Luminair

Configuring Apple AirPort Express® (2nd-generation)
for use with Art-Net or sACN to DMX interfaces

SyntheFX
Configuring AirPort Express (3rd generation)

Note: These steps apply only to AirPort Express (2nd-generation), with dual ethernet ports. Please see the downloads page on our web site at http://synthe-fx.com/downloads for instructions for earlier generation Airport Express units. These instructions can also be used with Apple’s latest generation AirPort Extreme units.

Setting up Apple’s newest AirPort Express (2nd-generation) for use with Art-Net or sACN to DMX interfaces is a very simple process. With the router in it’s default state, simply plug one end of an ethernet cable into the Local Ethernet Port on the Airport Express (show below), and the other end into the ethernet port on your DMX interface.

The next step, with your AirPort Express powered on in it’s default state, is to connect and configure the router from your iOS device, described in the next section.
AirPort Utility app for iOS devices

The first step when configuring your AirPort Express from an iOS device is to download and install Apple’s AirPort Utility app from the App Store directly on your iOS device.

Download Directly at the following link:  App Store - AirPort Utility

Before opening the AirPort Utility app, the next step is to open up the main iOS Settings app, and select the **Wi-Fi** option. In the view that appears, you should see your AirPort Express unit listed in the section **Set up an AirPort Base Station**, as long as it’s in a default state. Go ahead and select it.

![iOS Wi-Fi Settings](image)

**Note:** A view will appear for a few moments as it gathers information about your network. If you are presented with a screen that asks if you want to extend an existing network, choose **NO**, because in this case you will want to create a **new** network.
In the Create a New Network screen, go ahead and enter a name for the Network and for the router(device) name, as well as a password. We entered **Art-Net** for the network name, and **AirPort Express** for the device. Then tap **NEXT**. On the the following screen, keep **Guest Network** turned to **OFF**, and tap **NEXT** again.
The next view that appears will tell you that it’s setting up the AirPort Express. This can take a couple of minutes, it’s normal. After it’s finished setting this part up, you will see the following screen if you haven’t connected the router to the internet WAN port. Go ahead and tap the NEXT button, and in the dialogue that appears tap “Continue Anyway”.

The next view that appears will tell you that it’s setting up the AirPort Express. This can take a couple of minutes, again it’s normal. After a couple of minutes, your iOS device should connect and you’ll should see a screen informing you that the network is now available.
The next step is to open the AirPort Utility app on your iOS device. You will see a screen like the following.

If you haven't connected this particular AirPort Express to the internet through the WAN port (pretty common if you are just using the router as a dedicated unit for Luminair), you may notice that there's 3 “Status/Warning Messages” listed next to your AirPort Express, and the status LED is lit-up orange. To disable these warnings, tap on your AirPort Express, and in the view that appears, tap on the “Status Messages” item.

In the “Status Messages” view that appears, you will see each warning listed, along with a switch used to disable the warning. For each warning, go ahead and turn the “Ignore this issue” option to ON. Note that the AirPort Express will restart after disabling each warning, so you will need to reopen the Status Messages view again after each restart to disable the next message. After the final warning is disabled, your AirPort Express status LED should light up green.

See the screenshots on the following page.
Finishing Up

Congratulations, your AirPort Express has successfully been set up for use with Luminair and Art-Net and sACN to DMX interfaces. Please continue to the next section for required instructions regarding assigning proper IP addresses to your iOS device and DMX interface.
iOS Device Wi-Fi Settings

We recommend allowing the AirPort Express to assign an IP address to your iPad, iPhone, or iPod touch through DHCP, which is the default connection method. You shouldn’t need to change these settings in most scenarios.

Art-Net or sACN node IP address

In addition to setting up a proper IP address for your iOS device, you will also now need to change the IP address of your Art-Net or sACN node, using the Mac or PC configuration utility software provided by its manufacturer, so that Luminair can properly detect it on the network. You will want this IP address to be unique and to fall within the same range as the one assigned to your iOS device.

If you’ve followed this document exactly, you will most likely want to assign an IP address 10.0.1.201, because that’s the first available (non-DHCP) IP address not potentially being reserved by your AirPort Express. (The Airport Express and Extreme, by default, serve DHCP addresses from 10.0.1.2 through 10.0.1.200 to connected clients).

In the example below, we use Enttec’s NMU software to assign an IP address of 10.0.1.201.