

## 1 Introduction

AudioScience is enhancing its product offerings with CobraNet® capability. The ability of CobraNet to support networked audio is outlined in more detail here <http://www.peakaudio.com/CobraNet/Background.html>. CobraNet provides an extremely flexible methodology for routing audio between many CobraNet devices on a network. However, making these connections “by hand” is tedious at best. ASIRoute is an AudioScience application that has been designed to simplify the process of connecting audio streams between various CobraNet devices on a network.

## 2 Basic layout

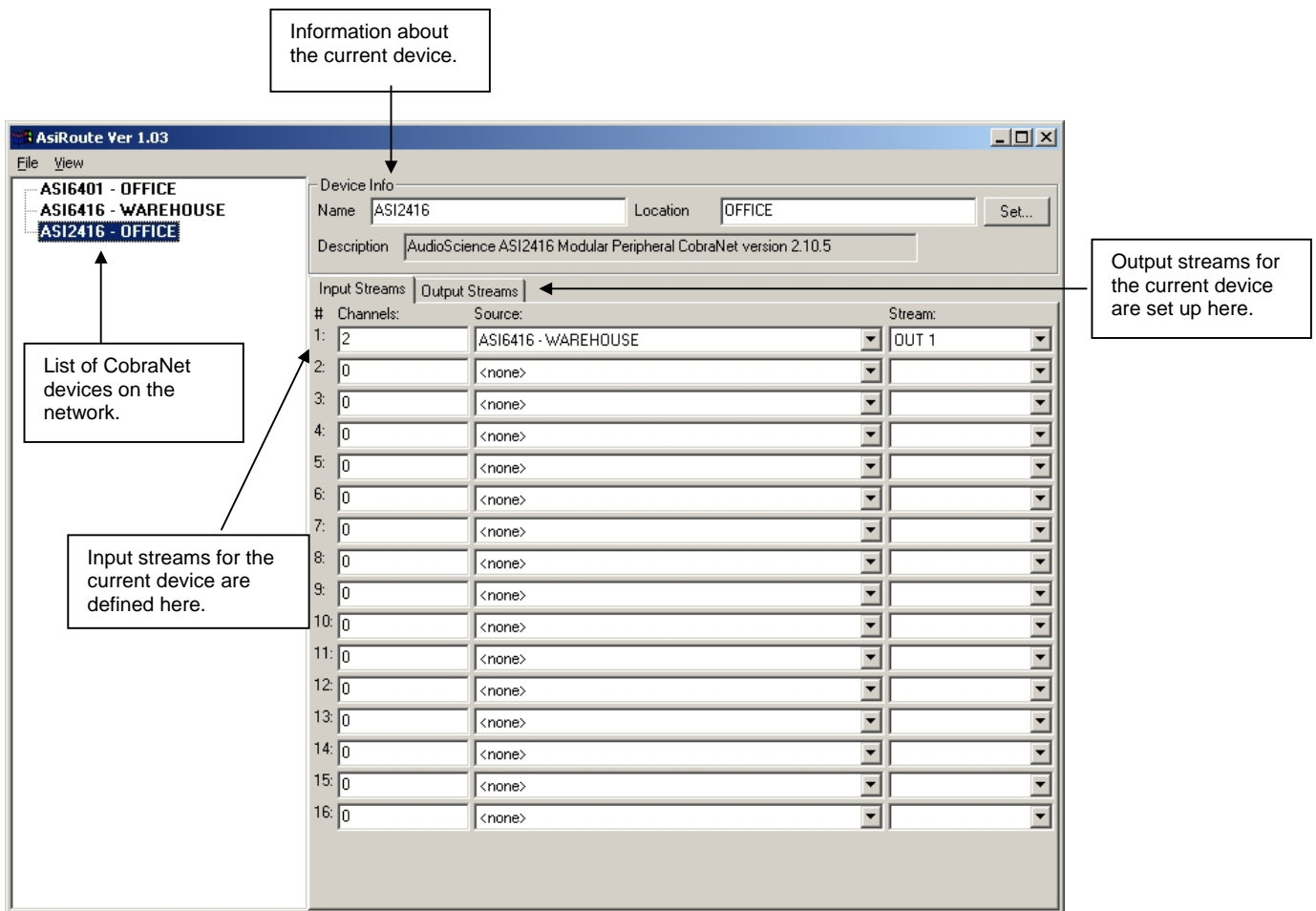


Figure 1. A view of the ASIRoute GUI.

ASIRoute provides the screen interface shown in Fig. 1. One can see that there are three main areas on the screen. The left most pane provides a tree list of CobraNet adapters that ASIRoute “found” on the network. The user selects the device of interest in this pane and the details are displayed on the right side.

### 3 Device Information

Fig 2. shows an enlarged view of the Device Info panel.

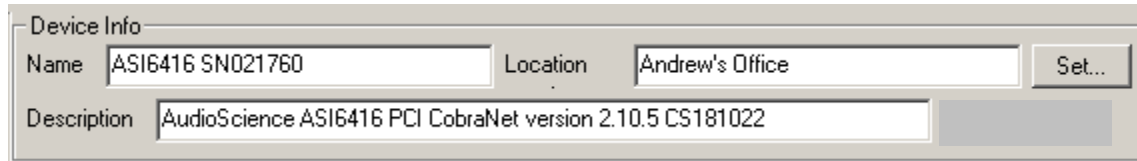


Figure 2. The ASIRoute Device Info panel.

Most of the fields are self-explanatory. Both the “Name and “Location” fields may be edited and the new location saved by clicking the “Set” button. The persistence checkbox should be checked if the user wants the settings for this adapter saved between reboots.

### 4 Connecting Inputs and Outputs

ASIRoute is designed to make connections between inputs and “named” outputs. The first steps in making a connection is to make sure the output is set up and then to connect the input to it.

#### 4.1 Defining outputs

Outputs are defined as follows:

- Select CobraNet device to configure from device list.
- Make sure the output tab is selected.
- Select the number of channels from the Channels dropdown box. Edit the friendly name (max of 6 chars), or use default names, and click the Set button.
- Repeat until all required outputs are configured.

You should see something like that shown in Fig 3. Here we have defined 8 2-channel outputs with names OUT1-8. These output names in combination with the device name (ASI6416) are used for connecting to inputs.

Note that output channels are used in order as output stream definitions are added. To start over, or release the channels for one stream, set the channels selection to 0 and click the 'Set' button.

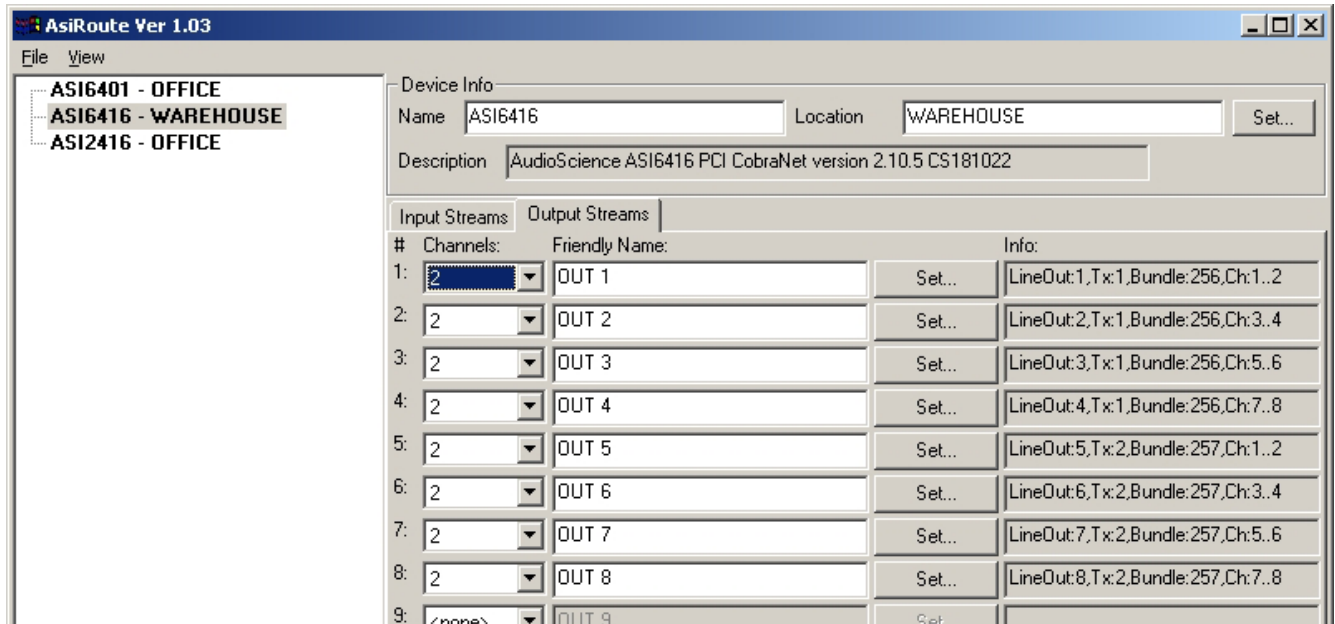


Figure 3. An example of output stream definitions.

## 4.2 Specifying an Input

This step connects an input to an output. Steps are as follows:

- Select CobraNet device to configure from device list.
- Click the “Input Streams” tab.
- From the “Source” dropdown box select the source device.
- From the “Stream” dropdown box select the named output stream on the selected device to connect to.
- Repeat above for all desired inputs.

Final result should be similar to that displayed in Fig. 4.

Similarly to the output stream definitions, the input channels are assigned in order as connections are made. To clear input channel assignments, set each input source to <none>.

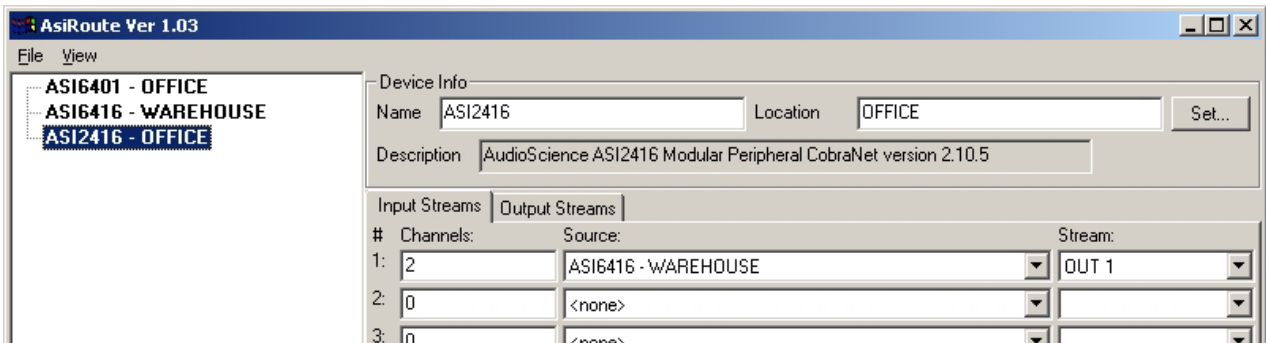


Figure 4. An example of an input stream definition.

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