Authorize HSQ 6000/6200 Series Module

Overview

These instructions are meant for HSQ internal use only.

When modules are delivered from Advantech they are locked and must be authorized before they can be delivered to the customer.

NOTE: If you encounter problems connecting to a module, try temporarily disabling the firewall on your local machine.

Prerequisites

You must have the *Advantech Adam/Apax.NET Utility* installed on your local machine (i.e., the computer or laptop you intend to use to do the authorizing).

The utility can be downloaded from the HSQ server at: \\hsqsvr\rtu group\USERS\VC\ADAM

There is a .ZIP file (AdamApax.NET Utility V2.05.05.zip) and the HSQ6000CONFIG folder in the above folder. Copy the folder to your local drive (C:) and the ZIP file to an easy to find location on your local machine. Unzip the file and run "AdamApax .NET Utility V2.05.05.msi" (if applicable, you will need to run it as Administrator). This installs the utility on your local machine.

Connect the module to be Authorized to the network or directly connect a laptop to the module using an Ethernet cable (straight or crossover Ethernet cables may be used).

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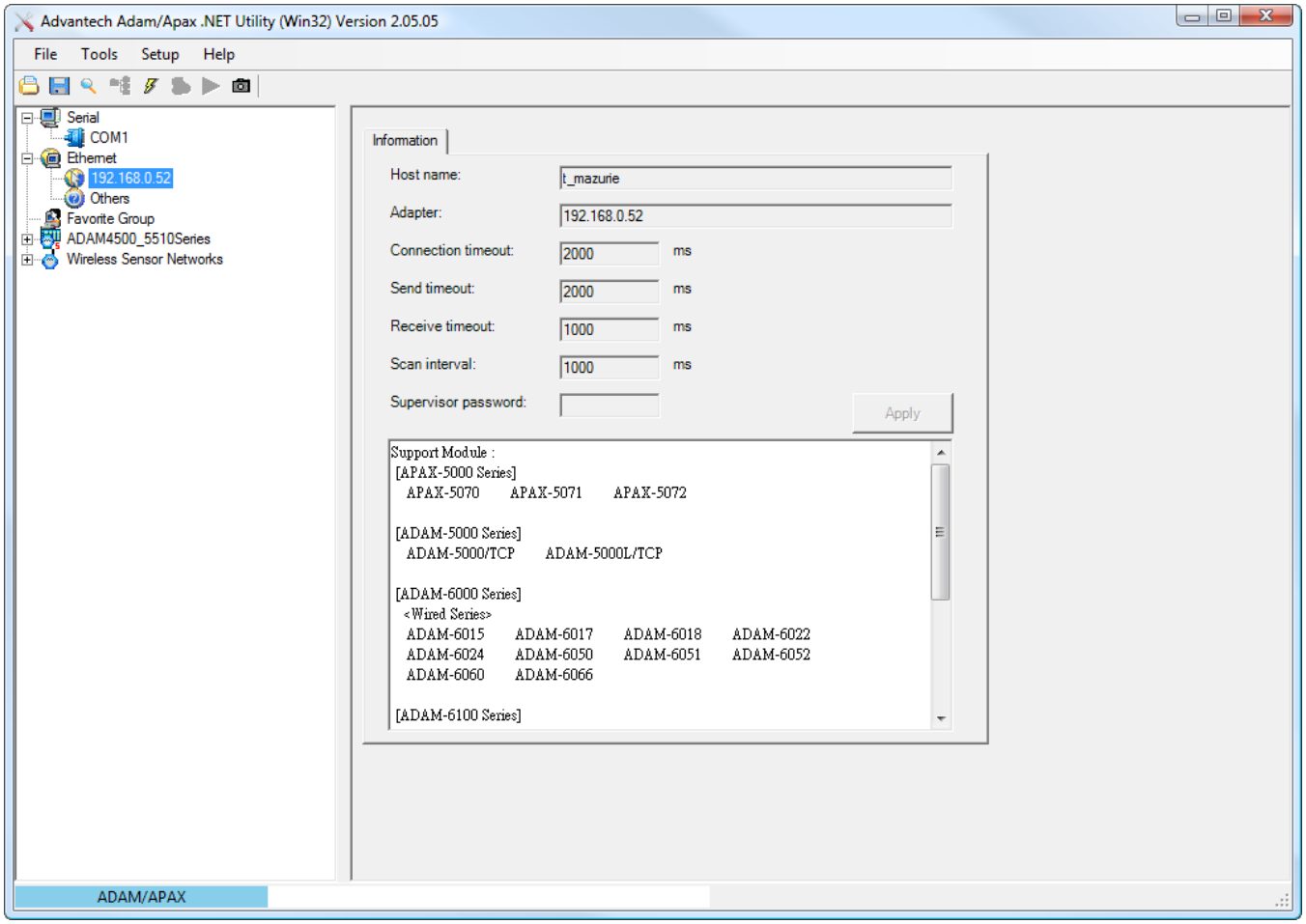
Procedure

Below are the steps required to make an HSQ 6000/6200 series I/O module ready for use by the customer (authorize):

1. Launch the Advantech Adam/Apax .NET Utility.
   Depending on your version of Windows, if you are not logged in as Administrator a User Account Control dialog box may open and you will need to enter the name of the Administrator account and password.



2. Select the IP address (under **Ethernet** in the left pane) that matches the adapter for your local machine. For example, 192.168.0.52.

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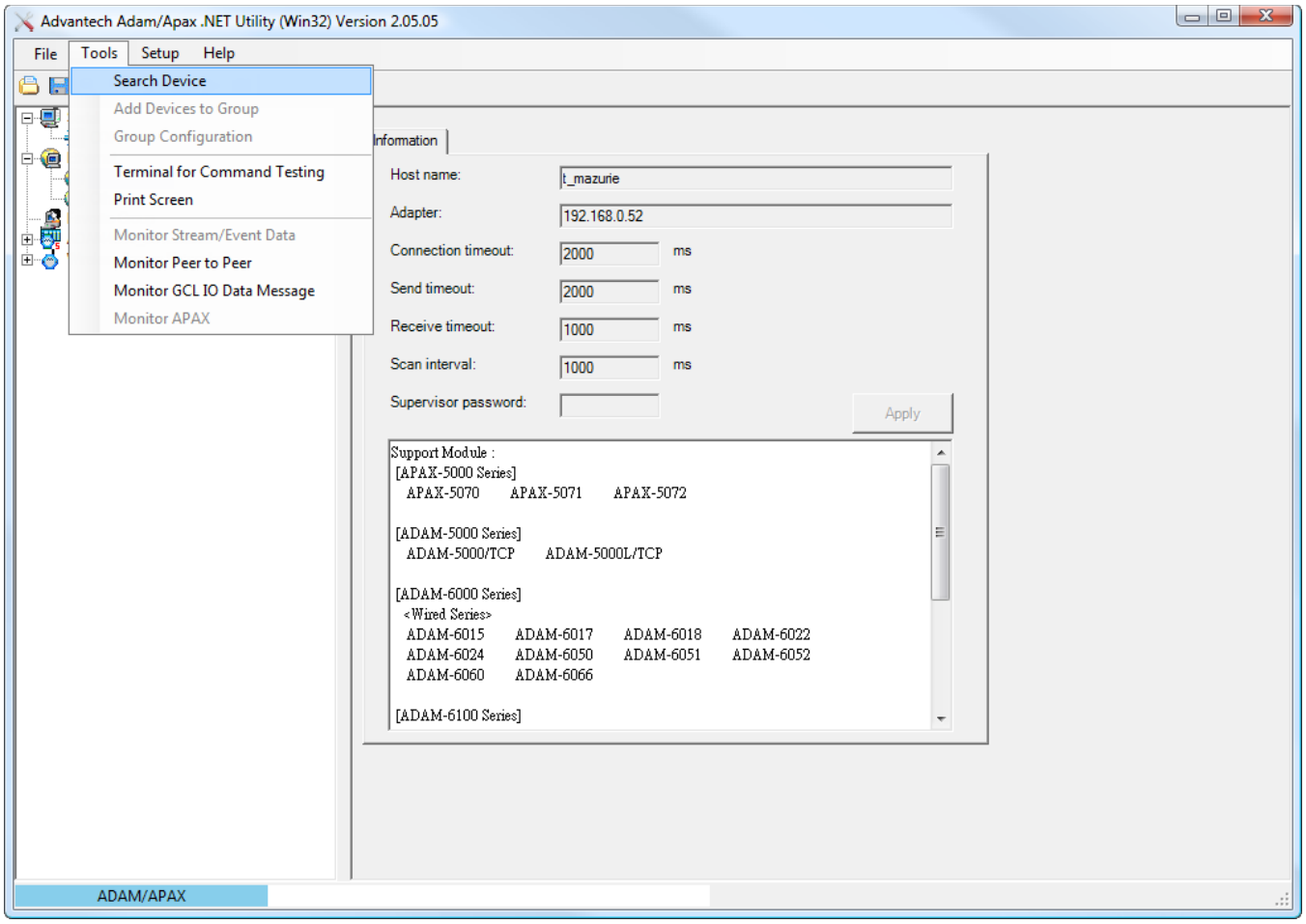

3. From the ***Tools*** tab, select *Search Device*.

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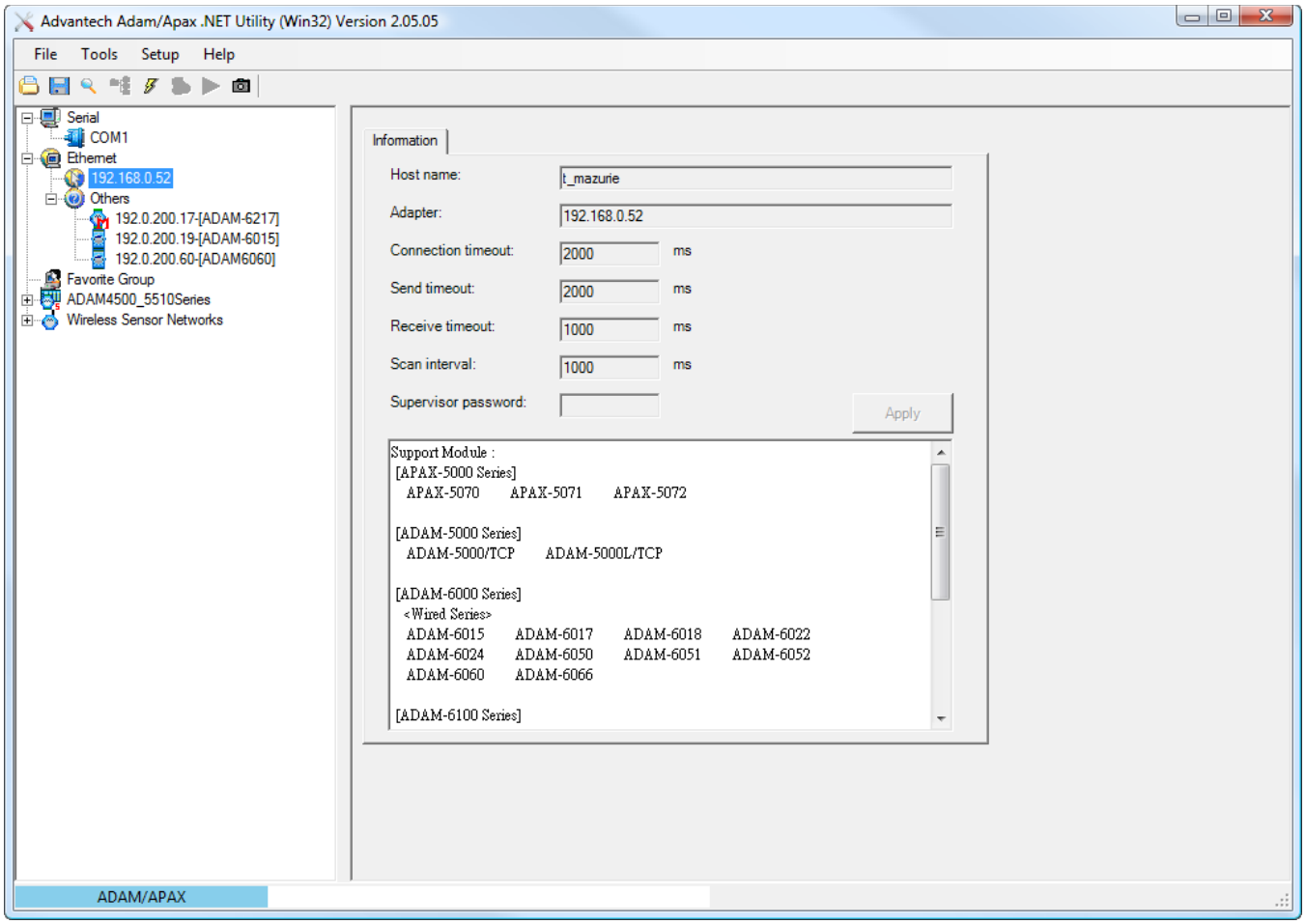

4. A listing of the modules connected to the network displays under the *Others* heading. This means that the modules are on the network but are in a different subnet. Note the module you want to Authorize and its IP address.
5. From the "HSQ6000CONFIG" folder, launch ***HSQ6000.exe***. This opens the HSQ6000-CONFIG utility.

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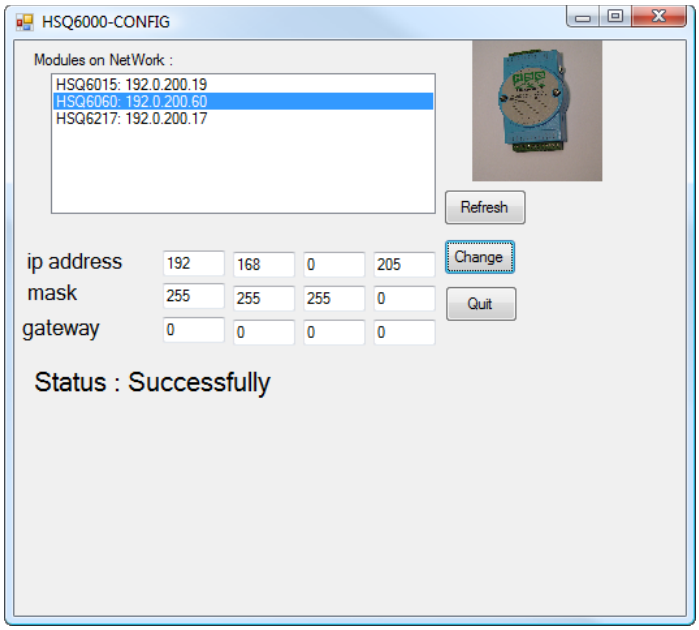
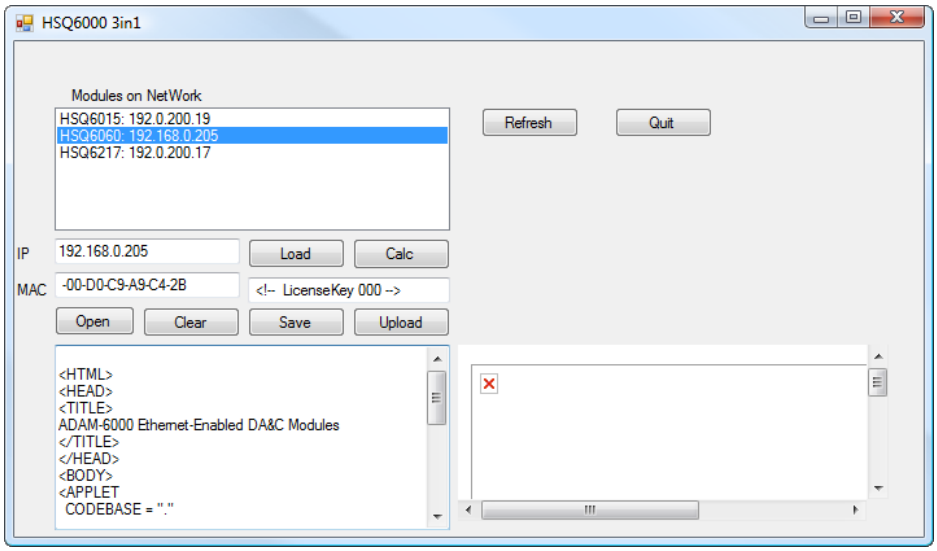


6. Select the module you wish to Authorize and note the current IP address. Change the second and third octets to the same subnet as your local machine (e.g., 168.0). Set the fourth octet to an unused IP address on the network (e.g., 205). Click the **[Change]** button to effect the change.
   Within the HSQ network 192.168.0.205 is typically not used. If you are unsure if an IP address is used, try pinging it.
7. From the "HSQ6000CONFIG" folder, launch ***HTLMEDIT.exe*** (sic).



8. Select the module that you want to Authorize (i.e., the one with the changed the IP address).

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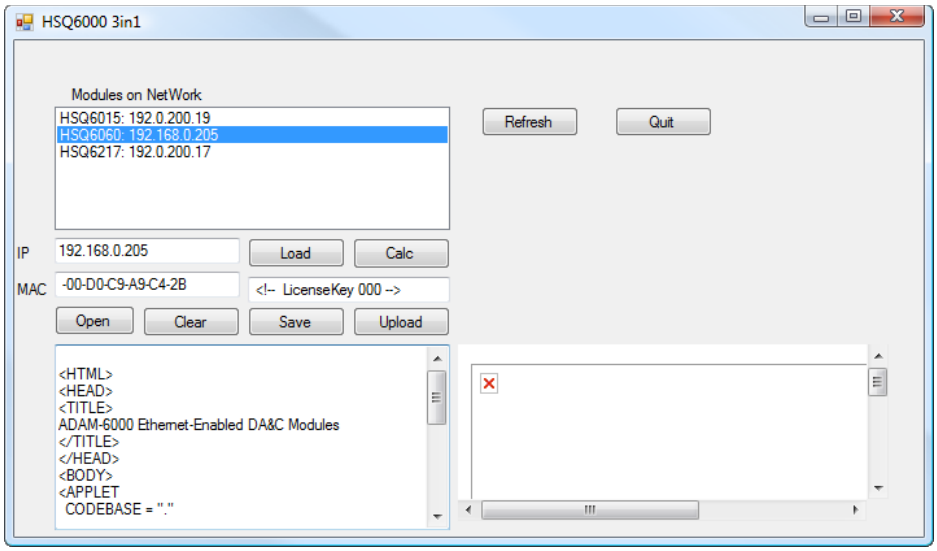
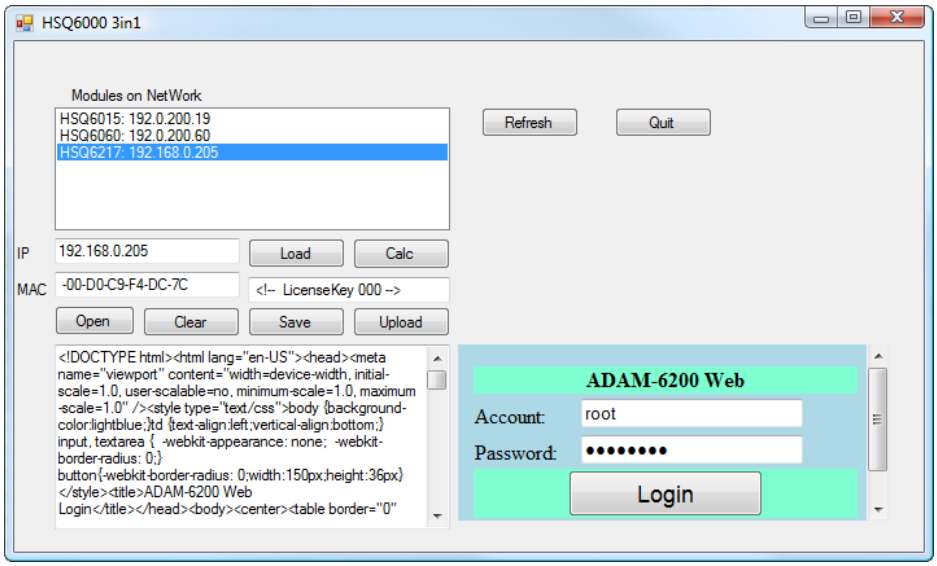


9. Click **[Load]**.

   NOTE: If a *User Account Control* dialog box pops up, click **[Cancel]**.



   a. If you are Authorizing a 6200 series module, there is an extra step that must be performed. After clicking **[Load]**, a dialog box within the *HSQ6000 3in1* utility will display. Enter **`root`** for the *Account* name and **`00000000`** (eight zeroes) for the *password* and click **[Login]**. These are the default factory settings for Account and Password.

      NOTE: Any error messages that display should be dismissed (click **[OK]**).

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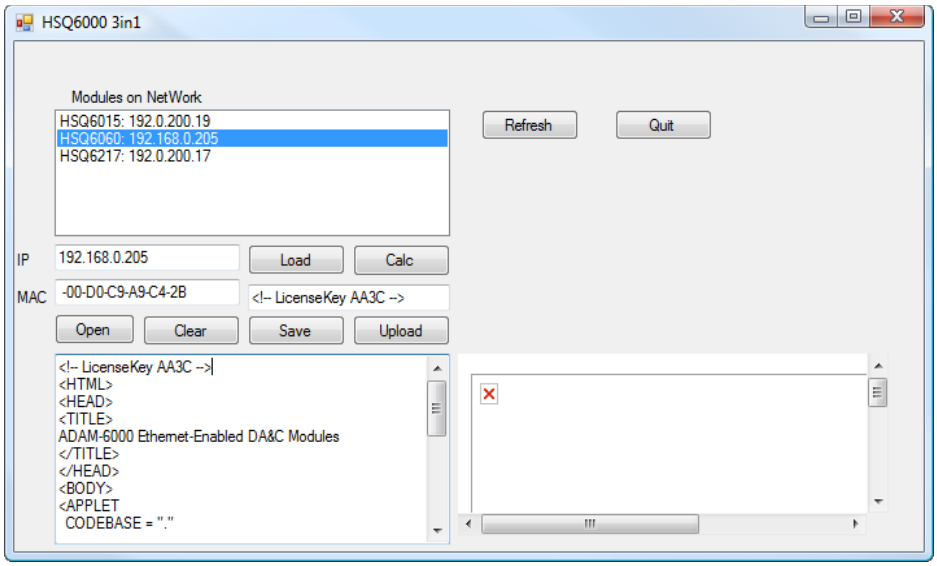
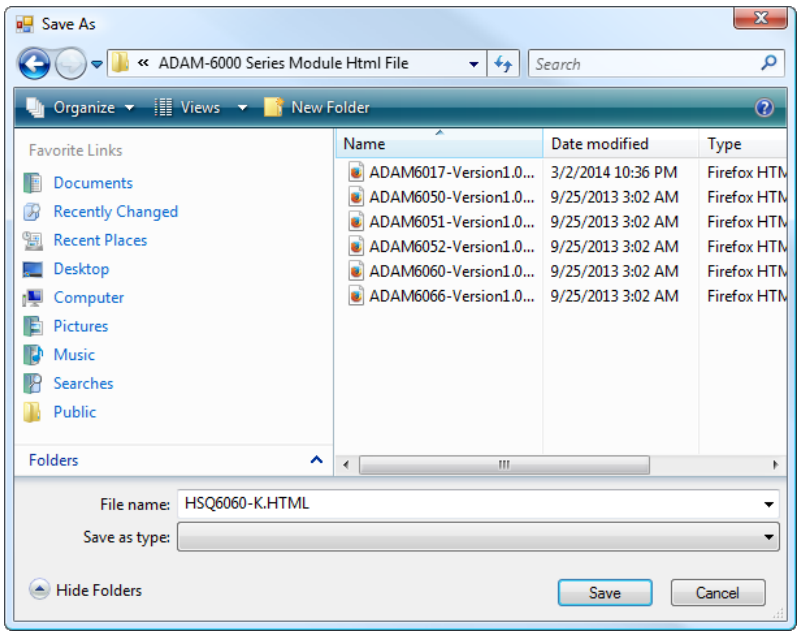


10. Click **[Calc]** to generate the License Key.
11. Copy the License Key (e.g., <!- LicenseKey AA3C ->) and paste it as the first line in the lower left area.



12. Click **[Save]**. When prompted, choose a location and give the file a unique name. In the case above, the file name is HSQ6060-K.HTML. Where "HSQ6060" denotes the model of module, "-K" indicates that the key has been added, and ".HTML" is the file extension.
    IMPORTANT! You must manually add the .HTML file extension.
    If you need to reload the configuration, click **[Open]** and navigate to the location where the HTML file was saved.
13. When you are finished with the configuration, open the HSQ6000-CONFIG utility (***HSQ6000.exe***) and return the IP address to its default. The 6000/6200 series modules come from the factory with the IP address of 192.0.200.xx (where xx is the last two digits of the model number).

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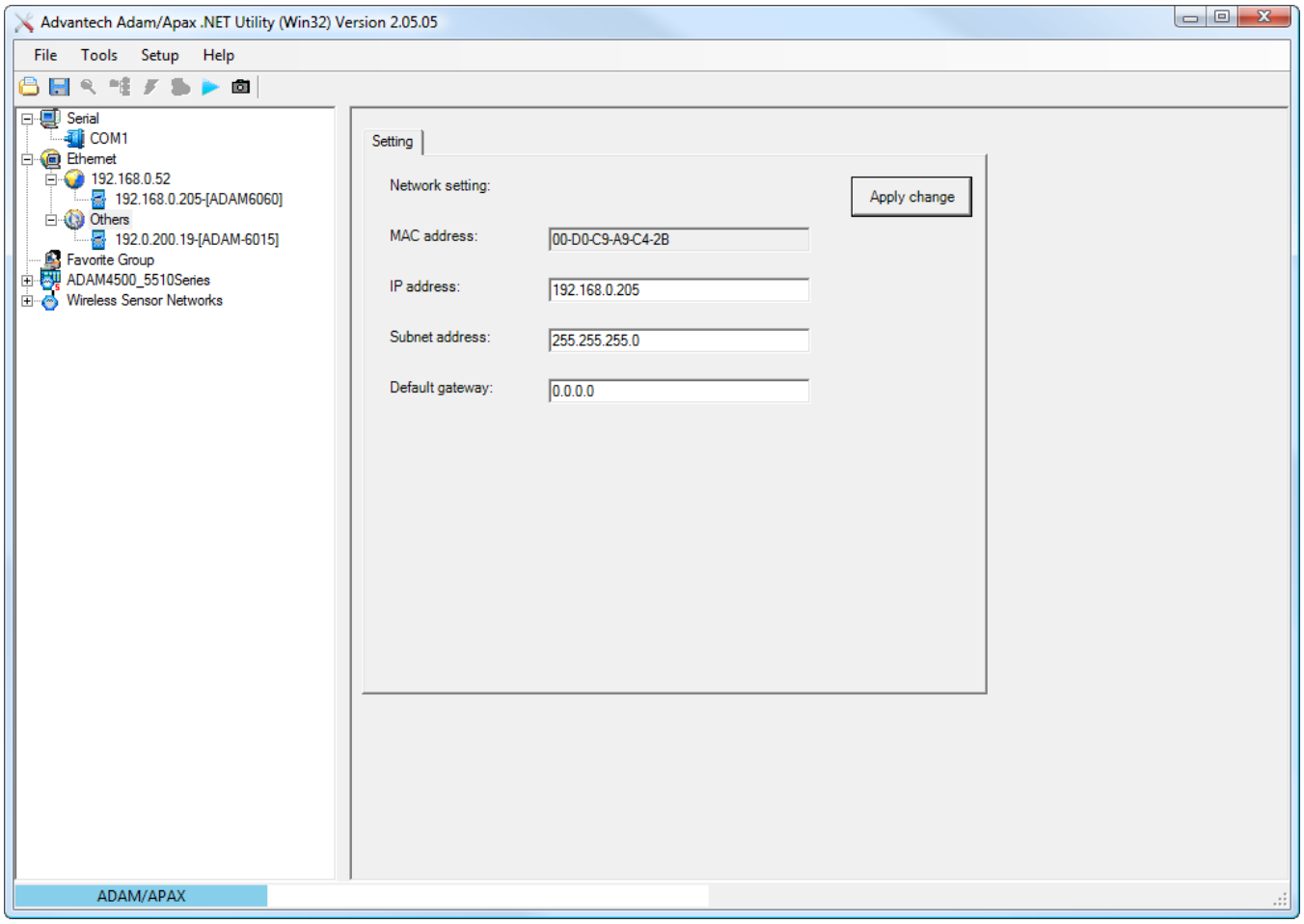
Restoring Defaults

If for some reason the configuration becomes irreparably corrupted, you can restore a module to its factory default setup. Within the \\hsqsvr\rtu group\USERS\VC\ADAM folder, there are two subfolders (*ADAM-6000 Series Module Html File* and *V1.04*). The *ADAM-6000 Series Module Html File* folder has the default files for each 6000 series module (6017, 6050, 6051, 6052, 6060, and 6066). The *V1.04* folder has the default files for the 6200 series (6217, 6224, 6250, 6251, 6256, 6260, and 6266).



Follow Steps 1 through 4 from above.

1. Select the module you wish to restore to its default. In the ***IP address:*** field, enter an IP address that is on the same subnet as the machine you are using to do the configuration (see Step 6 from above) and click the **[Apply change]** button.
2. Select the module in its new location (under the IP address of your local machine).

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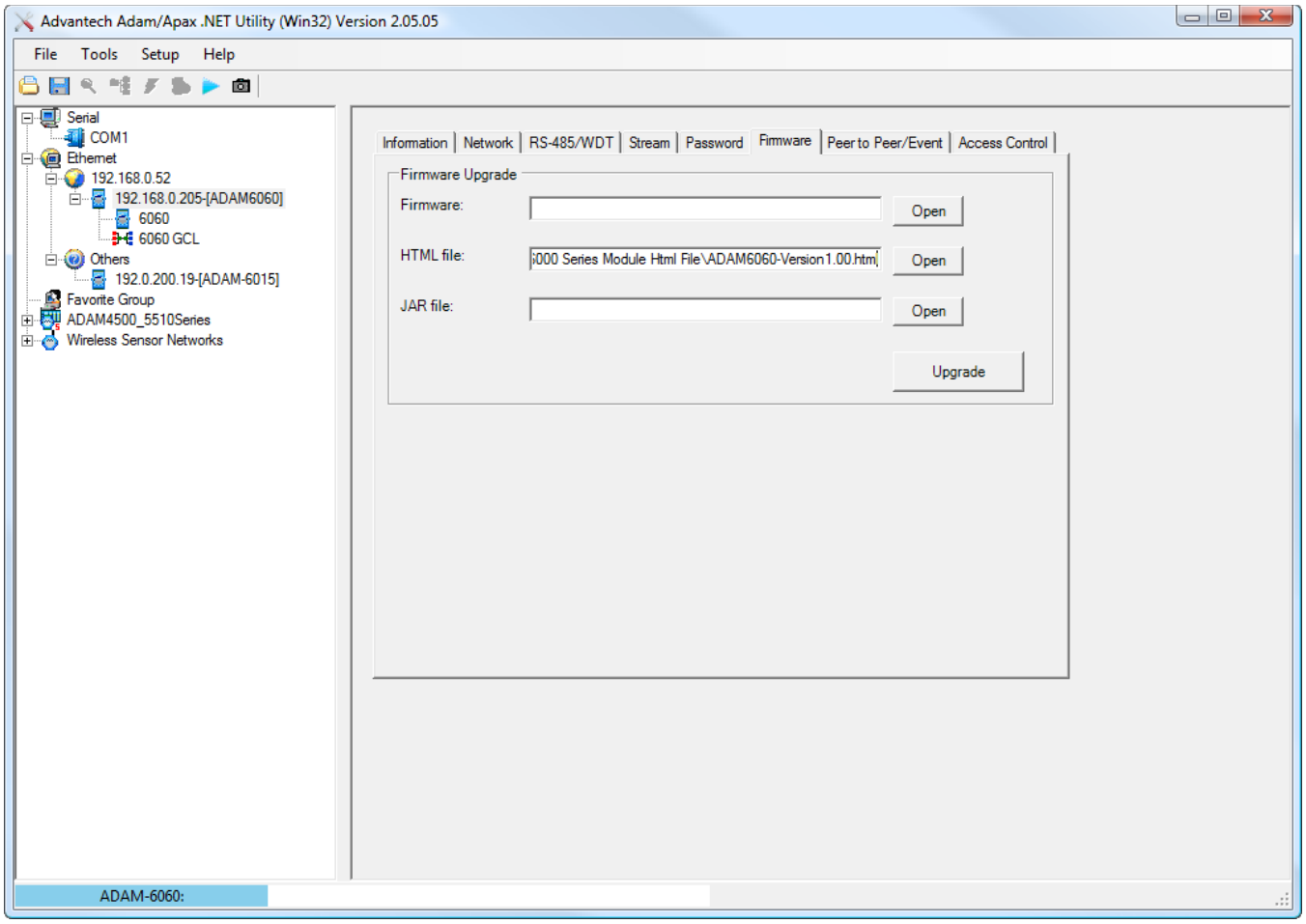
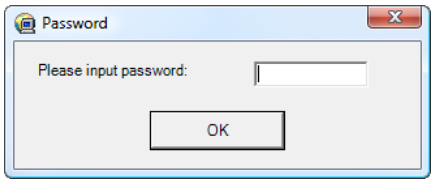


3. Select the ***Firmware*** tab.
4. Next to the ***HTML file*** field, click the **[Open]** button. Depending on the module, navigate to the appropriate folder (as described above) and select the HTML file that corresponds to the model number (e.g., *ADAM6060-Version1.00.html*).
5. Click the **[Upgrade]** button and then click **[Yes]** to confirm *Download file(s)?*.



6. Enter the password (eight zeroes) when prompted. A dialog box will display confirming that the file was successfully downloaded.
7. Return the module to its default IP address. Select the ***Network*** tab and enter the default (e.g., 192.0.200.60) in the ***IP Address*** field and click the **[Apply change]** button.
8. Enter the password (eight zeroes) and click **[OK]** (twice).

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