Quick Start Guide

Hello, and welcome to IRIS-Net software. We want you to get the most from your IRIS-Net projects and encourage you to explore the additional Read-Me and Help documentation provided with your software. This Quick Start Guide is intended to help you get comfortable with basic IRIS-Net setup and programming and outline good project creation practices.

For additional information, please consult the Read-Me and Help documentation or contact Electro-Voice or Dynacord technical support.

This guide is divided into the following chapters:

This is the recommended sequence for creating an IRIS-Net amplifier project, and following this sequence will make project creation easier. For additional details on any of these subjects or features not covered by this document, please consult the IRIS-Net Help file.

1. Installing IRIS-Net

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Important: Do not connect the UCC1 to your PC until you have installed IRIS-Net! The USB driver you will need is included with the IRIS-Net installation.

You may have received IRIS-Net on a CD-ROM or downloaded it from the IRIS-Net website. Find the Installation .EXE file and double-click this file to begin installation. Follow the Wizard's instructions by clicking "Next".

It is strongly recommended that you install IRIS-Net into the default directory path. The Installation file will install the following:

- IRIS-Net software
- UCC1 USB driver
- IRIS-Net Help file
- IRIS-Net Read-Me file
- An IRIS-Net Desktop shortcut
- Example IRIS-Net projects

Additional details on the IRIS-Net directory structure and subfolder contents can be found in the IRIS-Net Help File.

2. Installing the UCC-1

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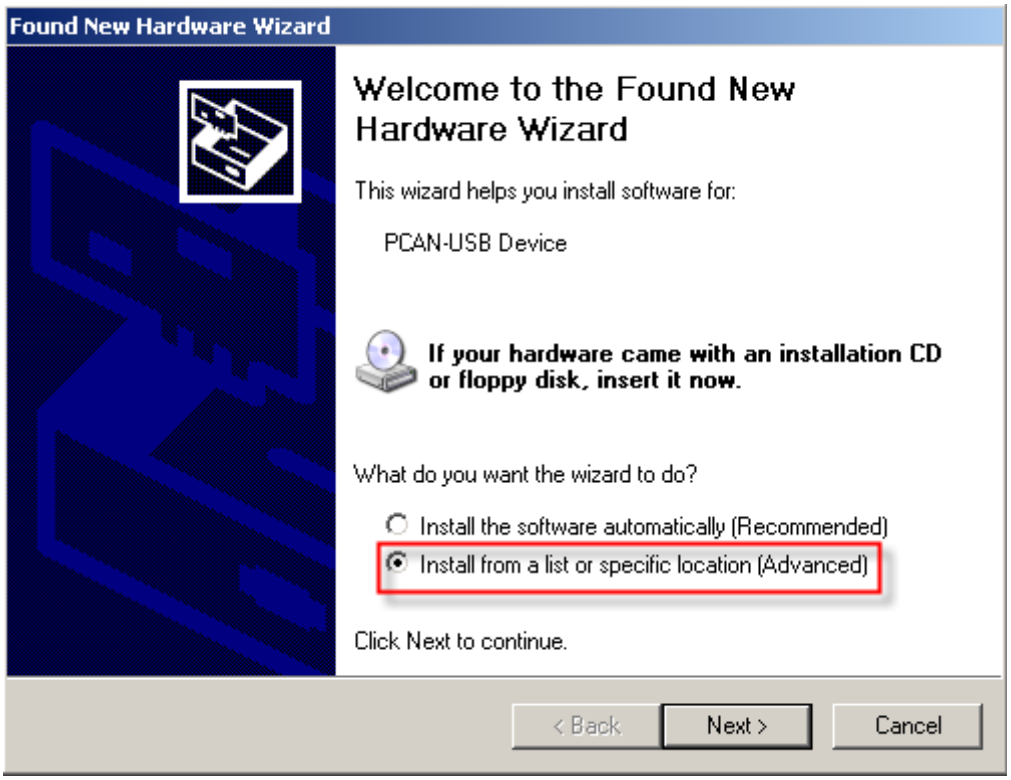
After installing IRIS-Net, you are ready to install the UCC1.

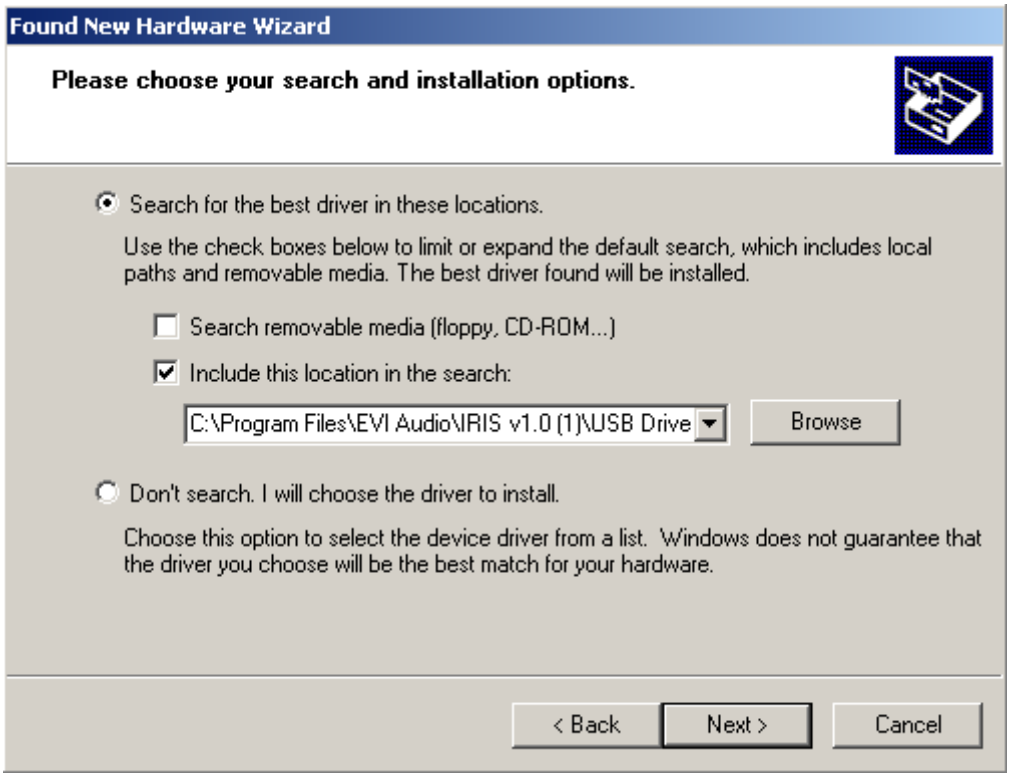
1. Connect the UCC-1 to an open USB port on your PC.
2. The Windows New Hardware Wizard will launch.
3. Select "Install from a list or specific location" and click "Next".



4. Check “Include this location in the search:”, and click the “Browse” button to navigate to the proper folder. The USB driver is in the following directory:

C:\Program Files\EVI Audio\IRIS-Net\Driver\PEAKCAN

Click “Next”.



5. The Wizard will install the UCC1 driver. Click “Finish” to complete installation.

You will now see the status LED on the UCC1 come on solid. You can now continue the wiring and addressing of your amplifier system. Consult the IRIS-Net Help file for additional details on wiring and addressing.

3. Adding Devices to The IRIS-Net Project

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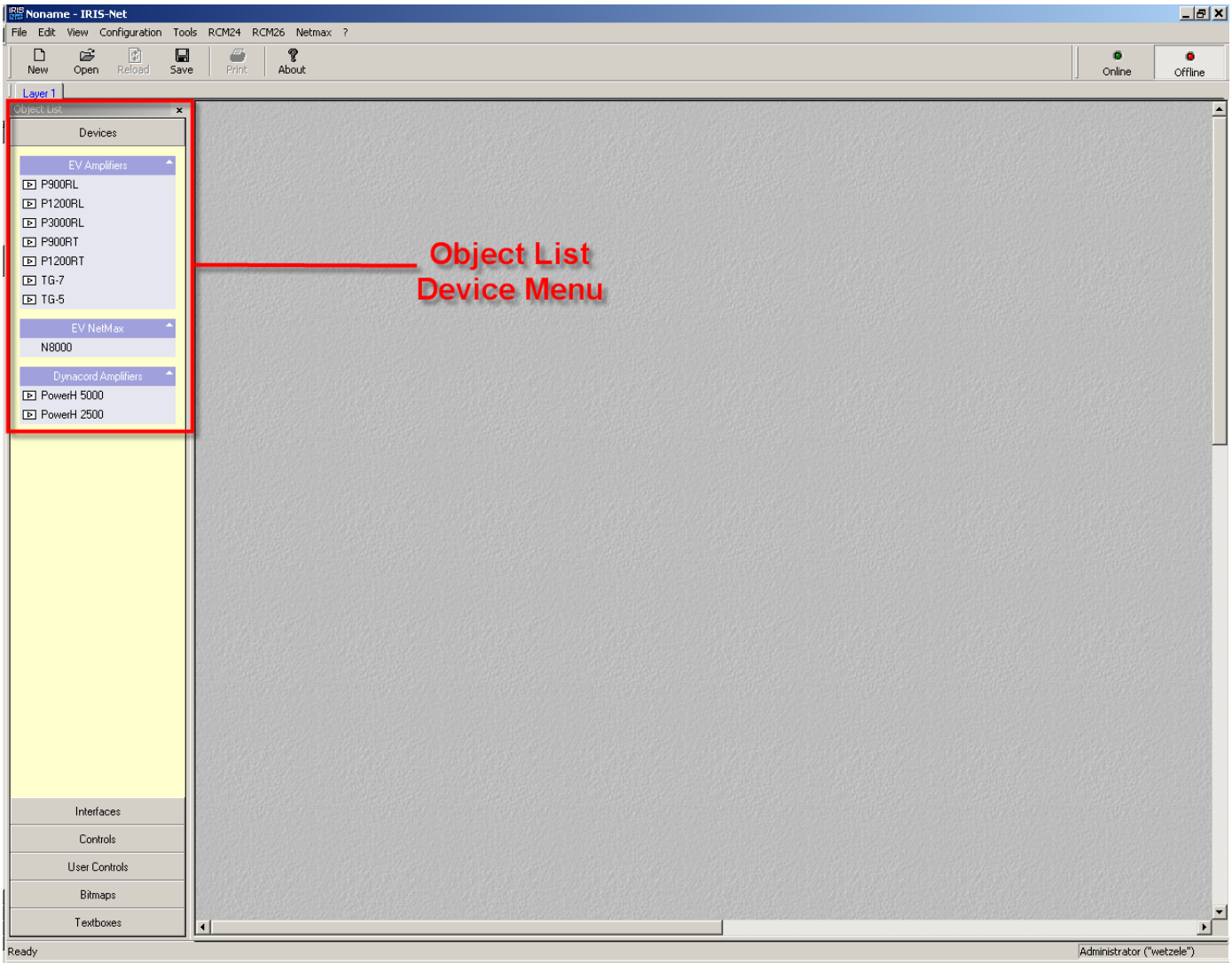
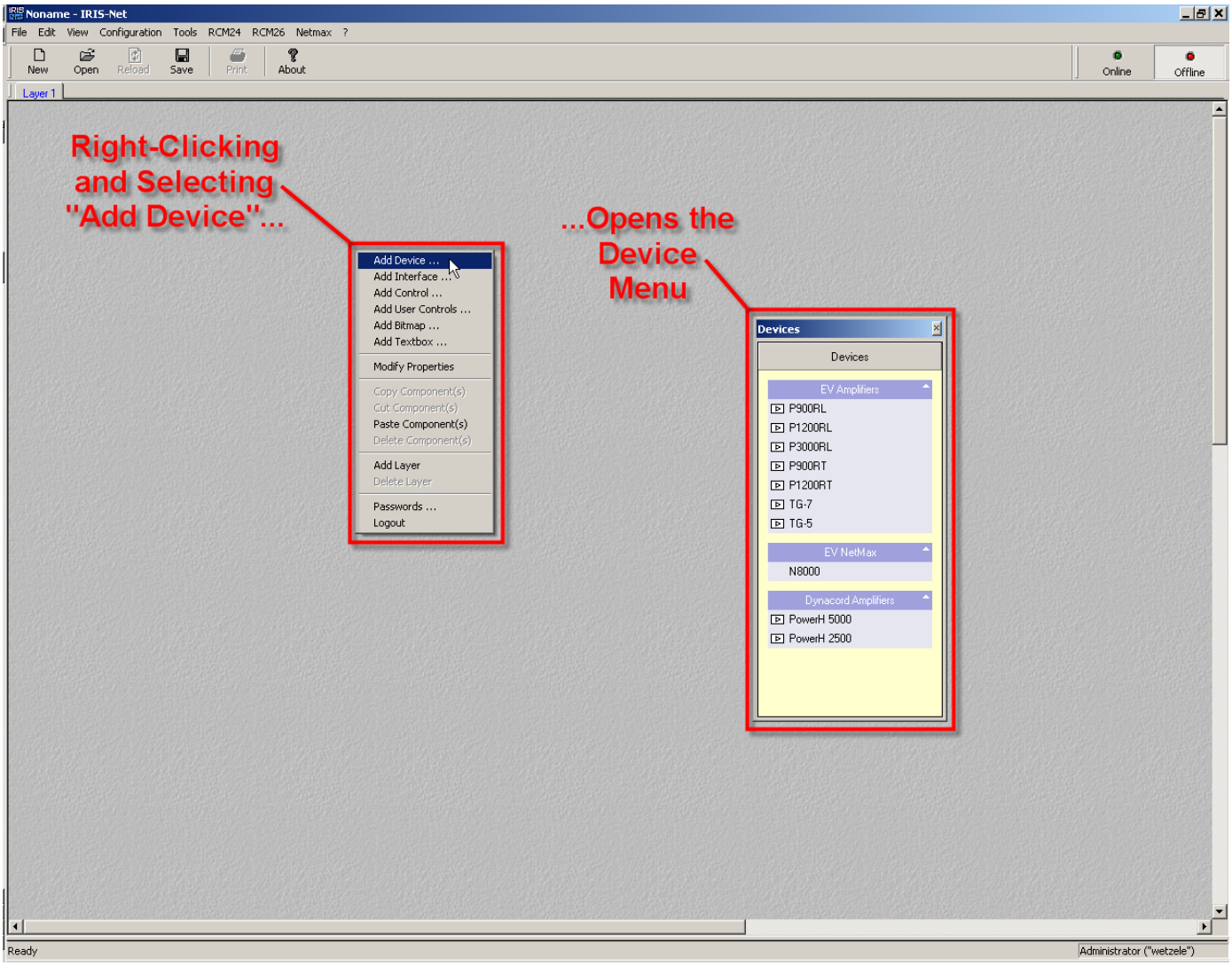
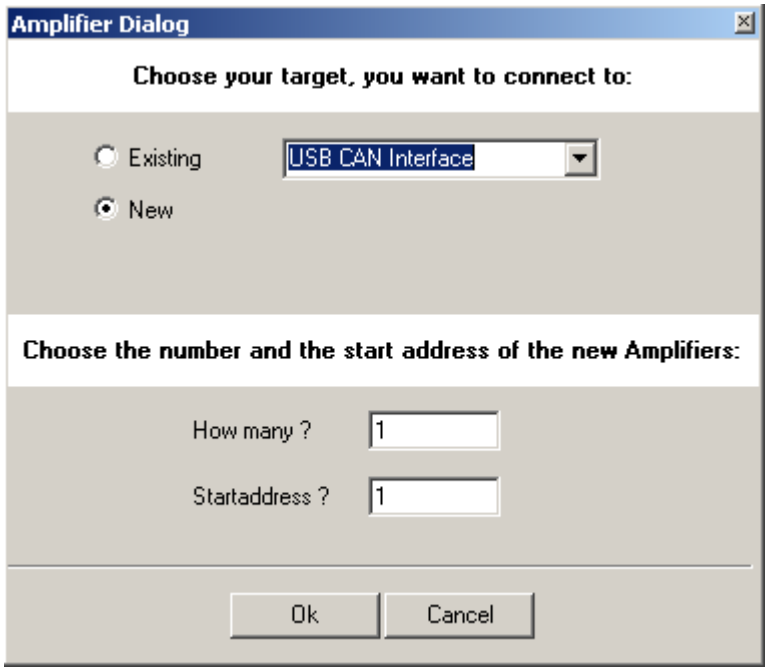
1. The first step to creating an IRIS-Net project is to add devices. A complete list of the available devices in contained in the Devices section of the Object List. The Object List will be displayed by default when starting a new IRIS-Net project and can be hidden or restored at any time from the View Menu in the IRIS-Net Toolbar.



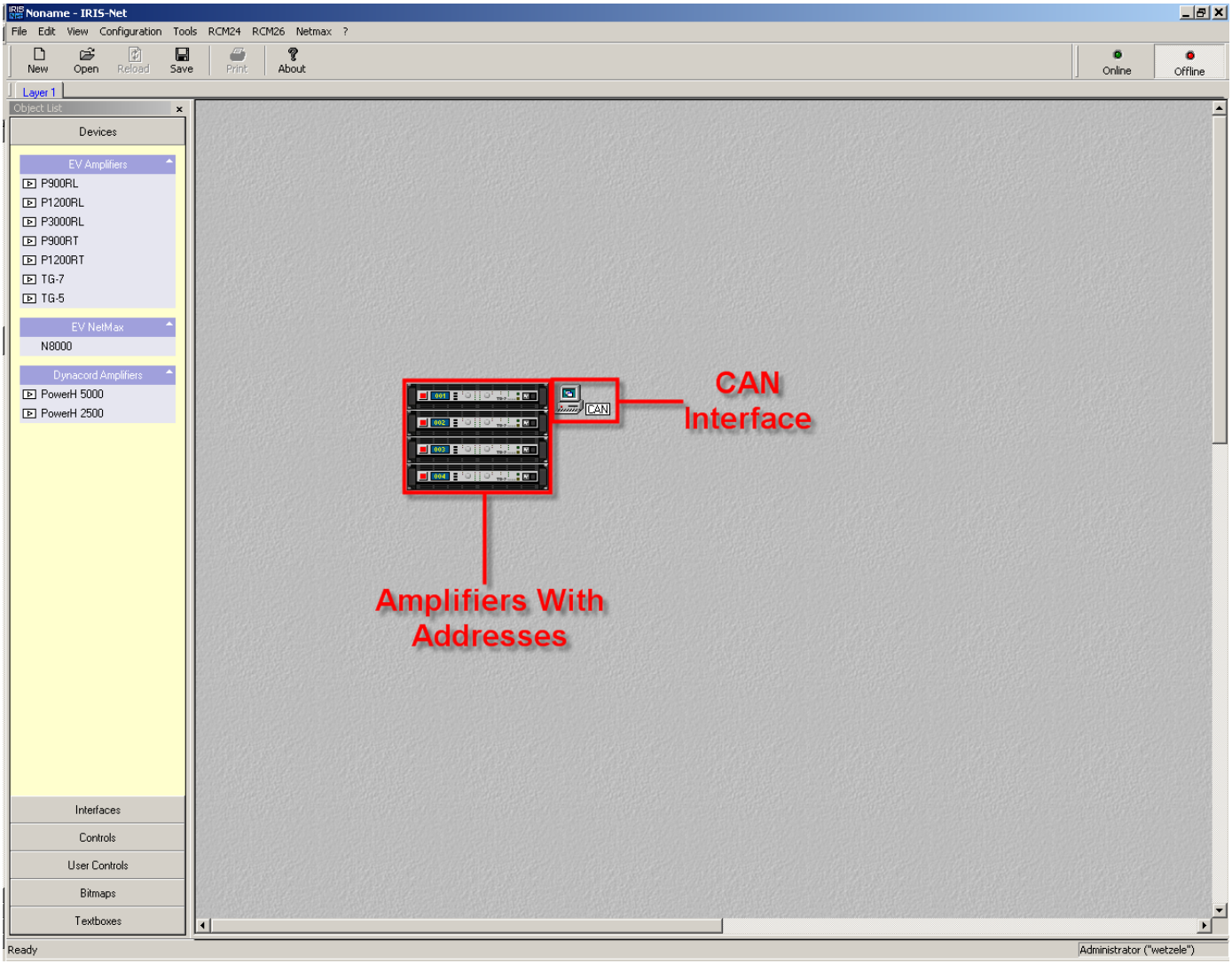
The Device Menu can also be opened by right-clicking in a blank part of the IRIS-Net project screen.



2. Devices are added to the project by dragging an amplifier from the list into your project. When you drop in the amplifier, a dialog will appear asking you how many amplifiers you would like to add, what address to start from and what kind of interface you would like you use.



By default, the USB CAN Interface (UCC1) is selected and “New” is checked. Enter the quantity and starting address and click “Ok”. IRIS-Net will add the amplifiers and a network interface.



4. Continue adding the models and quantities of amplifiers needed for the project. Note that when adding additional amplifiers, the starting address will be the next available address, and the “Existing” interface option will be checked. Multiple PCs and UCC1s can be used on a DSP Remote Controlled amplifier system without adding additional networks to the IRIS-Net project. For details on running systems with multiple networks, contact Electro-Voice or Dynacord technical support.

Important: The amplifier models and addresses you have created in the project must match the hardware!

4. Naming Devices

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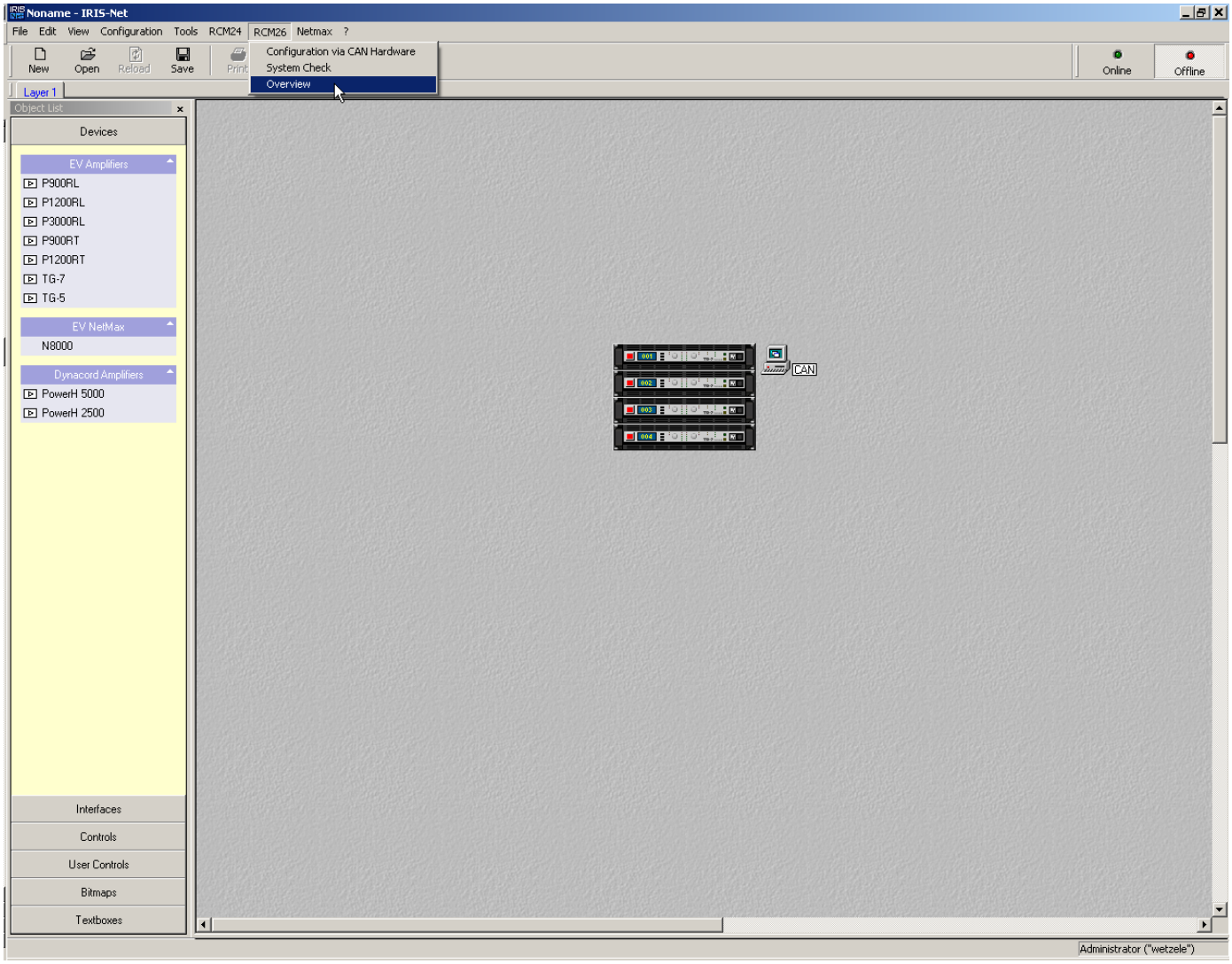
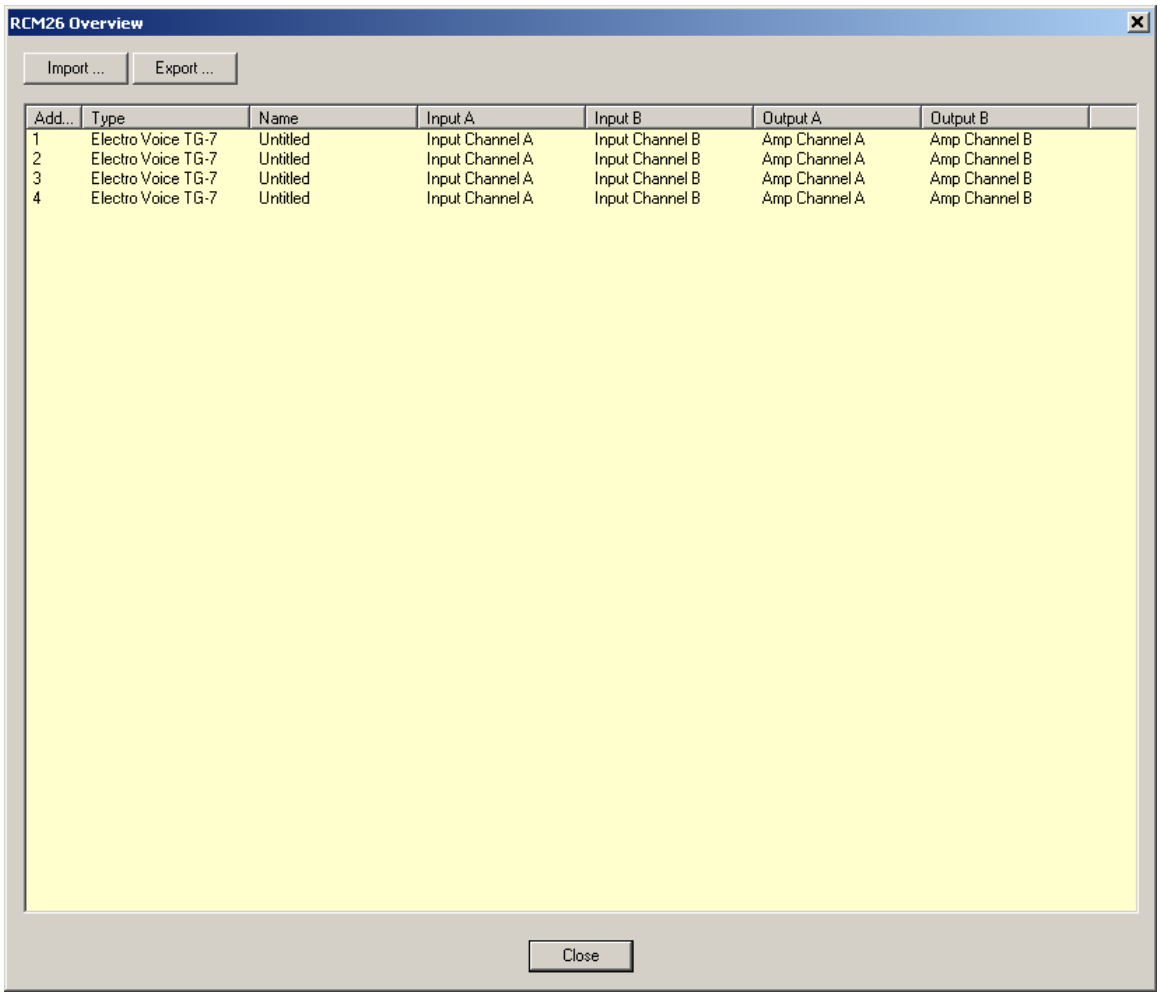
Naming all of the amplifiers, input and output channels is a very important step because it will make the process of connecting Groups and Controls much easier. There are several places within IRIS-Net where you can enter names for your devices. If you enter a name in any of these places, it will appear in all of the others for that device, including the Amplifier Control Panel, Setup & Control Window, One Button System Check and the Administrate Connections list.

The quickest way to name all of your devices is to use the Overview Window in IRIS-Net.

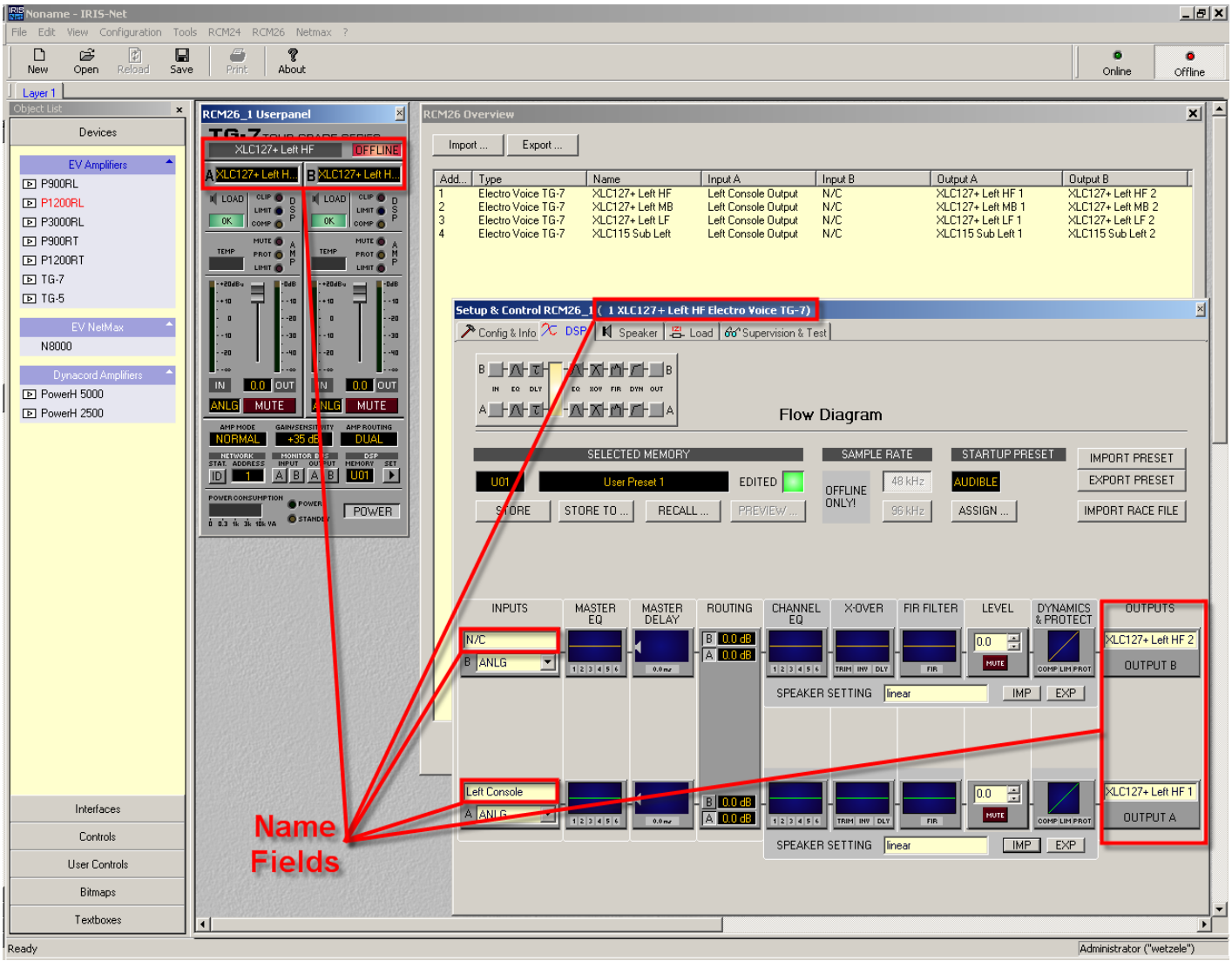
1. Open the Overview Window from the RCM-24 or the RCM-26 Menu in the IRIS-Net Toolbar.



2. This will bring up a list of all of the RCM-24 or RCM-26 Devices you have added to your project, including the specific amplifier type used and the CAN address.



3. You can highlight the cells in the list and enter names for the amplifiers, input and output channels, pressing Enter to confirm the entry. You will now see the names you have entered appear in all of the name fields within IRIS-Net.



4. Another method for entering names is to use the Import and Export function. By clicking “Export” IRIS-Net will export the Overview List in .TXT format. This list can then be edited in Word or Excel. Using Excel can be quite helpful when editing a very large list because of Excel’s auto fill and copy and paste functions.

5. Adding Groups

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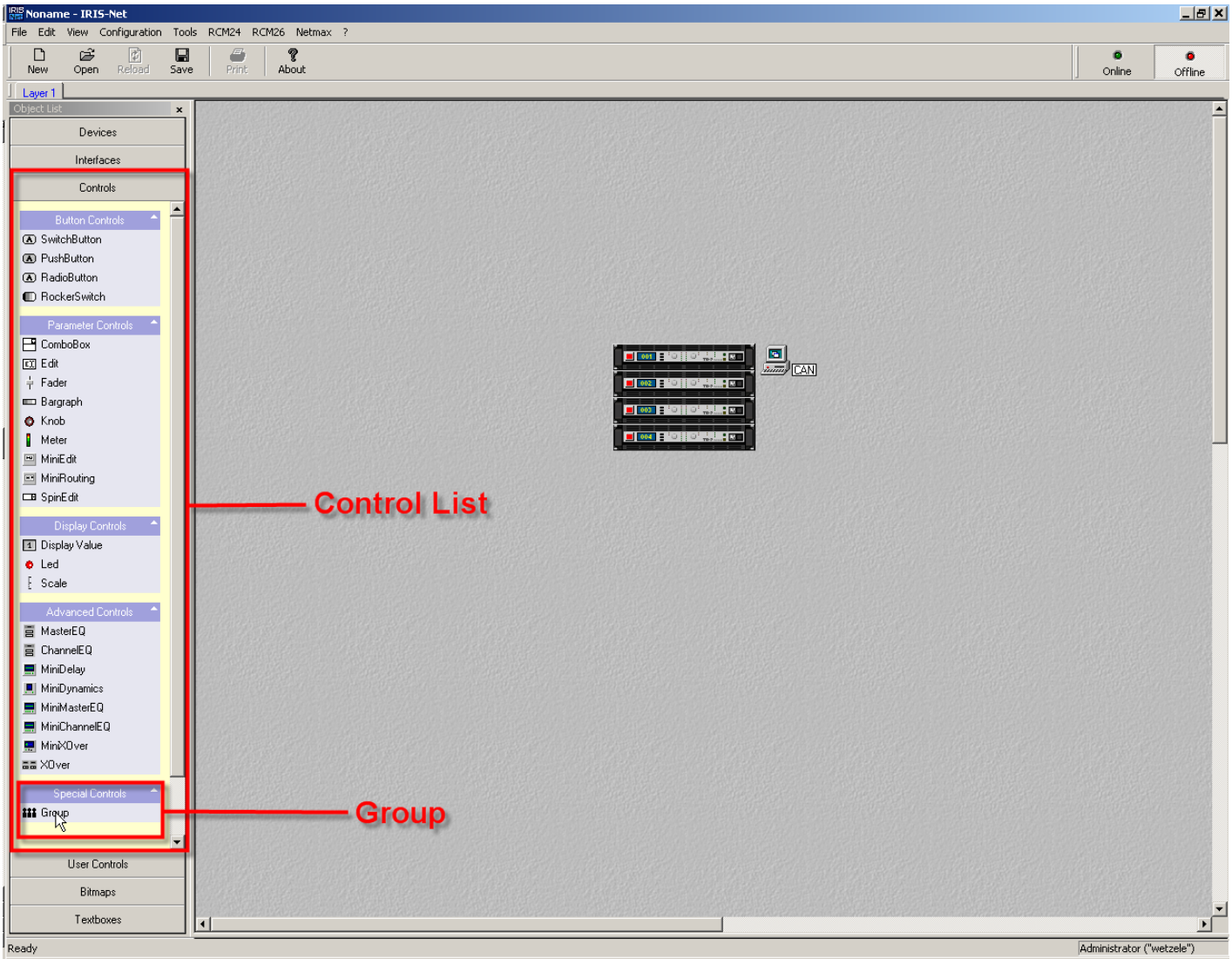
Groups are a powerful feature of IRIS-Net, allowing programming and control of multiple amplifiers or amplifier channels from a single interface. Using Groups in the project is strongly recommended because it will make project creation much faster and eliminate potential mistakes (forgetting to program the DSP for an amplifier channel, for example). Groups can be thought of a bit like mute groups on a

console, but are much more powerful, allowing programming and control of any parameter of any amplifier or amplifiers. Some common examples of Groups are:

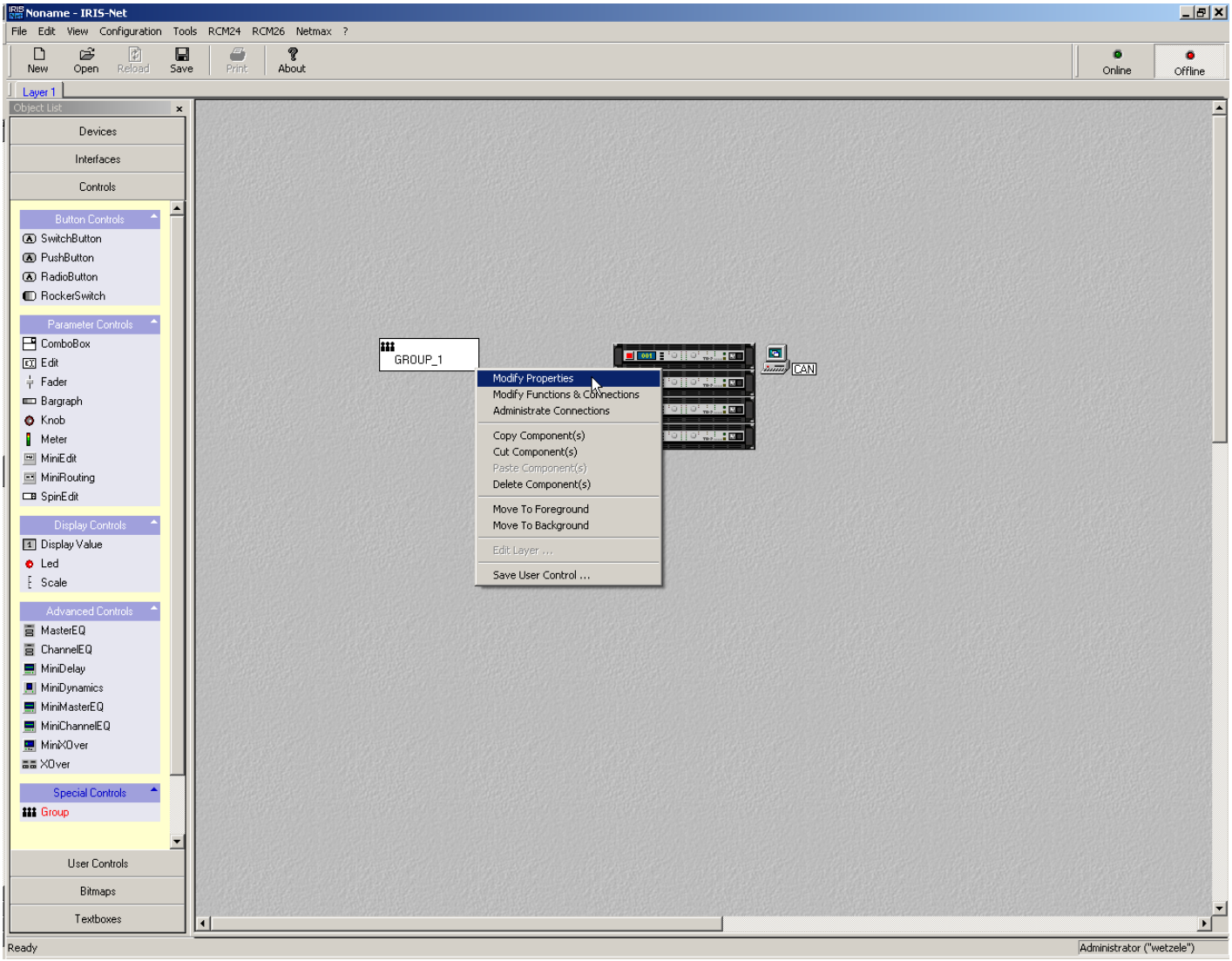
- **System Groups**-for switching all amplifiers on and off, muting the entire system, storing and recalling Presets to all amplifiers, etc.
- **DSP Groups**-for amplifiers or amplifier channels that share common DSP (high frequency devices or subwoofers, for example)
- **Zone Groups**-for amplifiers powering speakers in different zone areas (zone attenuation, time alignment and near field array shading, for example)

Amplifiers can belong to multiple Groups simultaneously. For example, an amplifier can belong to a System Group, DSP Group and Zone Group at the same time. This allows for a large amount of flexibility when programming DSP or adding Controls.

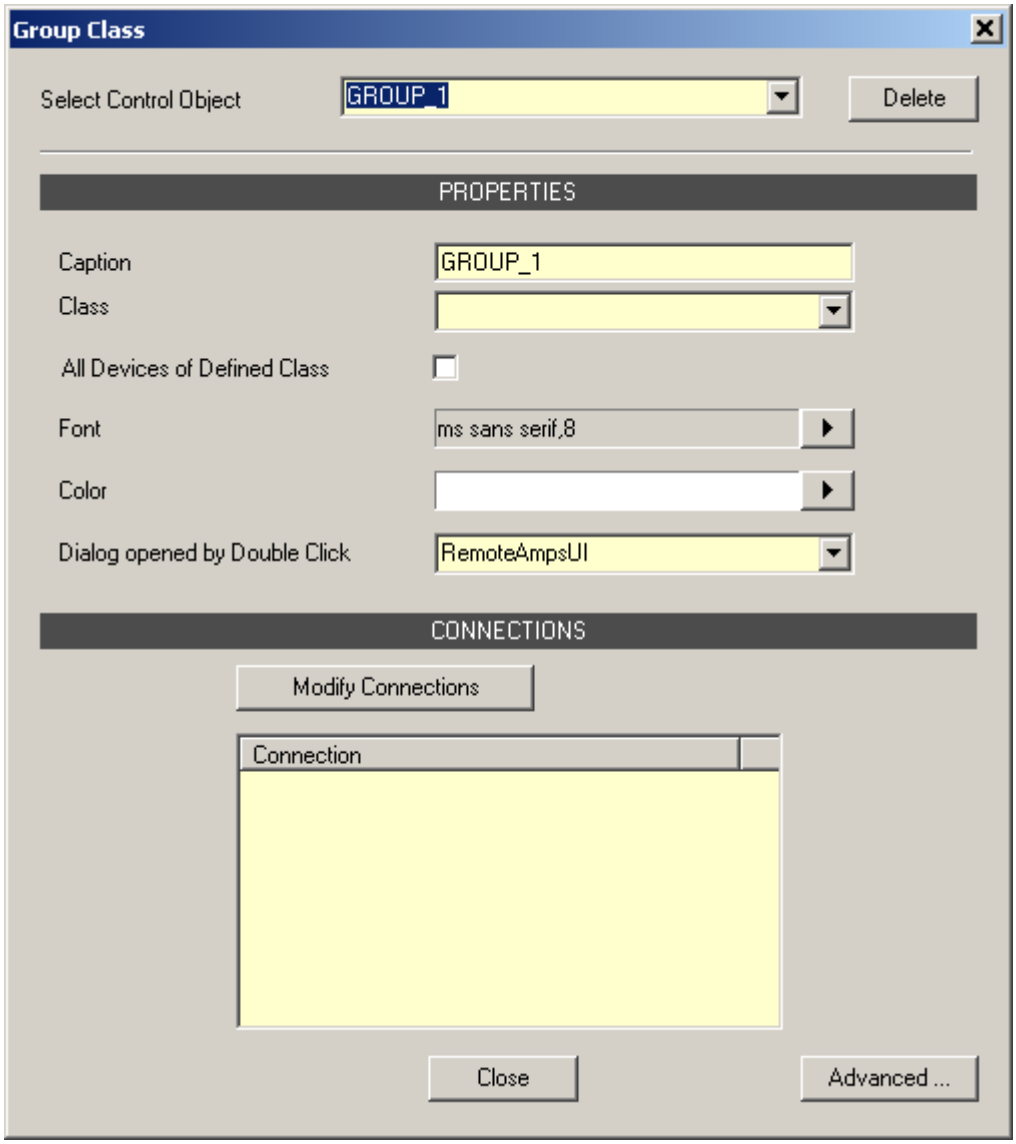
1. Open the Control Menu from the Object List and drag a Group Object into the IRIS-Net project.



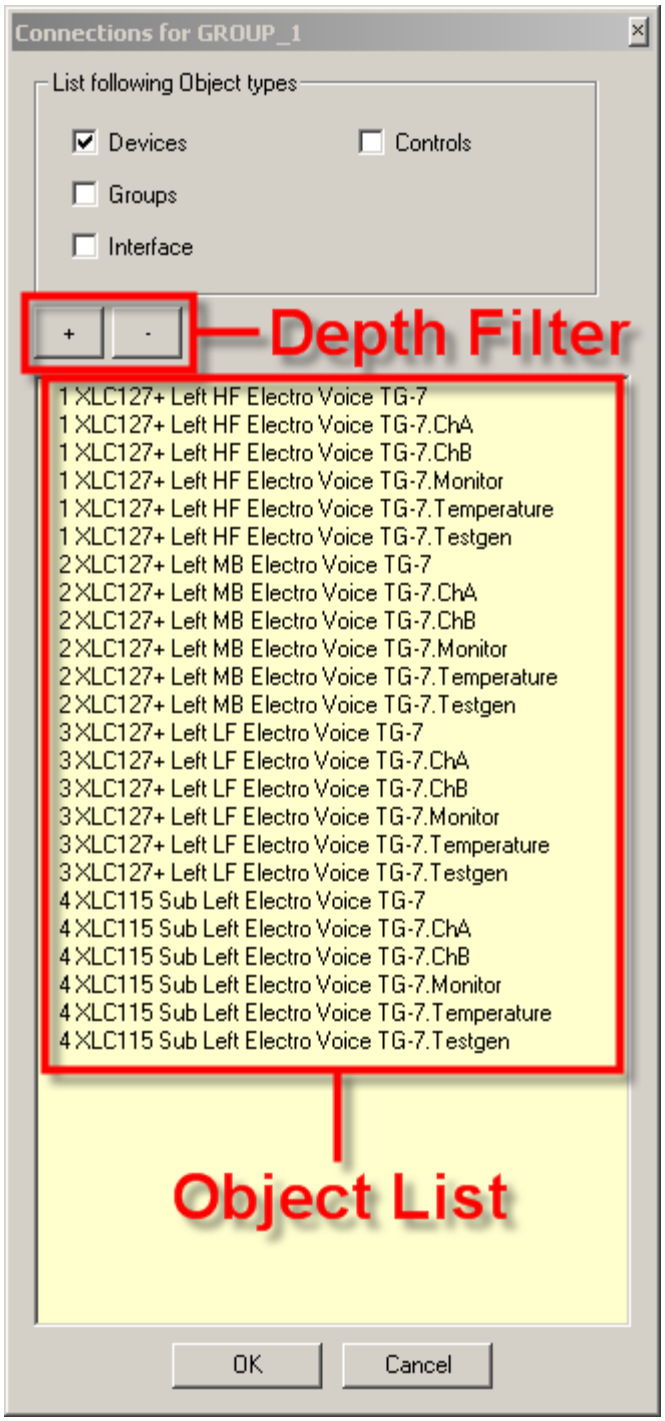
2. Right-click on the Group and select “Modify Properties”.



3. This will open the Group Properties dialog. This is where you can enter a name for the Group, select the color of the Group and connect the amplifiers to the Group. A suggestion is to use different colors for the different types of Groups that are included in the project so they can be easily identified at a glance (for example, white for the System Group, yellow for the DSP Groups and green for the Zone Groups)..

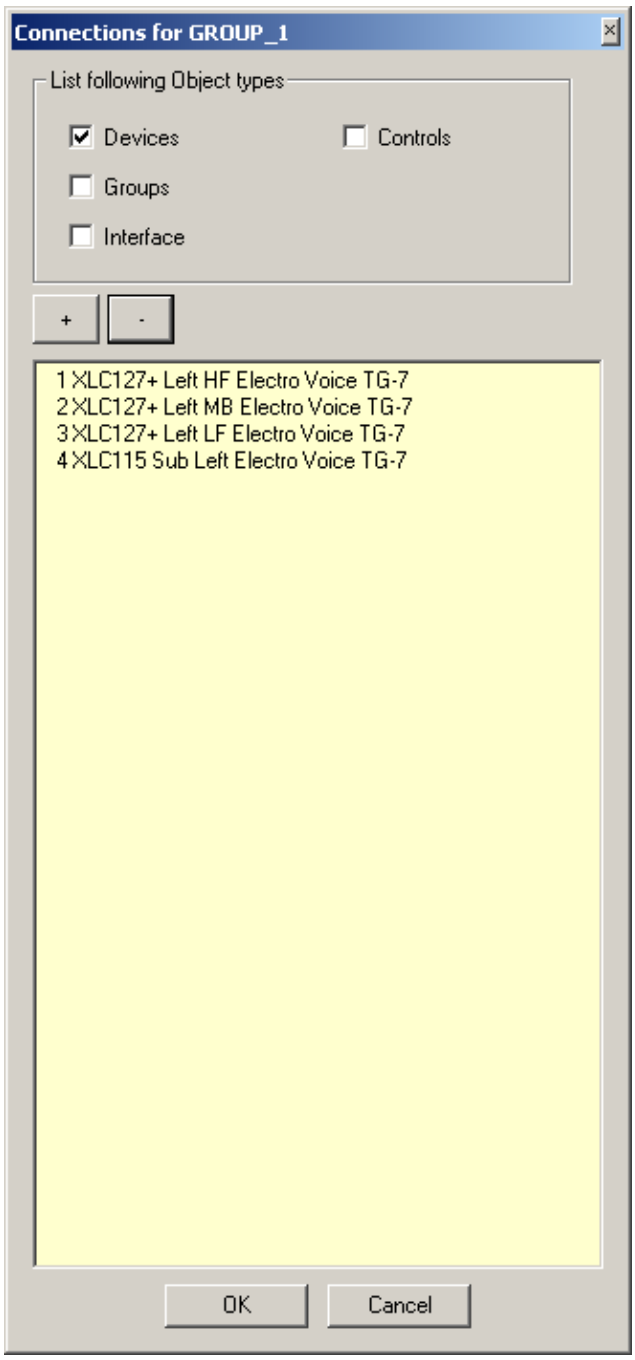


4. There are two ways to connect amplifiers to Groups. The first method is to click the “Modify Connections” button in the Group Properties window to open the Connections List.

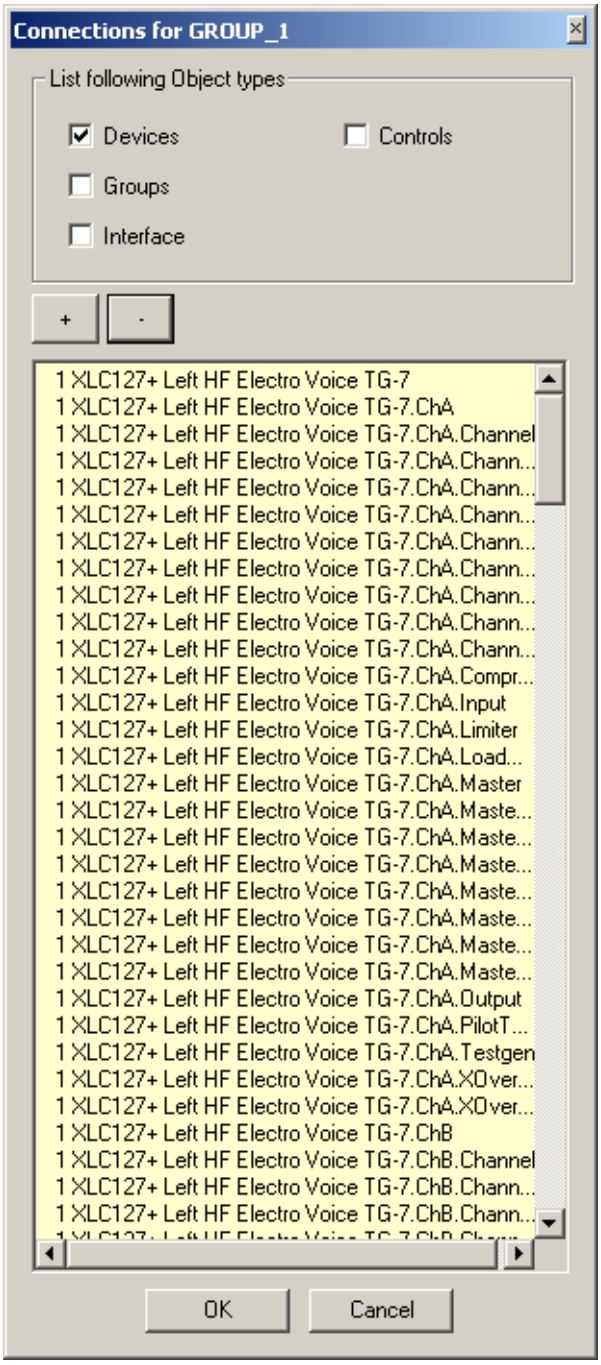


You can use the Depth Filter buttons in the Connections List to connect a single channel or individual property of an amplifier to a Group.

Fully Collapsed Object Depth

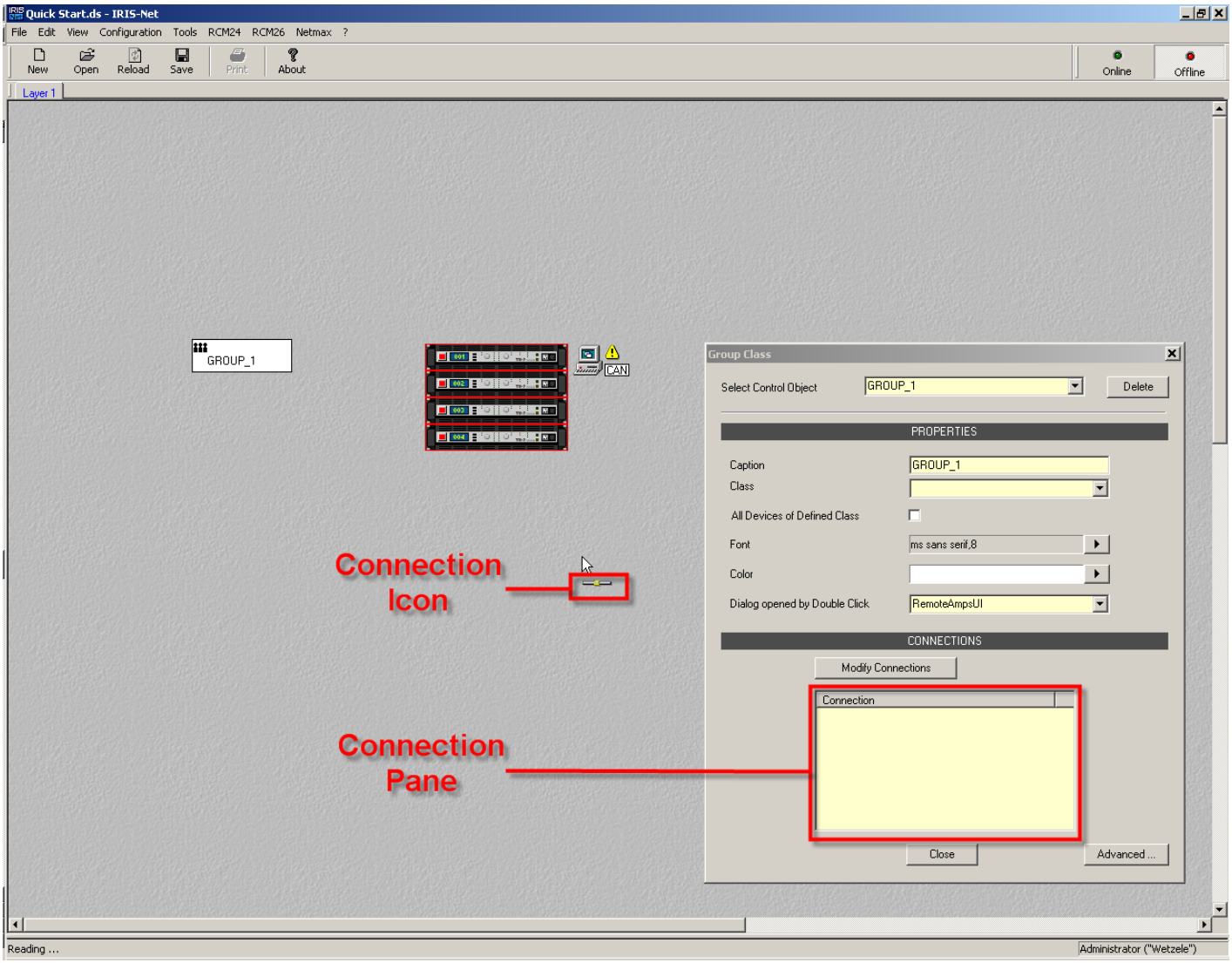


Fully Expanded Object Depth



Click on the amplifier or amplifier component you wish to connect (hold down the Shift or Control key to select multiple amplifiers) and click “OK”. You will see the amplifiers appear in the Connection Pane.

The second method is to drag and drop connections. With the Group Properties window open, drag a highlight box around the amplifiers you wish to connect to the Group. Hold down the Shift key and click on the selected amplifiers. You will see a small connection icon appear by the cursor.



While continuing to hold down the Shift key, drag the cursor and connection icon into the Connection Pane. Release the mouse and you will see the amplifiers appear in the Connections Pane.

6. Adding Control Elements

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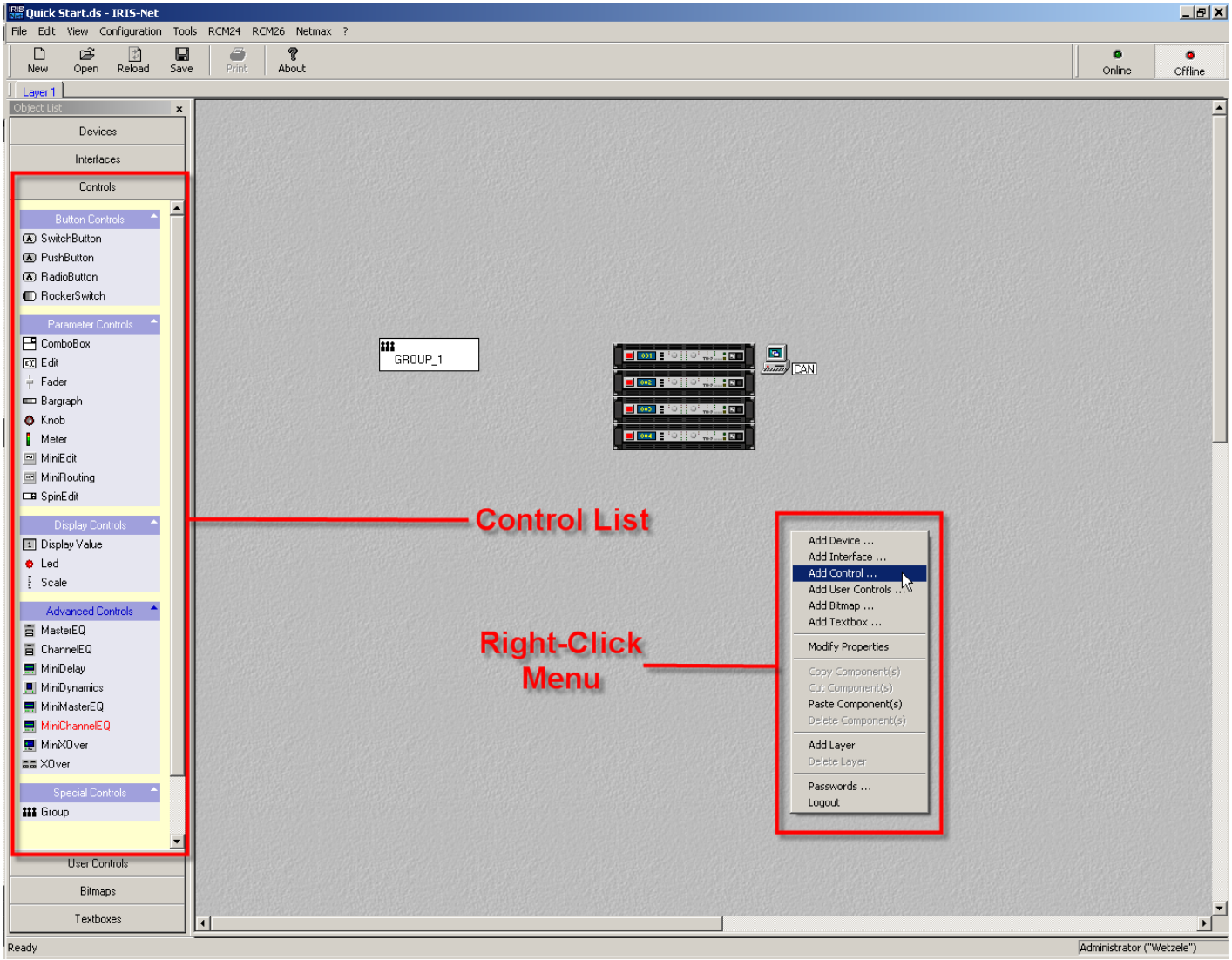
IRIS-Net contains an extensive library of elements that can be used to control the parameters of your amplifiers and Groups. These include elements such as buttons, faders, LEDs, spinner edits and meters to name a few. These elements fall into two categories:

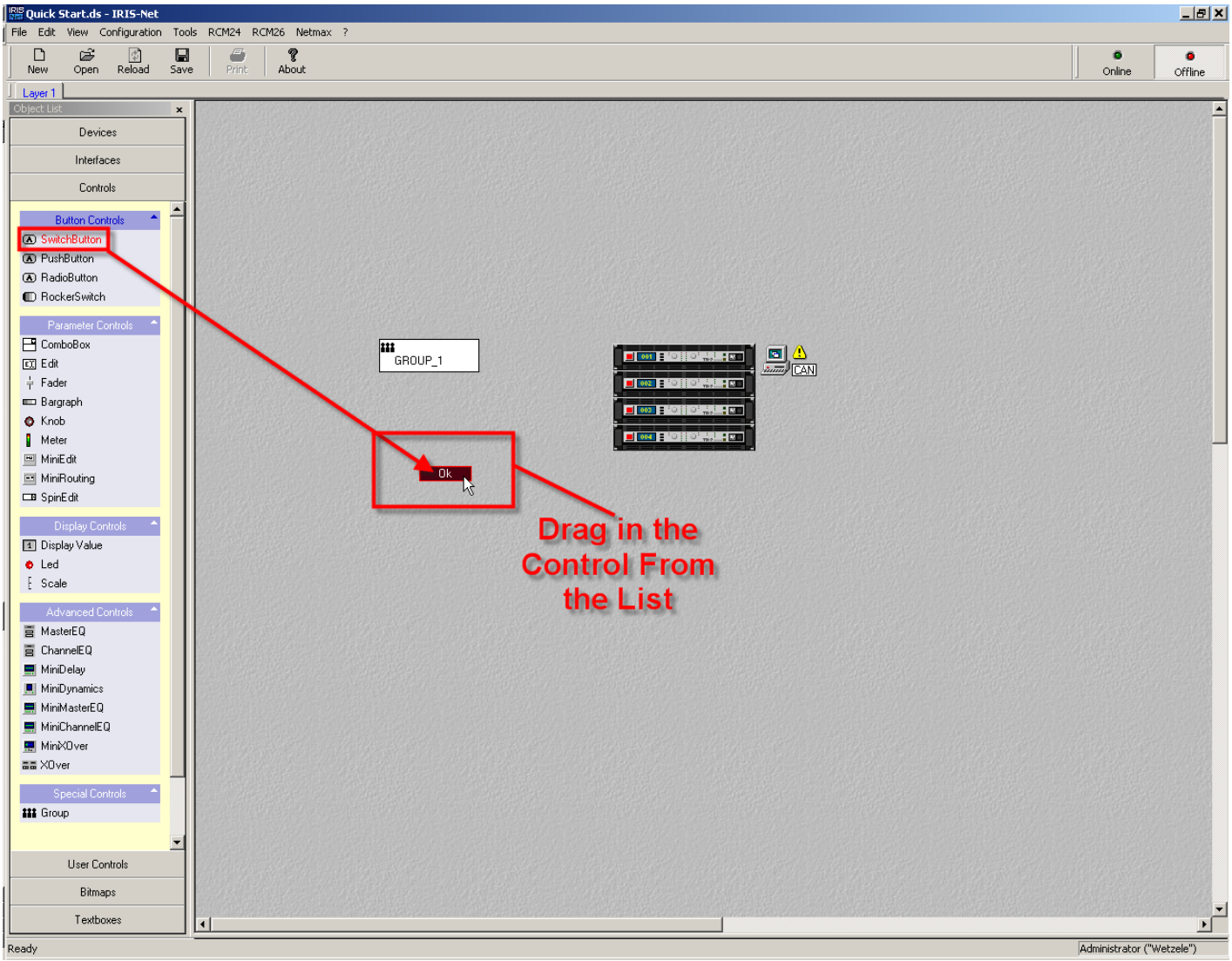
- **Controls**-individual elements such as faders or buttons that can be connected to an amplifier or Group and assigned to control any parameter of what it is connected to.
- **User Controls**-clusters of controls that have been pre-assigned to specific functions. You only need to make a single connection from the User Control to an amplifier or Group and all of the Control

elements that make up the User Control will be connected at once. You are able to create your own cluster of Controls and save the cluster as a User Control.

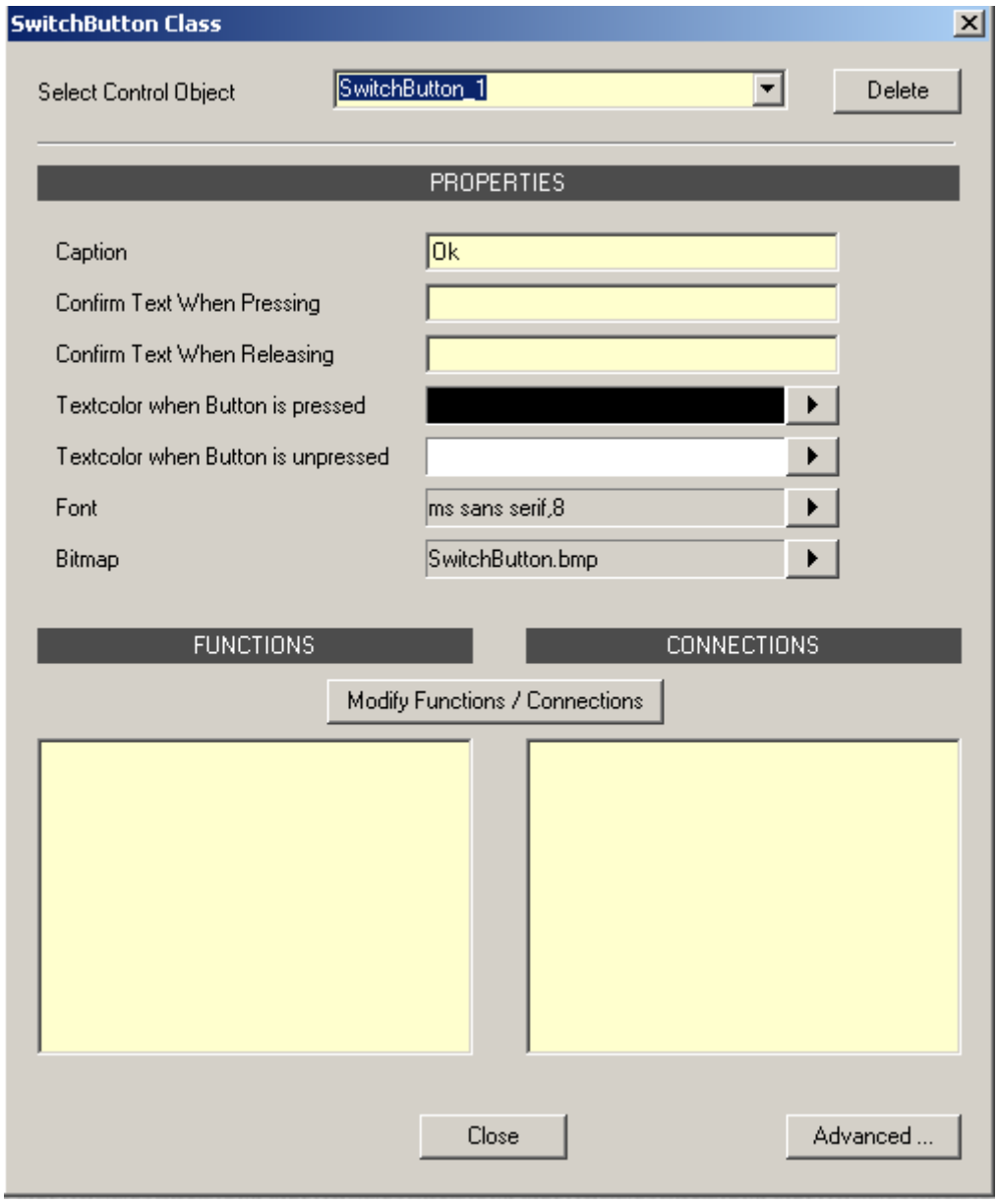
1. To add a Control, open the Control Menu from the Object List or open the Configuration Menu from the IRIS-Net toolbar or by right-clicking in an empty area of the IRIS-Net project and select “Add Control”.



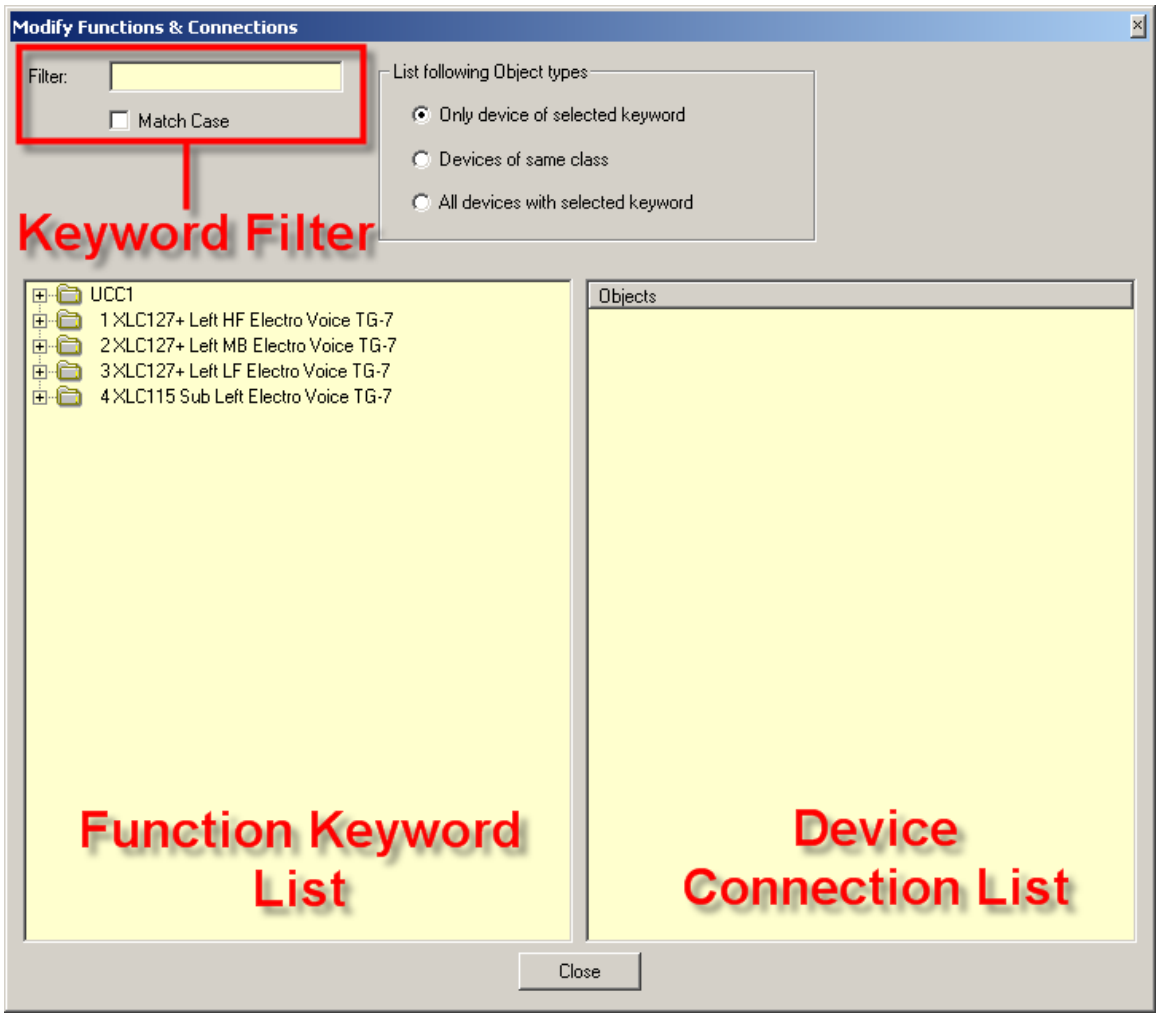
2. Drag the Control into the IRIS-net project and place it where desired. In this example, we will use a Switch Button.



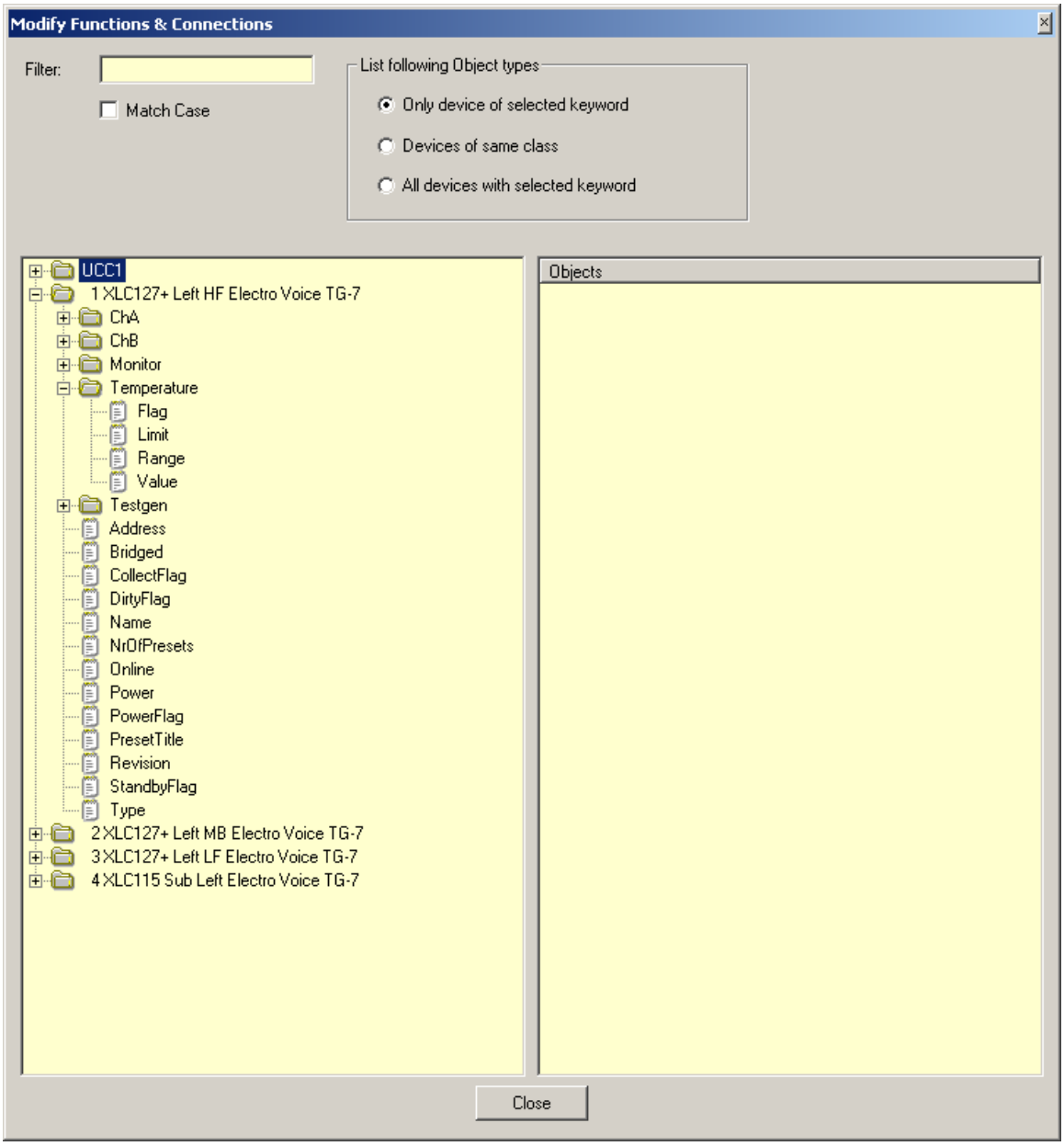
3. You must now assign a Function to the Control (what the Control will do) and connect the Control to an amplifier or Group. Right-click on the Control and select “Modify Properties”. This will open the Control Properties dialog. This dialog will have different options depending on the type of Control selected. For example, a Fader will have some different dialogs than a Switch Button.



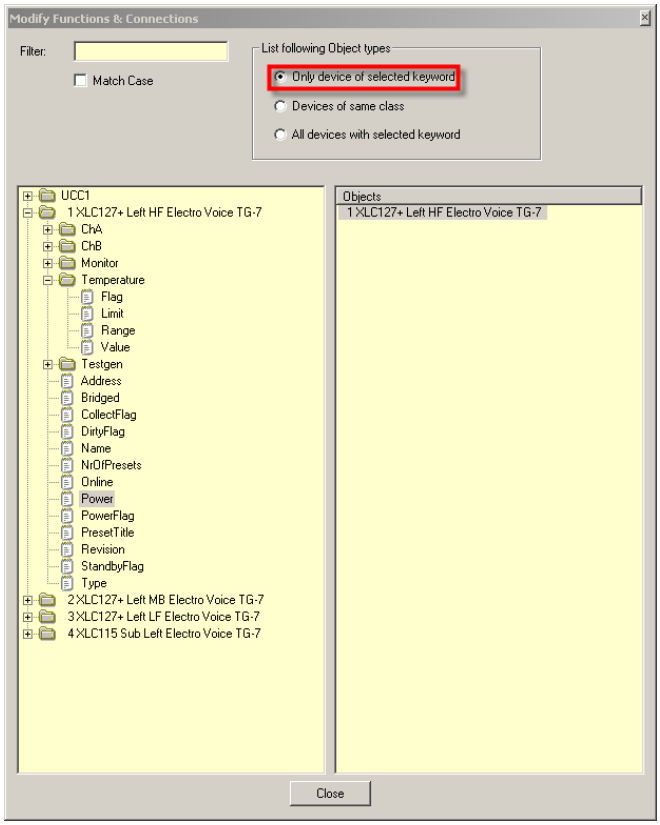
4. To assign Functions and Connections, press the “Modify Functions/Connections” button in the dialog. This will open the Function & Connections list for the Control.

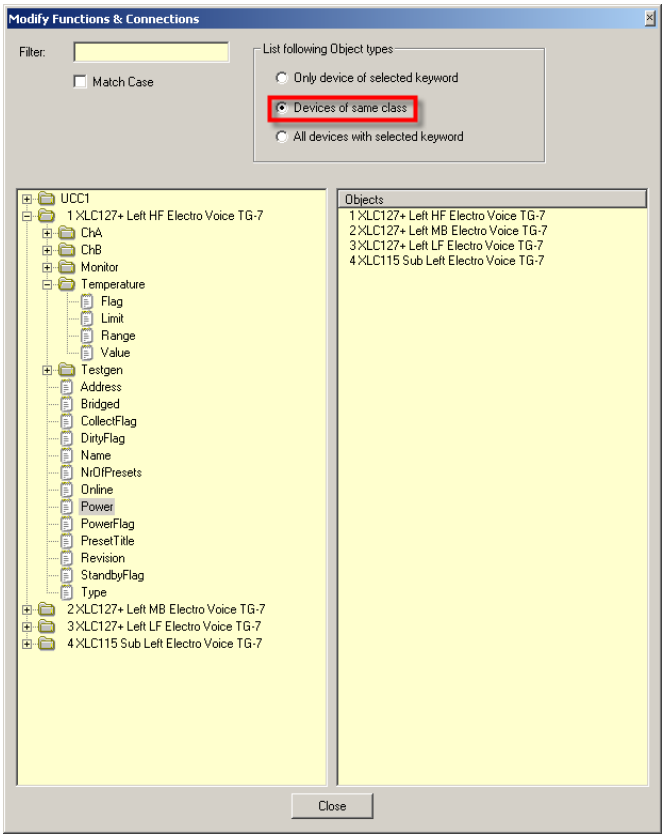


4. On the left side of the window you will see the devices that are included in the IRIS-Net project listed in an explorer tree. The Function keywords are accessed by clicking on the “+” signs by the devices. This will expand the tree and allow you to “drill down” into the device to find the appropriate Function Keyword.

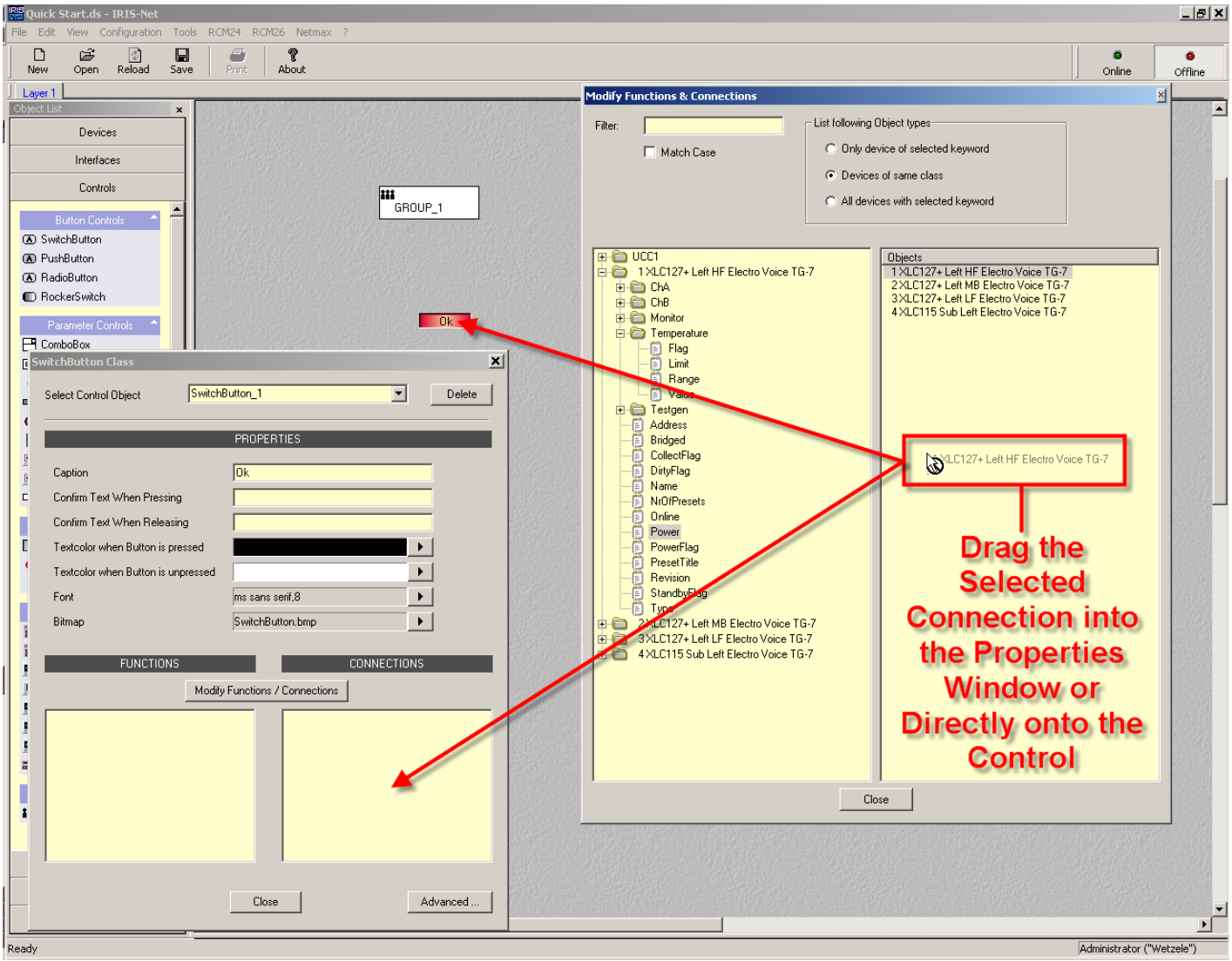


The right side of this dialog contains the device Connections. This pane remains blank until a Function Keyword is selected. When a function Keyword is highlighted, this pane will populate with the appropriate Device Connections that are available for the selected Function Keyword. The Device Selection is based upon which device you have navigated through on the left pane and is highlighted. However, you may also display other possible connections without navigating through all of the devices individually in the explorer pane. The “List Following Object Types” selection allows you to display all of the possible connections for the selected keyword as well as the original device.

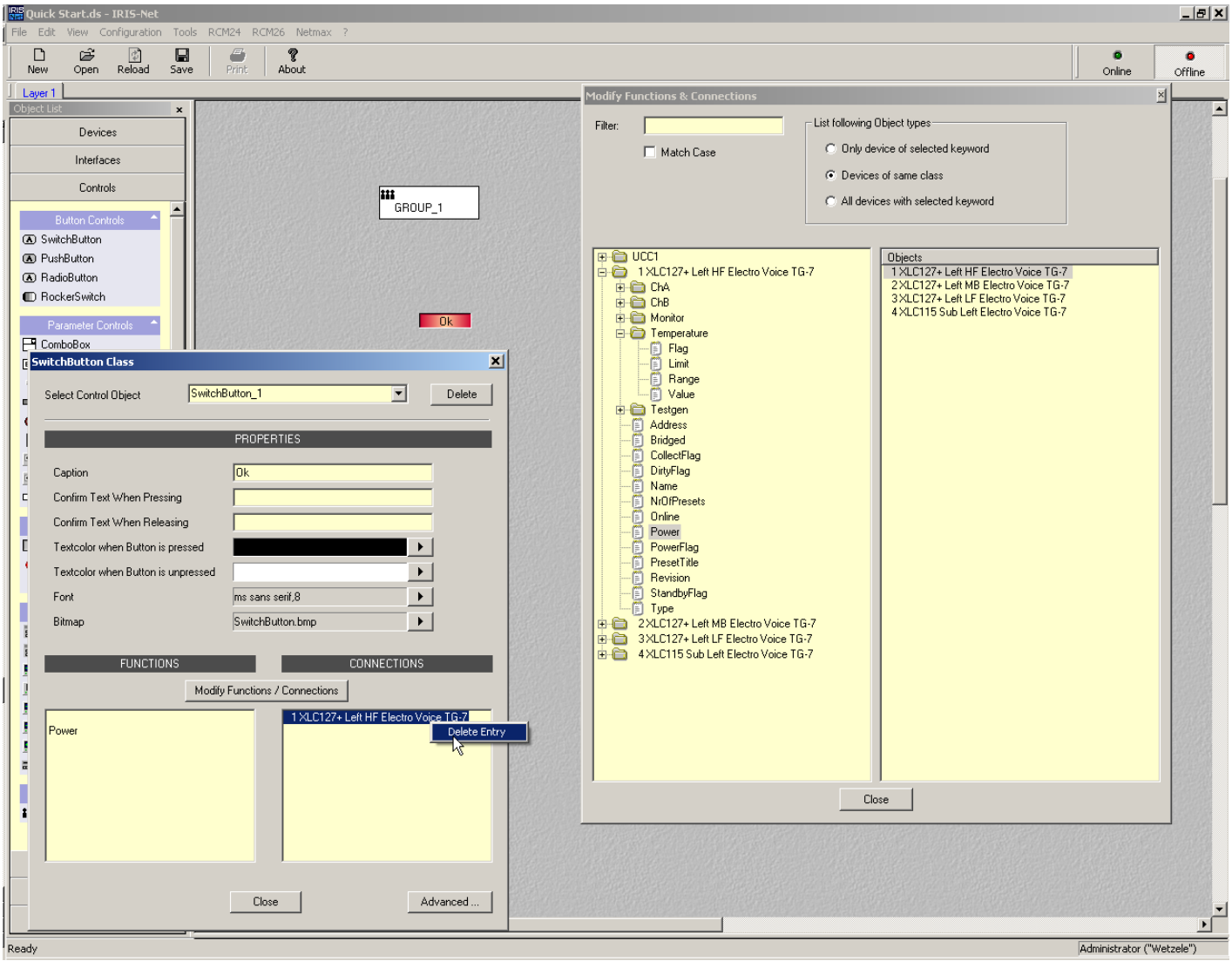




Applying the selected Functions and Connections is as easy as dragging the selections onto the Functions or Connections pane of the Control Properties dialog or directly onto the Control object in the IRIS-Net project window.

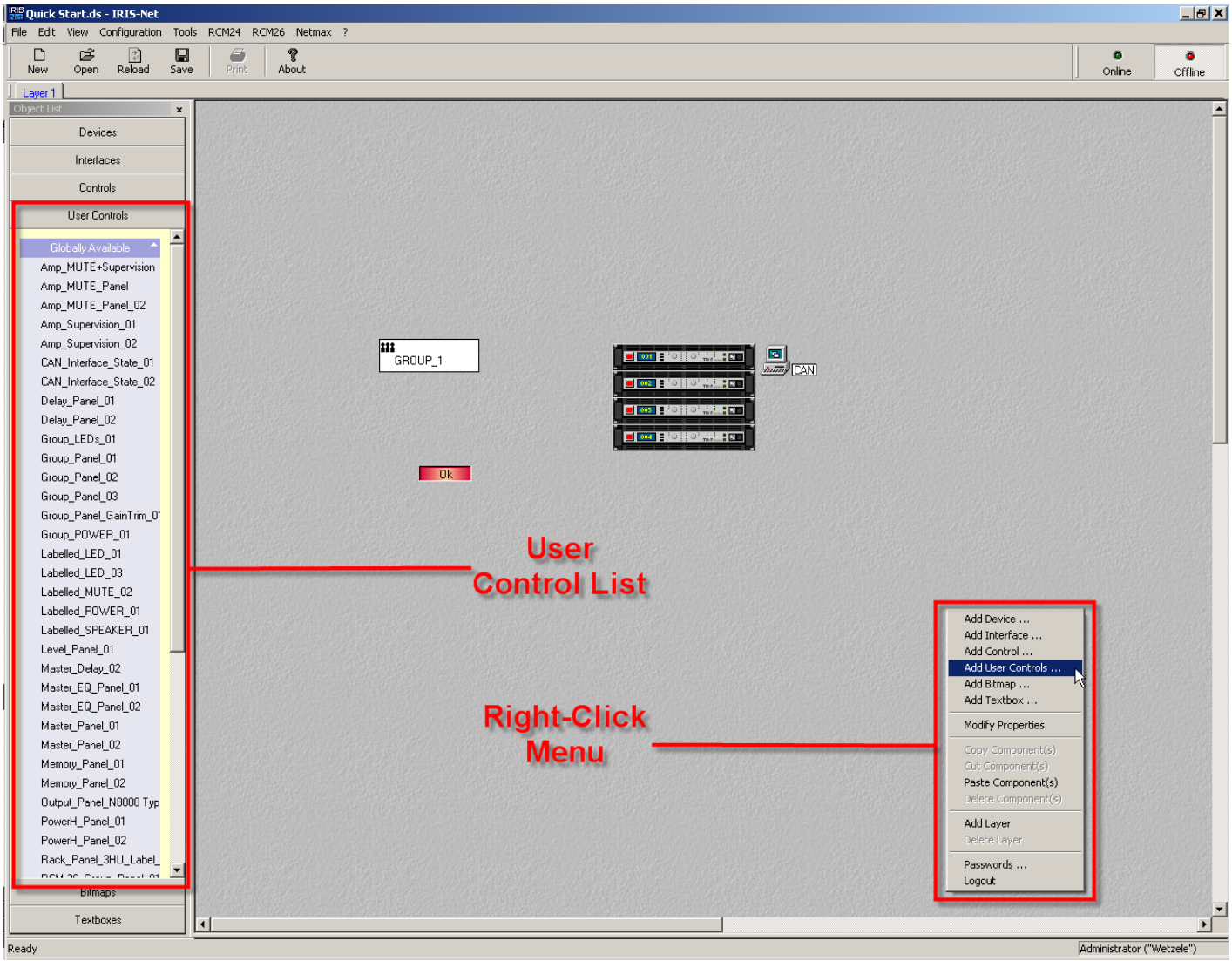


You may drag multiple Connections simultaneously to a Control if you wish. You may also drag only a Function without a connection from the explorer pane if you want to add the Connection later (this can be useful when creating User Controls). If you decide that you would like to change or remove the Function or Connection from a Control you may right-click on the entry and select “Delete Entry”.

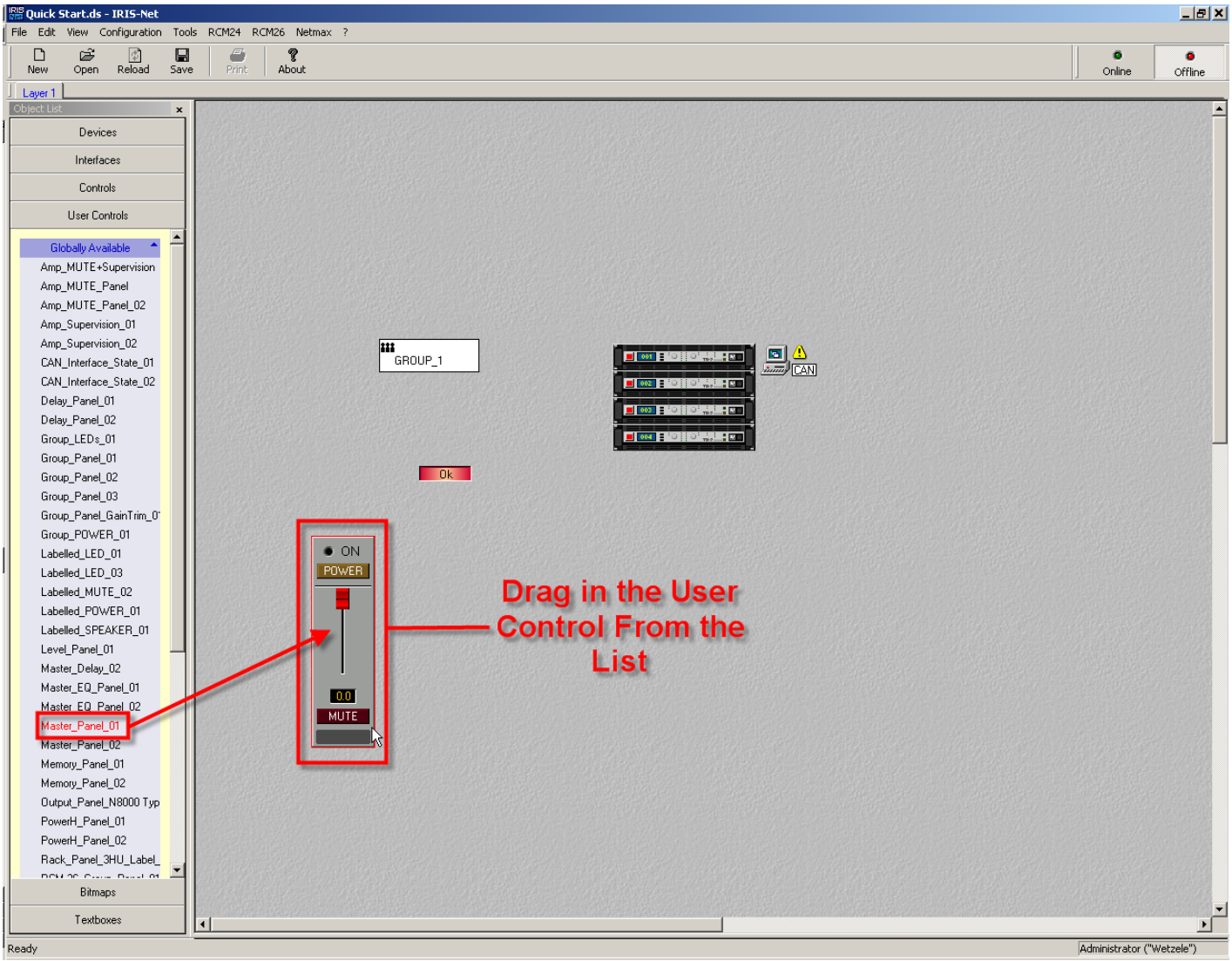


The Functions and Connections window may be left open as you build your project, thus making it very fast and efficient for making many Control, Function and Connection configurations without constantly opening and closing windows and dialogs.

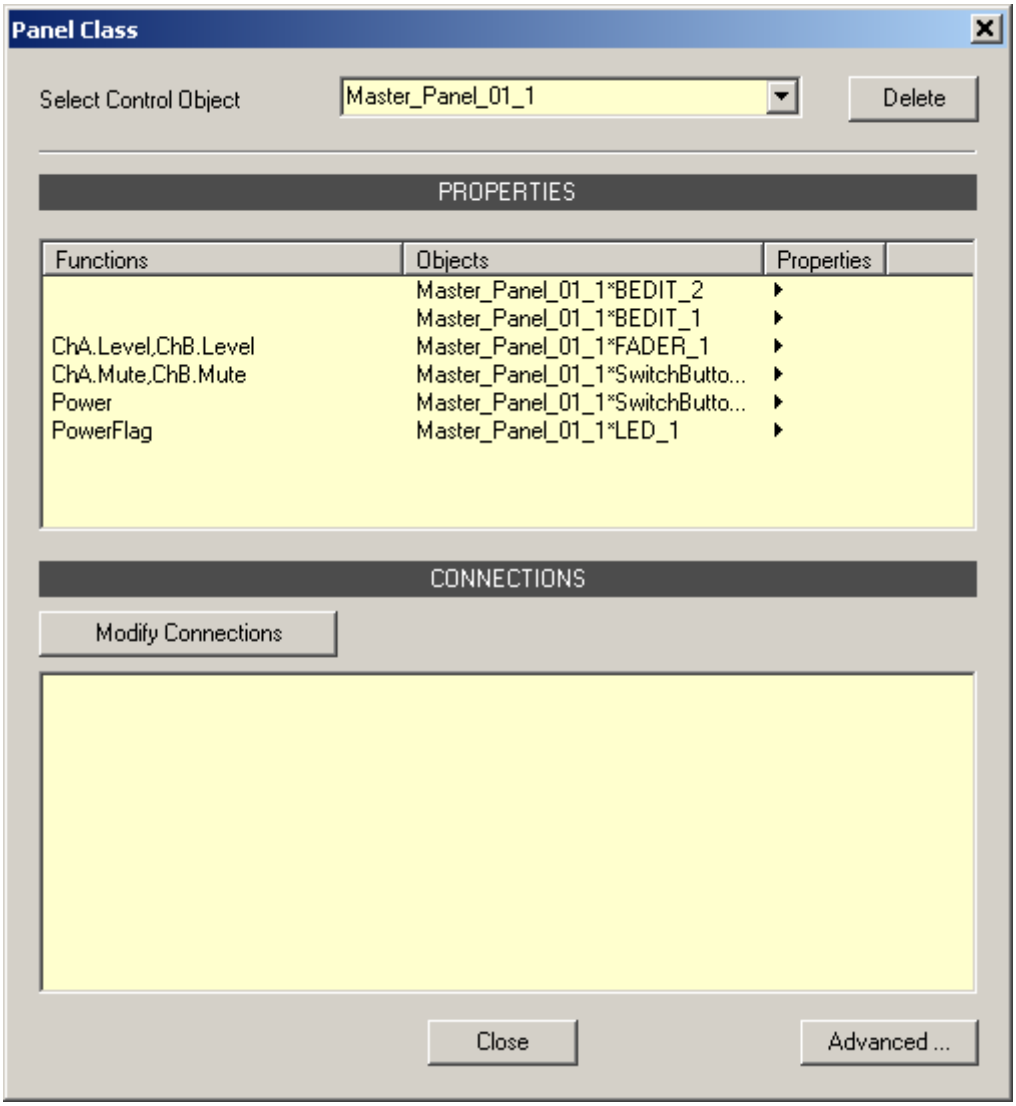
6. User Controls are added to the project in the same way, but the Functions for the control elements have already been configured, so you only need to specify Connections. To add a User Control, open the User Control Menu from the Object List or open the Configuration Menu from the IRIS-Net toolbar or by right-clicking in an empty area of the IRIS-Net project and select “Add User Control”. For a list and descriptions of the factory provided User Controls please refer to the IRIS-Net Help File.



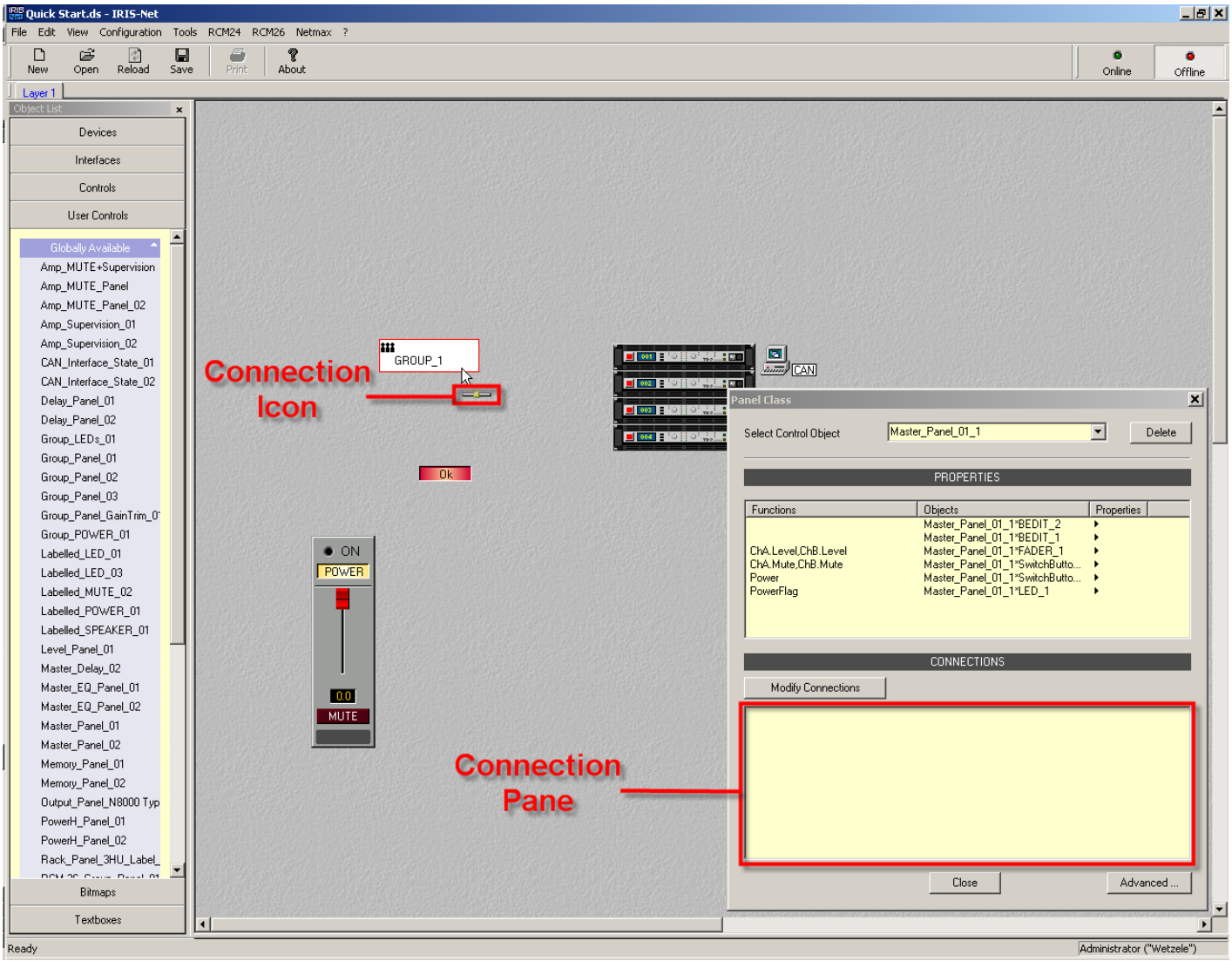
7. Drag the User Control into the IRIS-Net project and place it where desired. In this example, we will use a Master Panel.



8. The User Control already has its Functions configured, so all that must be done is to configure the Connections to the devices it will control. This can be done in the Connections List or User Control Properties dialog. Right-click on the User Control to open the User Control Properties dialog.



9. In the top half of this dialog is a list of the individual Control elements that make up the User Control. The Functions of these elements have already been specified, although it is possible to edit or change the individual Controls by pressing the arrow in the Properties column opens the Control Properties dialog and allows the object to be edited in the same way as other Control Objects. In the bottom half of the dialog is the Connections Pane. Connections can be made by clicking the “Modify Connections” button to open the Connections List or by using the drag-and-drop method.



Once the Connections have been made, you can test the User Control to verify proper Connections and desired functionality. Please consult the IRIS-Net Help File for a complete listing and description of all User Controls included with the IRIS-Net installation.

7. Adding Layers and Passwords

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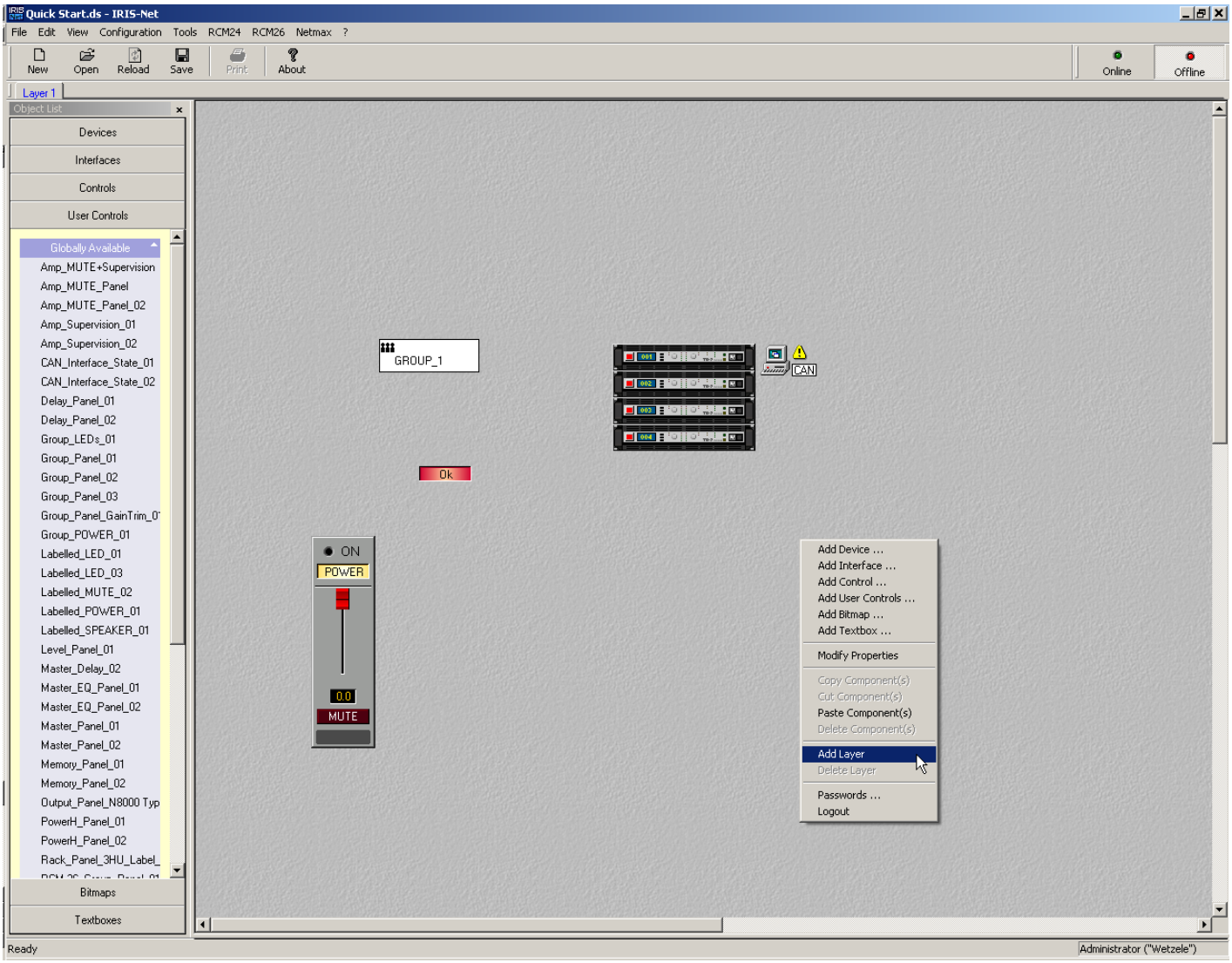
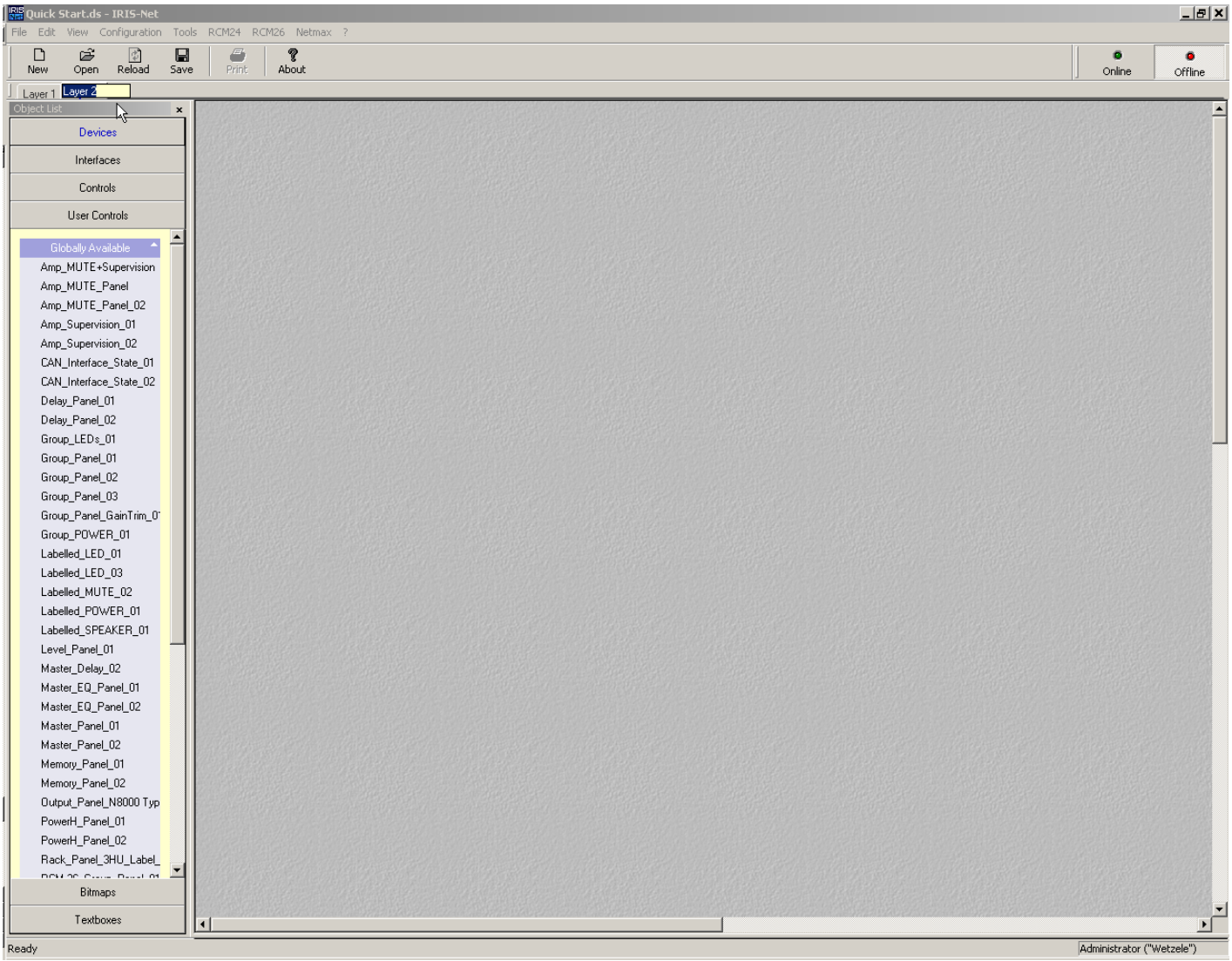
An IRIS-Net project can have up to 32 Layers for control and monitoring elements. Each Layer can be password protected to provide different levels of access for different users. Controls or User Controls can be connected to devices or Groups on other Layers, even if those Layers are not available to the specific user that is controlling the system. These connections are made, as normal, and no additional steps need to be taken to connect to elements on other Layers.

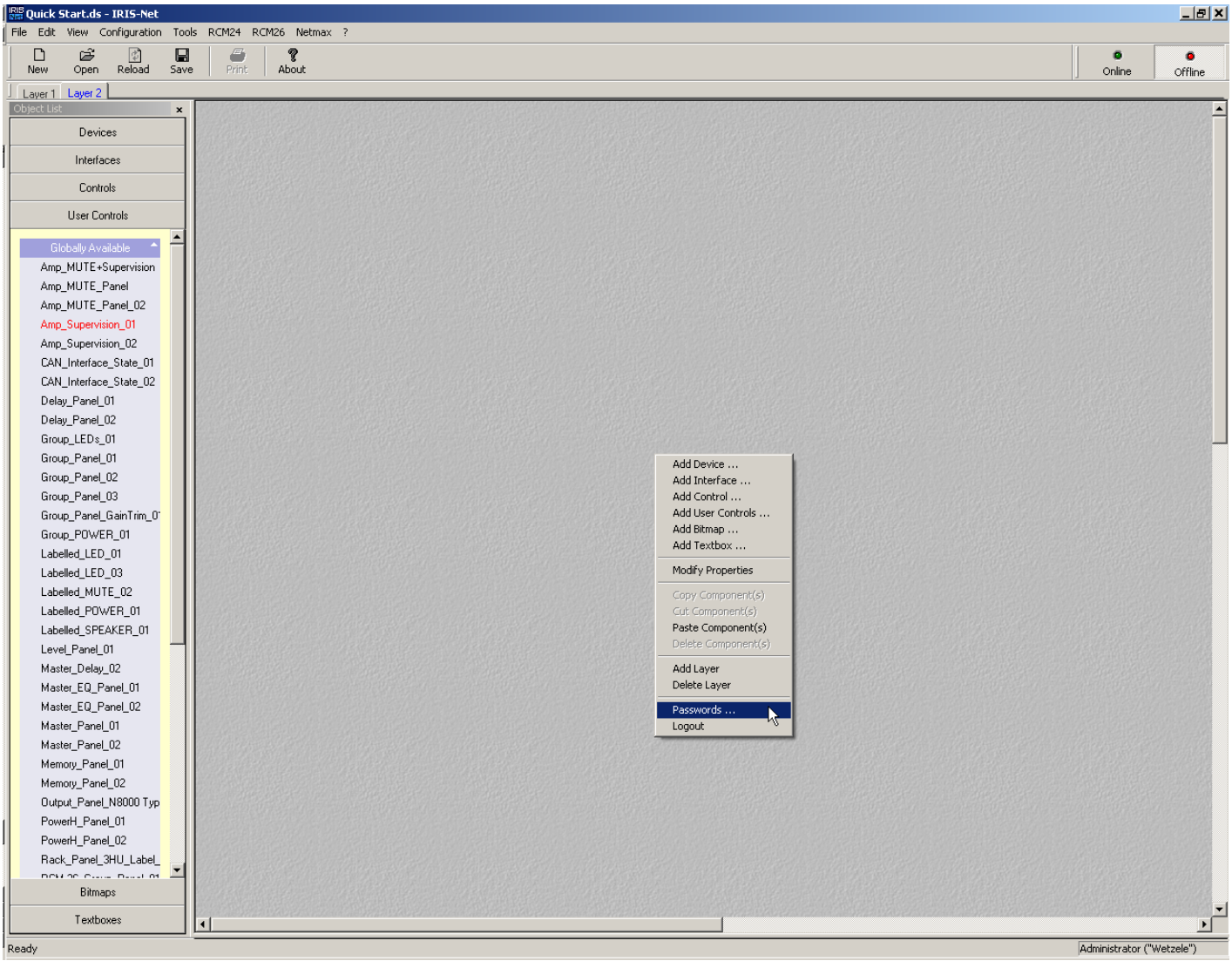
1. Open the Configuration Menu from the IRIS-Net toolbar or by right-clicking in an empty area of the IRIS-Net project and select “Add Layer”.



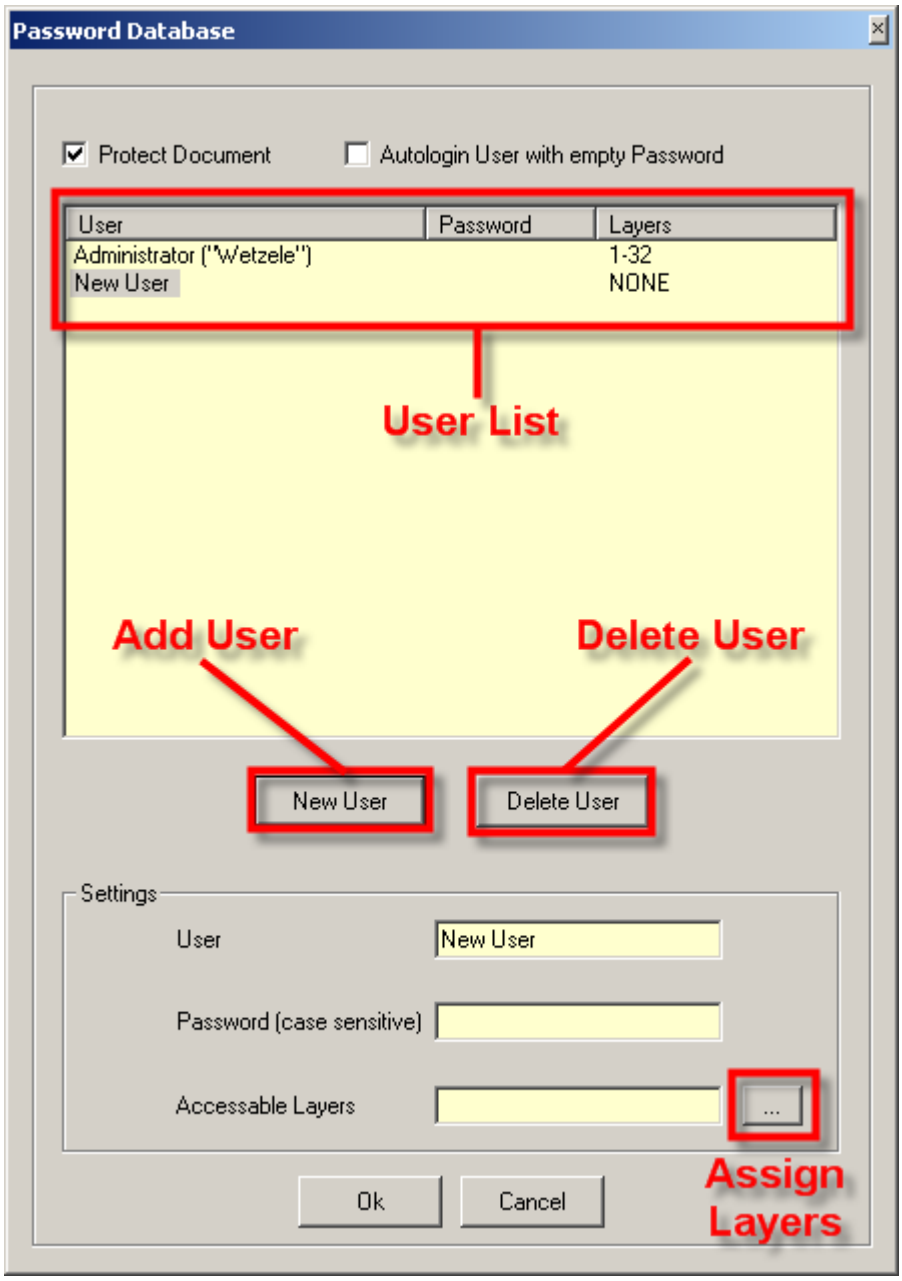
2. A new Layer will appear in the IRIS-Net project. You can rename the Layer by clicking into the name field, typing the name and pressing Enter to confirm.



3. You can now create Users for the IRIS-Net project, specify which Layers the Users will have access to and create passwords for the Users. Open the Configuration Menu from the IRIS-Net toolbar or by right-clicking in an empty area of the IRIS-Net project and select “Passwords…” to open the Passwords dialog.



4. In the Passwords Database, you will see the existing User List with passwords and accessible Layers, buttons for creating and deleting Users, password and Layer assignments.



5. The Administrator always has access to all Layers in an IRIS-Net project. Only the Administrator has the ability to edit aspects of the IRIS-Net project such as Layers and Passwords, adding Devices and advanced configuration. Other Users are able to control and monitor whatever elements are on the Layers that are available to them.

It is possible to select Autologin for a user that has no password assigned. This can be very convenient for non-Administrator users of the IRIS-Net project because they will not be prompted for a password when launching the project. To access the project as another user you must then log out and log back in as another user.

Important: Never give two Users the same password! For security, IRIS-Net will always default to the lowest access level if two Users have the same password. For example, if a User and the Administrator have the same password, IRIS-Net will log in the password as the User, preventing the Administrator from being able to edit the project.

8. Conclusion

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This guide is intended to outline basic IRIS-Net project creation and the most common aspects of programming. IRIS-Net Users are strongly encouraged explore the example projects provided with IRIS-Net and to refer to the IRIS-Net Help file and Read-Me file for additional detailed information on advanced programming and project creation.