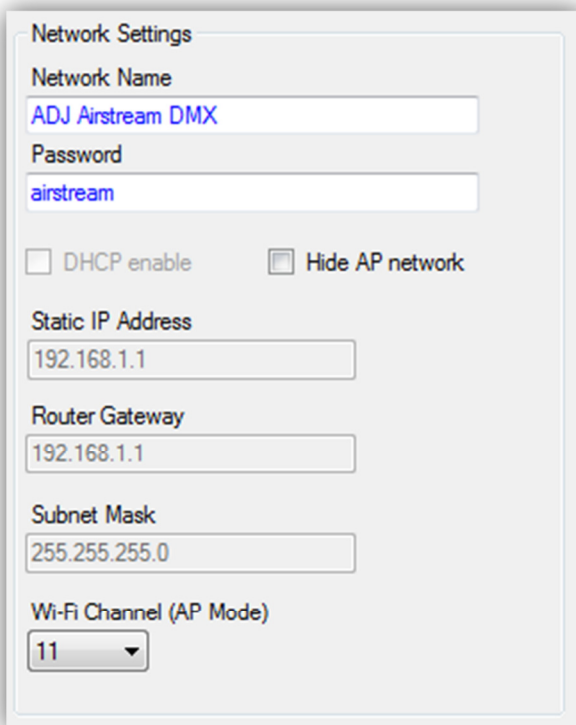
The network type that you select will affect which settings are available when configuring the network. Selecting AP or "access point" mode will allow the bridge makes its own network and act as the router. Selecting station mode will allow the bridge to join an external router and network.

In AP mode you must choose a name and password for your network. The default name and password is shown in the example below. Up to 32 letters, numbers and spaces are allowed for the name and 16 for the password.
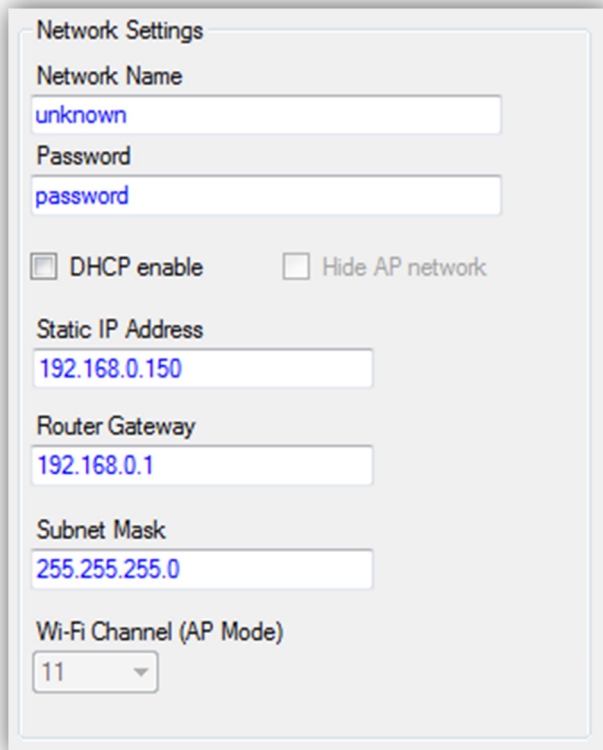

The settings in AP mode that you can modify are "Hide AP Network" and "Wi-Fi Channel". The other settings either don't apply or are fixed in AP mode.

If you check the "Hide AP network" box, the bridge will not send out an advertising beacon so that it won't appear in a network list on someone's device that is in range. This is useful if you don't want others to be aware of your lighting network.

You can also select the Wi-Fi channel to find the least used channel in your area.

If station mode has been selected, you must enter the name and password of the network that you want to join. Up to 32 letters, numbers, spaces and the special characters !#$%&()*+./:;<=>?@^_`{}|~- are allowed.
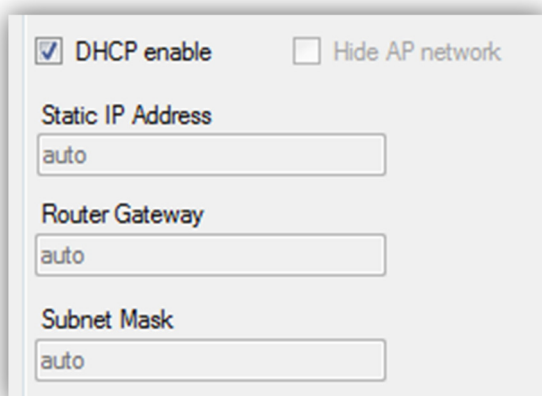
You can manually enter the IP address or use DHCP (allows the router to assign an address). It's easier to let the router do this to avoid address conflicts on the network but in some cases you will want to control the address assigned to the bridge. If you manually assign the address, be sure to choose an address that is not already in use on the network that you plan to join. The Gateway and Subnet mask must also match the settings on the router.

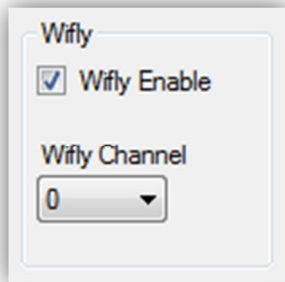Wi-Fi Channel will be set by the router.
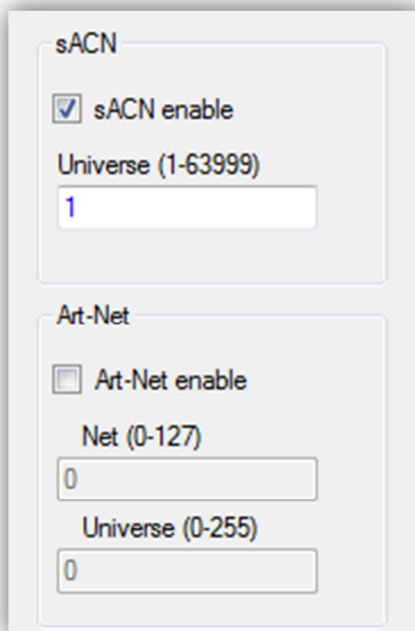
If you are using ADJ Wifly enabled fixtures, you can enable Wifly here and set the radio channel. The channel must match your ADJ Wifly fixtures. Try to use a channel at least several steps away from the Wi-Fi channel if you are running in AP mode. If you are only using the wired DMX512 output, turn Wifly off.
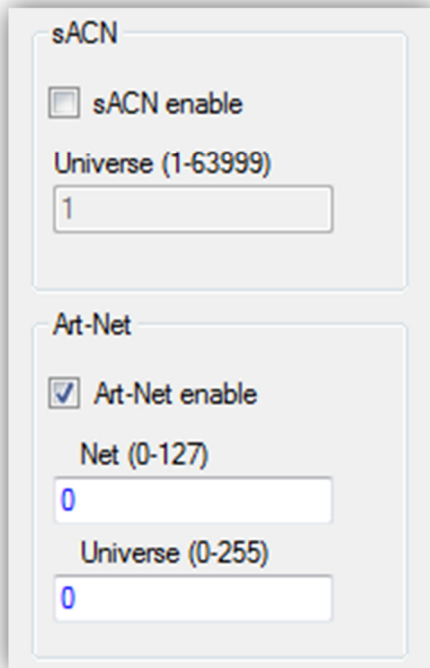

If you are using the streaming ACN protocol with your lighting software, enable it here and select the universe number. The bridge can only respond to one protocol at a time, either sACN or Art-Net. You can use sACN in AP mode or station mode. If running in AP mode, your wireless platform will have to join the bridge network in order to send to this sACN node.

If you are using Art-Net, enable it here and select the Net and Universe number. The bridge supports Art-Net 3 in unicast mode. You can use Art-Net in AP mode or station mode. If running in AP mode, your wireless platform will have to join the bridge network in order to connect to this node.
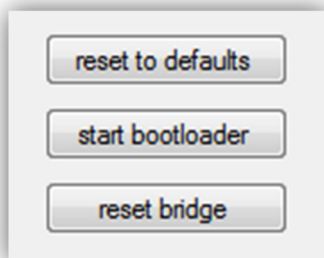

There are three buttons in the lower right. The top button will reset the bridge to its default settings. The second button will put the bridge into bootloader mode so that you can update the firmware and the bottom button simply resets the bridge, same as cycling the power.

Important Notes:

When the bridge powers on in AP mode the LED will flash one time when the network is established. When powering on in station mode the LED will flash two times if it is able to find and join the network. If the bridge is unable to connect to the network, the bridge will revert back to AP mode and establish its own network.

If using the Airstream DMX app with the bridge running in station mode, the app will need to know the IP address of the bridge. In the app's advance settings view, you can enter the IP address of the bridge in order for the app to find and connect to the bridge.

Information and specifications in this document are subject to change without notice. ADJ Products and KMX Inc. assumes no responsibility or liability for any errors or inaccuracies that may appear in this manual.

ADJ Products
6122 S Eastern Ave.
Los Angeles, CA. 90040
323-582-2650
Web site: www.adj.com
Email: Info@adj.com

A.D.J. Supply Europe B.V.
Junostraat 2
6468 EW Kerkrade
Netherlands
service@adj.eu / www.adj.eu
Tel: +31 45 546 85 00 / Fax: +31 45 546 85 99