SQ Designer

The editing, management and design desktop app for SQ Remote

User Guide v 1.5

Contents

Getting Started

Installing SQ Designer ("SQD")

Before installing SQ Designer you must first install the Adobe Air runtime environment. This is available free for Windows and Mac OS X. You will need version 1.5 of Air or better.

Install SQ Designer by downloading the .zip file from the Square Connect website, unzip to a location of your choice, then simply double click the .air file and follow the on-screen instructions.

Loading and Saving Configuration Files

SQD understands the .zip files that SQ Remote stores and retrieves from box.net. You should not unzip these files as SQD will handle all the zipping and unzipping.

It is recommended that you start working from a configuration that you have saved to box.net from SQ Remote, as this will then include all your device files and information about your blaster systems.

Simply download the box.net file that you want to edit (using the load from box.net options from within SQD). SQD will load and work with local copies of the files from the selected configuration zip file that you select, and will update the zip file on a save command.

It is a good idea to keep backup copies of your configurations (you can export your configurations to your local file system). Its also a good idea to use the auto-save option (See Preferences), as no software is infallible, and the unforeseen may happen.

If you load an old configuration that is missing certain configuration files, SQD will create these for you. In certain cases, essential files might be missing if you try to load a VERY old file from a much earlier version of SQ Remote. SQD will then abort the configuration process. Please contact us if you have any difficulties in this regard. We do not expect there to be any issues as this will only occur with configuration files from the very early versions of SQ Remote.

Using SQ Designer

SQ Designer (or SQD) has been created with the same paradigm as the SQ Remote app. It will be easier to use this software for creation and development of control configurations if the user has this in mind, particularly when creating a new configurations from scratch.

Step 1: Add SQ Blasters to the configuration. Even if these are "pseudo blasters" they will enable you to add devices and assign commands ready to be moved to a real blaster later.

Step 2: Add devices (ir command sets) to the blasters

Step 3: Create the control pads and Panels

Step 4: Assign your controls to commands

If you start editing an existing configuration then most of these steps will have been done for you automatically.

SQ Designer Functionality

The Main Editing Screen

This screen is displayed at start up and is the main editing area for your controls. SQD has been written to incorporate many of the common editing options that you will find in most graphic drawing packages - so that most editing tasks can be achieved quickly and easily.
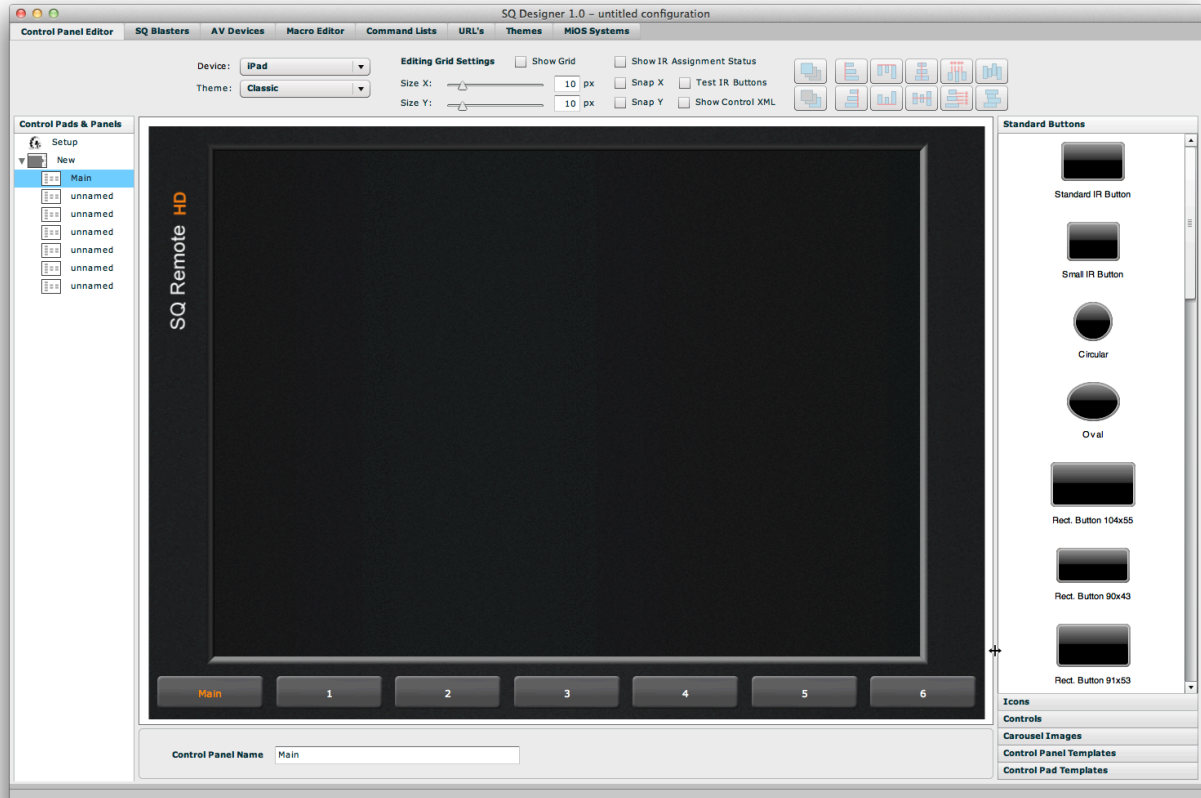
SQ Designer main editing screen showing iPad editing and classic theme

SQ Designer can be used to edit iPhone style layouts as well as iPad layouts. Although SQ Remote HD allows compatibility between iPad and iPhone screen sizes, SQ Designer makes it simple to edit and customize control panels. So its quite simple to create a set of controls for the iPad (for example) and then cut and paste these into additional control panels for iPhone use.

You can switch between iPhone and iPad modes using the Device selection tool in the editing tool bar section above the main edit area.

Control Pads & Panels

On the right hand side of the main screen there is the control pads and panels "tree". Selecting a pad or a panel within this area will cause the selected item to be displayed in the main display area of SQD ready for editing.

Clicking on the hide/show arrows will expand and contract the display of control panels for each control pad.

Changing the order of Control Pads

Control pad order can be changed by dragging and dropping the control pads within this tree.

Changing the order of Control Panels within a Control Pad

Control Panels can be dragged and dropped **within** a control pad to re-order them. Control panels cannot be dragged between control pads. If you wish to move or copy a control panel to another pad, simply copy and paste the entire contents of one panel to another.

Note that the control panels (within a control pad) shown are shown in the following order on the iPhone, iPod Touch and iPad (in 2x mode)

1) Main - this is the control panel area that is shown when a control panel is opened.

2) Top Left (Slide in Panel)

3) Middle Left (Slide in Panel)

4) Bottom Left (Slide in Panel)

5) Top Right (Slide in Panel)

6) Middle Right (Slide in Panel)

7) Bottom Right (Slide in Panel)

Renaming the "Main" control panel has no visible effect on the iPhone as this panel has no visible name tag. However this name is shown on the iPad in the navigation buttons at the bottom of the screen.

The Setup Control Pad

This cannot be edited within the editor. It is not recommended that user attempt to edit this from within the xml documents directly as this is a key element, that if changed or missing may cause SQ Remote to crash.

Control Pad PopUp Menu

Right clicking on a 'selected' control pad in the Control Pads and Panels section will bring up the popUp menu as shown here. Make sure that the control pad is 'selected' first with a left mouse click, as a right click will not 'select' a control pad or a control panel. This menu will only appear if a control panel is
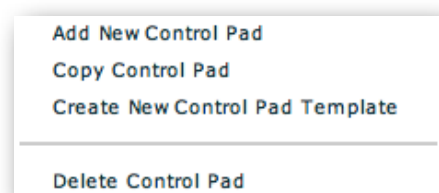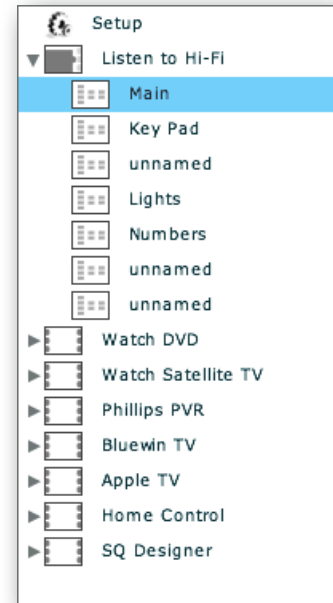
selected.

The options are:

- **Add a New Control Pad**: creates a new control pad in the current configuration and adds it to the bottom of the tree.

- **Copy Control Pad**: creates a copy of the currently selected control pad and adds it to the current configuration and adds it to the bottom of the tree. (Note to copy a control pad to another configuration, you will need to create a template. See below).

- **Create New Control Pad Template**: creates a template from the currently selected control pad. (includes all the control panels within the current control pad.) See the section on Templates later in this user guide.

- **Delete Control Pad**: deletes the currently selected control pad. Note that this is irreversible!

Control Panel PopUp Menu

Right clicking on a 'selected' control panel within the tree will bring up a popUp menu with one option that allows you to create a New Template for the selected control panel (This is the panel that is on display in the middle of the editing area). If a control panel is not selected then this menu will not appear.

Editing a Control Pad

Control pads can be edited in the following way:
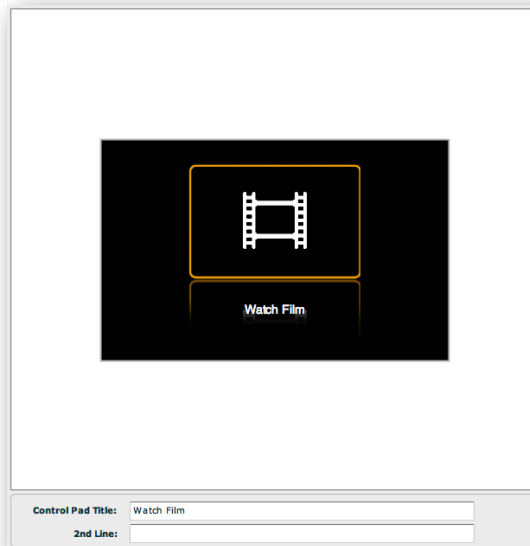
- **Image**: drag a new image from the "Carousel Images" area from the right hand side of SQD into the control pad area.

- **Title and 2nd Line** - simply edit the text in the 2 text fields presented at the bottom of the screen

Note: *SQ Designer does not support adding new images for the carousel at this time.*

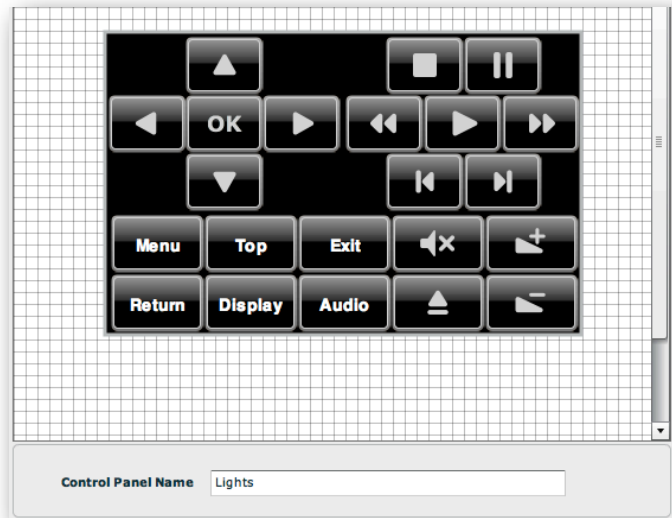### Editing a Control Panel

This is the main editing area of SQD.

Control Panel Name

SImply edit the name in the text field at the bottom of the screen. remember that the control tabs in SQ Remote do not allow long titles, so it is recommended that you keep your panel names short!

Device Type Selection

The size of the control pad area can be chosen depending on the target device. This feature is still under development and will tie together with the release of additional applications for these platforms. A universal application that runs as a native app on the iPad is currently under development.
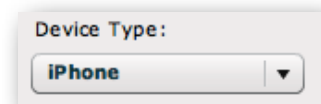
Adding Controls to Control Panels

Simply drag the required control types from the control element area on the right hand side of the screen and drop it into place on the "open" control panel.

- **Standard Buttons**: These are standard IR type button controls that can be linked to any IR command or to a macro. Find the size / shape that you want and drag it to where you need it.

- **Standard Icons**: Drag these into the buttons on the control pad to give them icons. Alternatively you can add icons in the Button Editing Screen (see below):

- **Other Controls**: This is where you will find the other standard control elements such as:

    - Labels

    - Grouped Circle Controls

    - Standard List Controls

    - Standard WebViews

    - Home Automation Controls (MiOS)
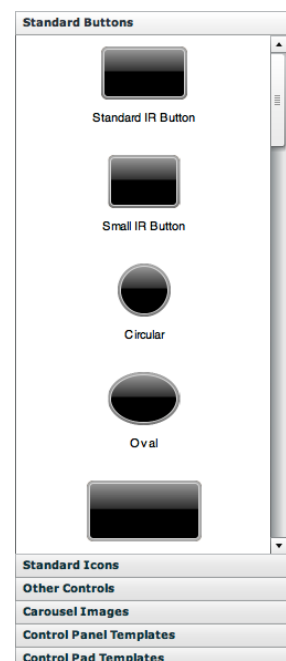
Editing Controls within the Control Pad Area

SQD offers many of the standard controls for manipulating images within a canvas that you will find in most graphic packages:

Select: To select any one control, simply left click on it. It will then shown a faint selected rectangle.

Multi-Select: To select more than one control, hold down the shift (or command OSX) key and click on additional controls.

Selection Box: To select more than one control with the mouse, click and drag a rectangle around (or across) any controls to select them. Any control that is within (or bisected by) this selection rectangle when the mouse button is released will remain selected.

Select All: By selecting "Select All" from the Edit menu, or by pressing ⌘+A or (Ctrl+A Win/Lin) all the items on the control panel will be selected.

Deselect All: By selecting "Deselect All" from the Edit menu, or by pressing ⌘+D or (Ctrl+A Win/Lin) any selected items on the control panel will be de-selected.

Move controls: Click within a selected control and drag it to where it is wanted. If there are more than one control selected, then they will be moved as a group.

Nudge controls: Selected controls can be 'nudged' by pressing the arrow keys (up/down/left/right). Holding the arrow keys down will cause the selected items to be moved more rapidly. Single taps to the arrow keys will cause selected items to move by 1 pixel.

Copy: To copy a control (or selection of controls), select "Copy" from the Edit menu, or press ⌘+C (Ctrl +C Win/Lin). Copied controls can be pasted onto the same control panel or other control panels. The complete configuration of each control is copied.

Paste: Select "Paste" from the Edit menu, or ⌘+V (Ctrl +V Win/Lin) to paste copied items to the current (displayed) control panel. Copied objects will be pasted with a slight off-set from their original position, or centered around the last mouse click on the screen.

Cut: Select "Cut" from the Edit menu, or ⌘+X (Ctrl +X Win/Lin) to paste copied items to the current (displayed) control panel. Copied objects will be pasted with a slight off-set from their original position, or centered around the last mouse click on the screen.

Delete: Select the items to delete, then press the Delete or DEL key.

Undo: While in the same control panel, you can undo up to 100 edit steps. To undo an edit press ⌘+Z (Ctrl +Z Win/Lin). Note that if you leave a control panel to move to another, the control panel is saved, and all 'undo' information is lost.

Snap to grid: The user can opt to set a specific grid size and to turn 'snap to grid' on to line up controls more easily. The user can change the grid size for either the x, or y direction, and elect to snap to the x, y grid lines or both. Note that this snap occurs after the mouse is released on a control. The grid controls are between the the main editing area and the tab selection at the top of the screen

Align/Arrange controls: 12 alignment buttons are provided for rapid and accurate layout control. There are also two additional buttons that allow you to manipulate the z-order of the

Bring to Front: The selected controls will be brought to the front (so that they will be in front of other controls. This is useful in arranging controls if they overlap.

Send To Back: The selected controls are sent to the back so that overlapping controls will be seen in front.

Align Left: The selected controls will be aligned on the screen with the left hand side of the control that is furthest to the left within the selected group.

Align Right: The selected controls will be aligned on the screen with the right hand side of the control that is furthest to the right within the selected group.

Align Top: The selected controls will be aligned on the screen with the top edge of the control that is highest within the selected group.

Align Bottom: The selected controls will be aligned on the screen with the lower edge of the control that is lowest within the selected group.

Align Center Vertical: The selected controls will be aligned about their vertical centers. Their position after centering will be at the vertical center of the selected group.

Align Center Horizontal: The selected controls will be aligned about their horizontal centers. Their position after centering will be at the horizontal center of the selected group.

Distribute Evenly Vertical: The selected controls will be distributed evenly between the two controls that are the highest and lowest within the selection.

Distribute Evenly Horizontal: The selected controls will be distributed evenly between the two controls that are the furthest to the left and right within the selection.

Stack Vertically: The selected controls will be distributed automatically in a vertical stack on the screen with zero pixels between them.

Stack Horizontally: The selected controls will be distributed automatically in a horizontal row on the screen with zero pixels between them.
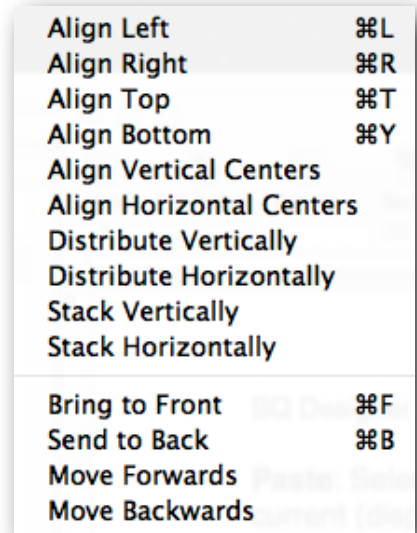
Button Control Editing

To edit a button within a control panel, select it then right click on it. This will open the button editing screen: You can also open the edit screen by double clicking on a control.

Change Button Size/Shape: To change the button type, drag a new button image into the preview screen.

Change Icon: To change the icon, drag a new icon into the preview screen.

Remove Icon: Click the Remove Icon button.

Add / Change Text: Enter text into the text field.

Command Type Selection: Change the type of command with the radio selection buttons (Infrared Command or Macro).
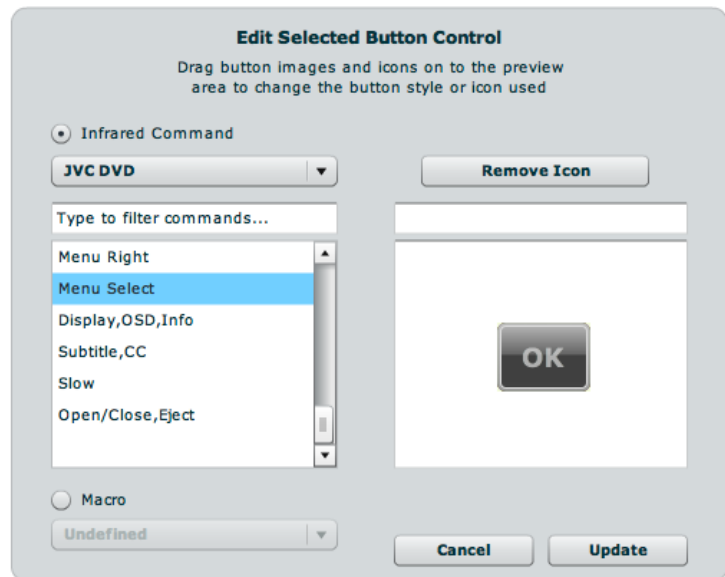
IR Command Selection: If this is selected, then the assigned command can be selected by selecting the device from the drop down box: Select Device, then select the command from the list. You can search for commands in this list by typing your search text in the text box above the list of commands. Note that the devices and commands that are displayed here are those that are available within the current configuration that is being edited. To add new devices these will need to be added to the configuration (See the section on managing AV devices)

Macro Command Selection: If Macro is selected, then a macro can be selected from the drop down box of macros that are available within the current configuration. You can create new macros and edit existing ones (as well as test them) in the macro section of SQD. Note: You must create macros within the current configuration before you can assign them to buttons.

To discard your changes, press cancel, or to keep any changes that you have made, press the update button. This will take you back to the control panel for further editing.

Button Control Assignment Review

At the top of the editing area there is the option to show control assignment (as within the SQ Remote iPhone app).

When this is selected any control that has an assignment to an IR Command or a Macro will show a green assignment icon. Unassigned controls will show a grey assignment icon.

This is to allow rapid localization of controls that are not yet assigned.

Note that this feature has only been enabled for IR and Macro commands and is only present on Button controls.

Testing Button Controls

A further option that has been provided to make editing and setup as useful as possible is the ability to test buttons (send IR commands) directly from within the editor.

When this is selected, then all editing options on the control panels are suspended, and the buttons act as 'buttons' , clicking on the buttons will cause SQD to send IR blast commands to the blaster that the commands are assigned to.

The commands that are sent to the blaster are shown in the console area at the bottom of the editing screen.

Note that this 'in-situ' testing is limited to IR commands only.

Label Control Editing

To edit a label within a control panel, select it then right click on it. This will open the label editing screen:

Change Text: Simply edit the text in the text entry area.

Text Size: Change the size of the text in the "Size" box.

Bounding Box: If you change the size of the text, you may need to change the bounding box to prevent clipping of the text.

Text-Color: Click on the color selector and select a new color for the text.

Alignment: The alignment of the text within the bounding box can be selected using the 3 alignment buttons.
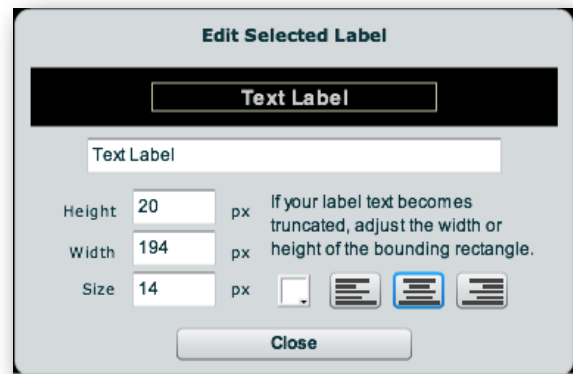
List Control Editing

To edit a list control, select it on the control pad and then right click on the control. This will open the editing screen for the selected list control.

List Selection: Select the list that the control should display (within SQ Remote), and the device that should be used for channel control. Note that you must select both list and device, even if there are no channels defined within the list control.

Lists can be added and edited within the Command List area of SQD. You can also create a library of lists of your favorite channels that can be quickly added if you are configuring multiple systems. Lists can be exported and exchanged with other users.

WebView Control Editing

To edit a WebView control, select it on the control pad and then right click on the control. This will open the editing screen for the selected web view control.

You can then select the URL for the web view from the drop down list. Note that only those URLS that are defined within the configuration will be displayed here.

URLs can be added to the configuration in the URL section of SQD. You can also create a library of your favorite URLs that can be quickly added if you are configuring multiple systems.

Edit Selected WebView Control

Current URL: http://www.imdb.com

Select the URL that you want to point this Web Control at.
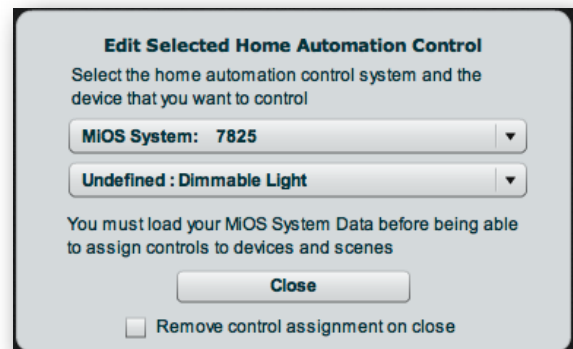
IMDB : http://www.imdb.com

Close

Editing of Home Automation Controls

To edit a home automation control, select it on the control pad and then right click on the control. This will open the editing screen for the selected control.

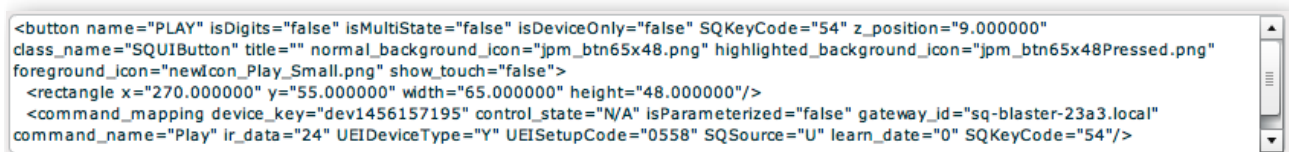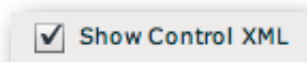You can then assign the selected control to a MiOS[1] system, and then a device or scene within the selected system.

In order to edit the assignment of home automation controls you first need to connect to your MiOS systems from within SQ Designer.

Edit Selected Home Automation Control

Select the home automation control system and the device that you want to control

MiOS System: 7825

Undefined : Dimmable Light

You must load your MiOS System Data before being able to assign controls to devices and scenes

Close

☐ Remove control assignment on close

See the section entitled Connecting to MiOS System later in this user guide.

Reviewing the control XML

This is an advanced feature intended for technical support, but you can also use it to inspect (and take a peek at) whats going on under the hood. When the "Show Control XML" option is selected, a small display window appears at the bottom of the screen to display the underlying XML of any selected control.

☑ Show Control XML

```
<button name="PLAY" isDigits="false" isMultiState="false" isDeviceOnly="false" SQKeyCode="54" z_position="9.000000"
class_name="SQUIButton" title="" normal_background_icon="jpm_btn65x48.png" highlighted_background_icon="jpm_btn65x48Pressed.png"
foreground_icon="newIcon_Play_Small.png" show_touch="false">
  <rectangle x="270.000000" y="55.000000" width="65.000000" height="48.000000"/>
  <command_mapping device_key="dev1456157195" control_state="N/A" isParameterized="false" gateway_id="sq-blaster-23a3.local"
command_name="Play" ir_data="24" UEIDeviceType="Y" UEISetupCode="0558" SQSource="U" learn_date="0" SQKeyCode="54"/>
```

[1] Vera from Mi Casa Verde is a MiOS system

An explanation of the XML used for individual controls within SQ Remote is beyond the scope of this user manual, but access to this information can be exceedingly useful if you need to contact Square Connect for support reasons.

The contents of this XML window are updated when a control is selected with a single click. The contents are not cleared or updated by clicks elsewhere in the control panel. Make sure that the xml in the window is the correct xml code for the control that you are interested in by clicking on the required control before viewing the xml.

To copy the xml from this window you will need to use the mouse. Right click anywhere in the xml window and select: "Select All". Then right click a second time and select "Copy". The contents of the window have now been copied to the clipboard and can be pasted to any other application.

Expand the XML Window

You can expand this XML area by clicking on the small "drag" icon above the XML area. Click, hold and drag up or down to expand this area.
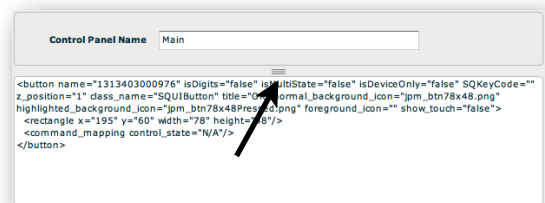
Working With Templates

SQD has been designed to allow the user to create templates out of control pads and panels for reuse within the same configuration or to allow the rapid creation of new configurations using your own trusted layouts and preferences. SQ Designer does not come with predefined templates.
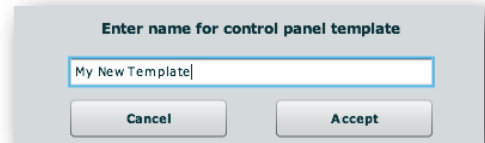
Control Panel Templates

SQD allows the user to create templates from the current "selected" (displayed) control panel.

Creating new Control Panel Templates

To create a new template, either select "Create Control Panel Template" from the "Template" menu at the top of the screen, or left click on the **selected** template name in the Pads and Panels Tree on the left hand side of the editing screen.

You will then be requested to enter a name for this new template:

After entering a new name for the template, press the "Accept" button and a new template will be added to the Control Panel area, complete with a "screen shot" of the template.

Using Control Panel Templates

To use a control panel template, select the control panel where you want to add the template. Then simply drag and drop the template onto the current control panel. This will cause the controls within the template to be copied to the control panel.
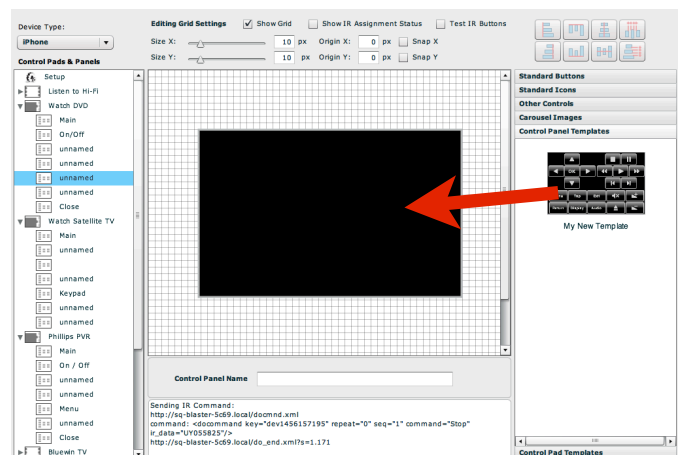
Reassigning IR commands on multiple controls

When a template is added to a control panel, the control assignments of those controls will be the same as when the control panel template was created. SQD provides a simple way of reassigning multiple controls quickly and easily.

This can be useful when:

- The user has changed devices (like swapped out a TV).

- The user is creating a new setup for a different user / customer who has different equipment or the equipment is controlled through a different blaster.

To reassign multiple commands select multiple button controls and then right click on one of the selected controls, and the screen as shown on the right will appear.

Simply select the device (within the current configuration) that the selected controls should work with, and SQD will attempt to move all the assignments to the newly selected device.

SQD will *attempt* to convert all commands 1:1 to the new device. The assignment to the correct blaster will occur automatically. If a control does not map 1:1, SQD will set the command to undefined … which will allow the user to identify unassigned commands that could not be converted.

To ensure that commands can be converted in this way, it is important to use the standard SQ command names when learning new commands so that SQ Remote can smoothly transfer between devices.

Deleting Control Panel Templates

To delete a control panel template, simply select the template in the list of control panel templates that you want to delete, and then right click on it. A popUp menu option will appear to allow you to delete the selected template.

Control Pad Templates

SQD also allows the user to create templates of complete control pads in the same way as for control panels.

Creating new ControlPad Templates

To create a new control pad template, select the control pad that you want to use, then either -

- right click on the control pad in the control pad and panels tree, to bring up the popUp menu, or

- select Create Control Pad Template from the "Templates" menu.

This will bring up the name entry screen for the control pad template.

After the "Accept" button has been pressed a template will be added to the control pad templates list.
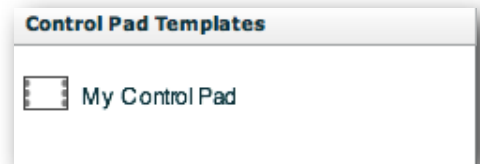
Using Control Pad Templates

To add a control pad template to the current configuration, select the template within the control pad template list, and drag the selected template across the screen and drop it into the Control Pad and Panel tree on the left hand side of the screen.
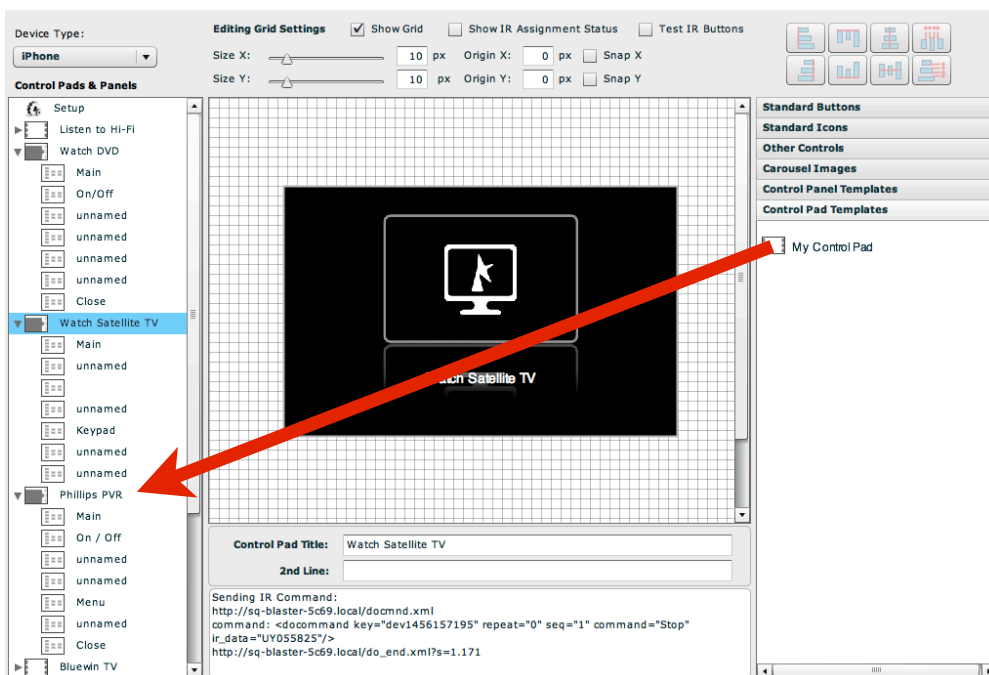
Once a control pad template has been dragged to the current configuration it can then be edited and any required control assignments can be carried out.

Deleting Control Pad Templates

To delete a control pad template, simply select the template in the list of control pad templates that you want to delete, and then right click on it. A popUp menu option will appear to allow you to delete the selected template.

Managing Your SQ Blaster Devices

SQD allows you to manage your SQ Blaster devices, add new ones to your configuration and to build a library of devices. Note: SQD will **not** automatically detect and install SQ Blaster devices, but they can be added manually of the device ID is known or if the IP address is known.

The SQ Blaster Management screen is shown below. This is accessed by tapping on the SQ Blasters Tab:
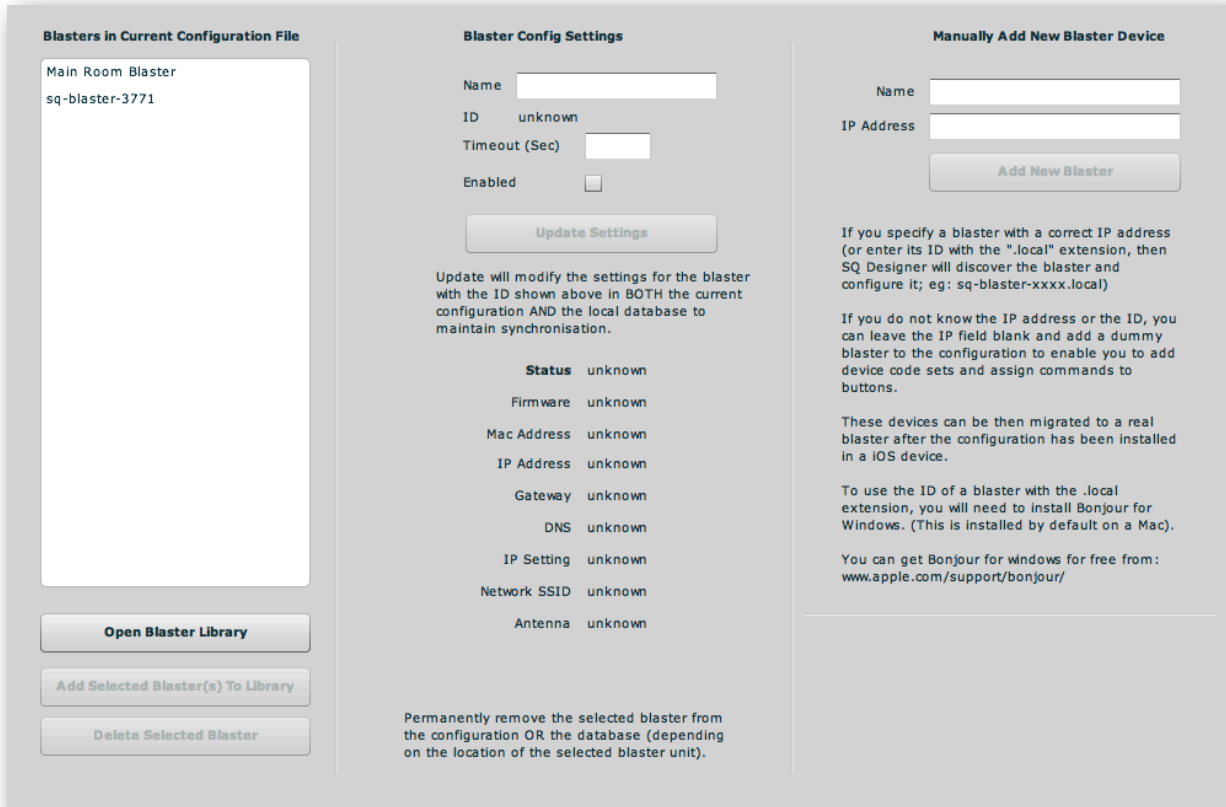
Blasters that are already held within the configuration will be shown in the list on the right.

Testing a Blaster: Selecting a blaster within the list will cause SQD to query the selected device for status. This will be shown in the status area in the center of the screen.

Changing a Blasters Name: To change the name of a blaster within the configuration that is being edited select the blaster within the list and then edit the name of the blaster in the text field at the top center of the screen under "Blaster Config Settings". Commit any changes that you make by pressing the 'Update" button.

Changing the Blaster Timeout Value: To set the period that SQ Remote will wait before declaring a blaster unit "unreachable", change the value in the timeout box. Commit any changes that you make by pressing the 'Update" button.

Enable / Disable a Blaster: Blasters may be kept within a configuration but "disabled". Blasters that are disabled will no longer be shown as connected or disconnected. Commit any changes that you make by pressing the 'Update" button.

Add New Blaster: New blasters can be added to the current configuration by entering a name and the IP address of a blaster unit (or its ID followed by ".local" - example "sq-blaster-3771.local"). Note that the .local name convention will only work if you have Bonjour installed on your computer (available free from Apple for the PC). Pressing the "Add" button will create a new blaster unit within the configuration. If the IP address is unknown - a "pseudo" blaster can still be added to enable a configuration to be completed. Devices can then be "moved" to a real blaster at a later

time. You must add at least one blaster to the configuration to be able to add AV devices (and thus IR code sets).

Blaster Library

SQD allows the user to create a library of blaster systems. This is mainly for installer use, where the ability to add customer blasters to new configurations can be useful.

Blaster devices can be added and deleted to and from the library and added to the library from the current configuration. Simply select the blasters within the list to add or copy, and then select the correct action: Add, Delete etc..
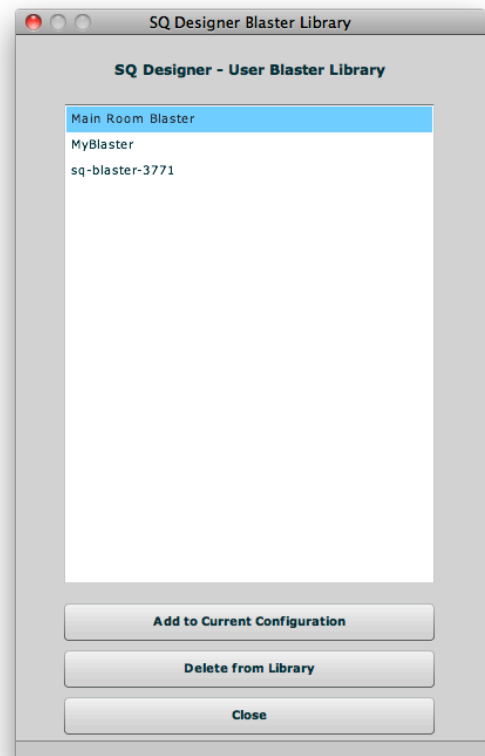
Managing AV Devices

SQD allows you to manage your AV devices for your current configuration as well as create your own libraries of often used devices. This also includes creating your own devices (code sets), importing, exporting and direct testing. SQD also includes the full double IR database that is used within SQ Remote.
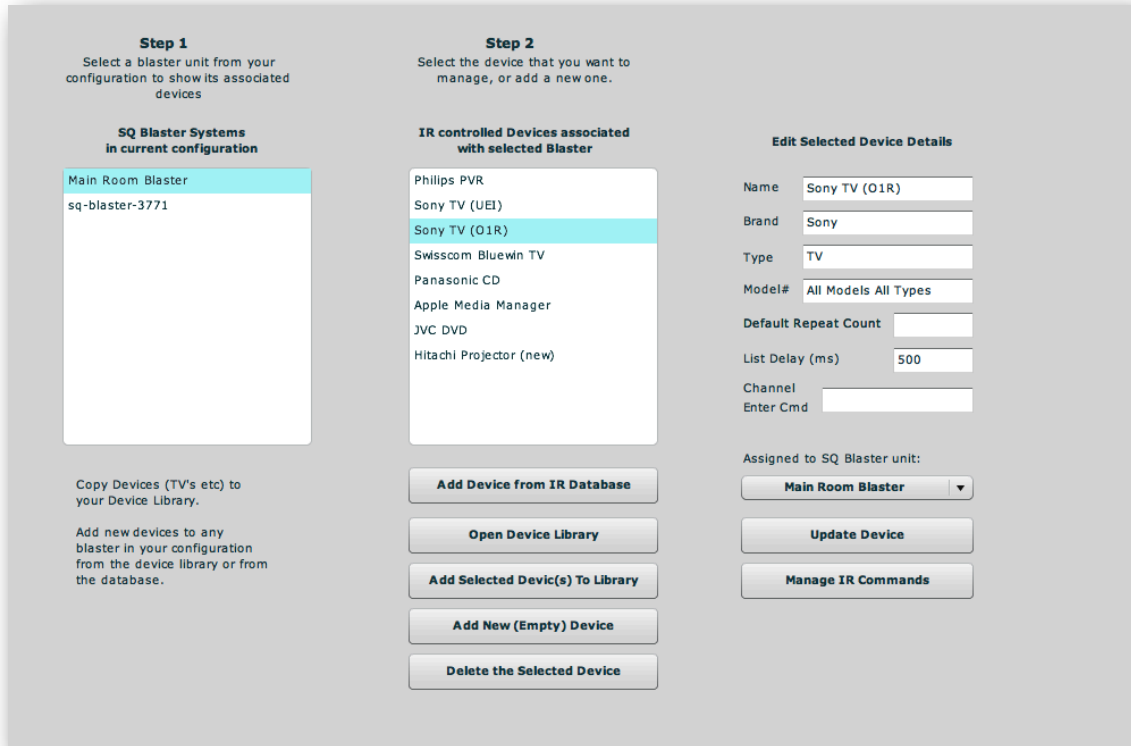
Selecting a Device within the Current Configuration

To see which AV devices are associated with each blaster in your configuration, select a baster in the list on the right. If you need to add blaster units - you can do so in the blaster page. See the previous section of this manual for more information.

Once a blaster is selected its "devices" are shown in the center list. You can add devices, delete devices and move devices between blasters.

Deleting Devices

To delete a device, select it and press the delete button. You can select multiple devices to delete if you wish. If you select to delete a device that you have not saved to your Device Library, SQD will ask you to confirm your decision to delete.

Moving Devices between Blaster Units

Select the device that you wish to move, then select in the Edit Selected Blaster area, select the blaster you want to move the device to from the drop down list. Once you have selected the correct blaster, simply press the "Update Device" button and the device will be reassigned.

Editing Devices

If you want to edit the meta-data of a device, select it then edit the data in the Edit Selected Blaster area of the AV Devices screen. Press the "Update Device" button to commit your changes. if you change the name of a device that you already added to your Device Library, and then try to add it

to your library again, SQD will create a new copy of your device within the Library - it will not overwrite the existing device. If you try and save the same device to the library twice, SQD will ask if you want to create a new copy.

Creating and using a Device Library

As already mentioned SQD allows you to create libraries of the most common devices that you use to create configurations. This is intended to assist installers that install the same kinds of equipment, and makes device selection simple and easy.

It also allows the installer to create their own personal library of devices with their own code sets etc. To add devices to the library, select the devices you want to add, and then press the "Add Device(s) to library button.

To open the library, press the "Open Device Library"

Once the separate Library window is opened you can select and add devices to the current configuration.

When you add devices to a configuration you must select the blaster that you are adding the devices to.
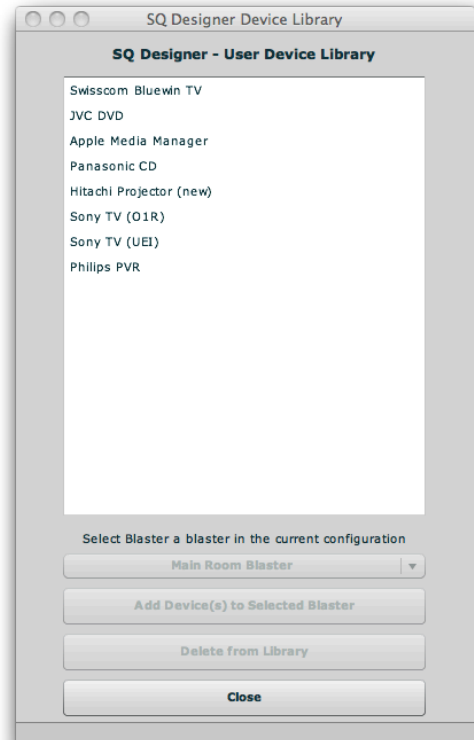
Adding Empty (New Devices)

To add new (empty shell devices) to the currently selected blaster simply press the "Add New (Empty) Device" button. This adds a new device to the blaster that has no IR commands and no meta data. You will need to add the meta data yourself. IR commands can be then learned or imported from external files (see the section on Managing IR Command Sets)

Add Devices to a Blaster From the IR Database

To add new devices from the SQ Database, select the blaster that you want to add a device to, then press the "Add Device From IR Database" button. This will open the IR Database window (see screen shot below). The process for selecting a code set is:

(1) Select the brand, (2) Select the device Type, (3) Select the Code Set, (4) Select the Blaster that you want to add the code set to.

If the selected blaster is available (on your network) you will be able to test any of the codes by selecting it in the code set list, then pressing the "Test Selected Code" window. You can choose between "Press and Hold" or "Macro mode" (macro mode = fixed number of repeats). Once you are happy that the code set you have selected is the one that you need, press the "Add Device" button.

You may select several devices, one after another before closing the Add Device window.
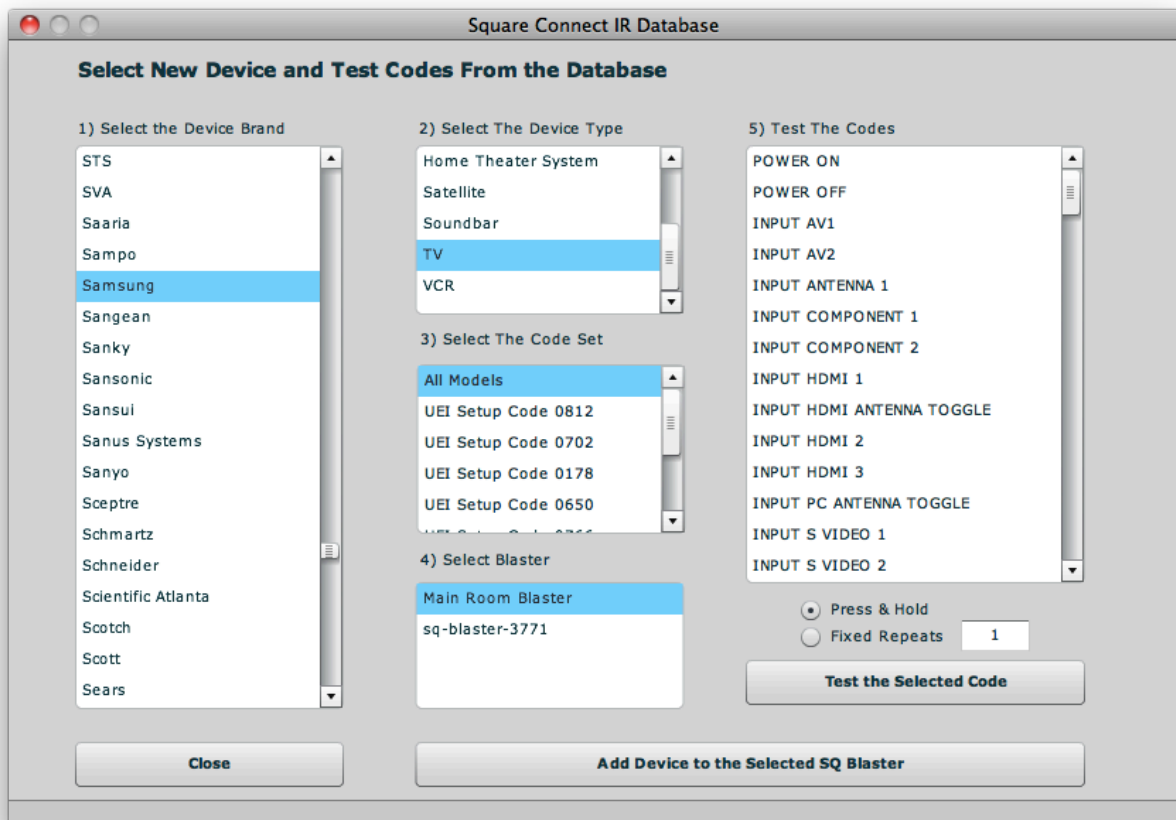

Once you have added code sets as described above, these code sets (as devices) will be available to you within your configuration for assigning to controls within your control pads.

Managing IR Command Sets

SQD gives you the ability to manage the individual code sets for your devices. Select the device that you want to manage in the devices list within the AV Devices screen. Remember to select the correct blaster first. Then press the "Manage IR Commands" button.

Within this area of SQD you can:

- Test IR Commands,

- Change command Names

- Learn Codes

- Enter (paste) Pronto Hex codes

- Add New Commands

- Import and Export command sets
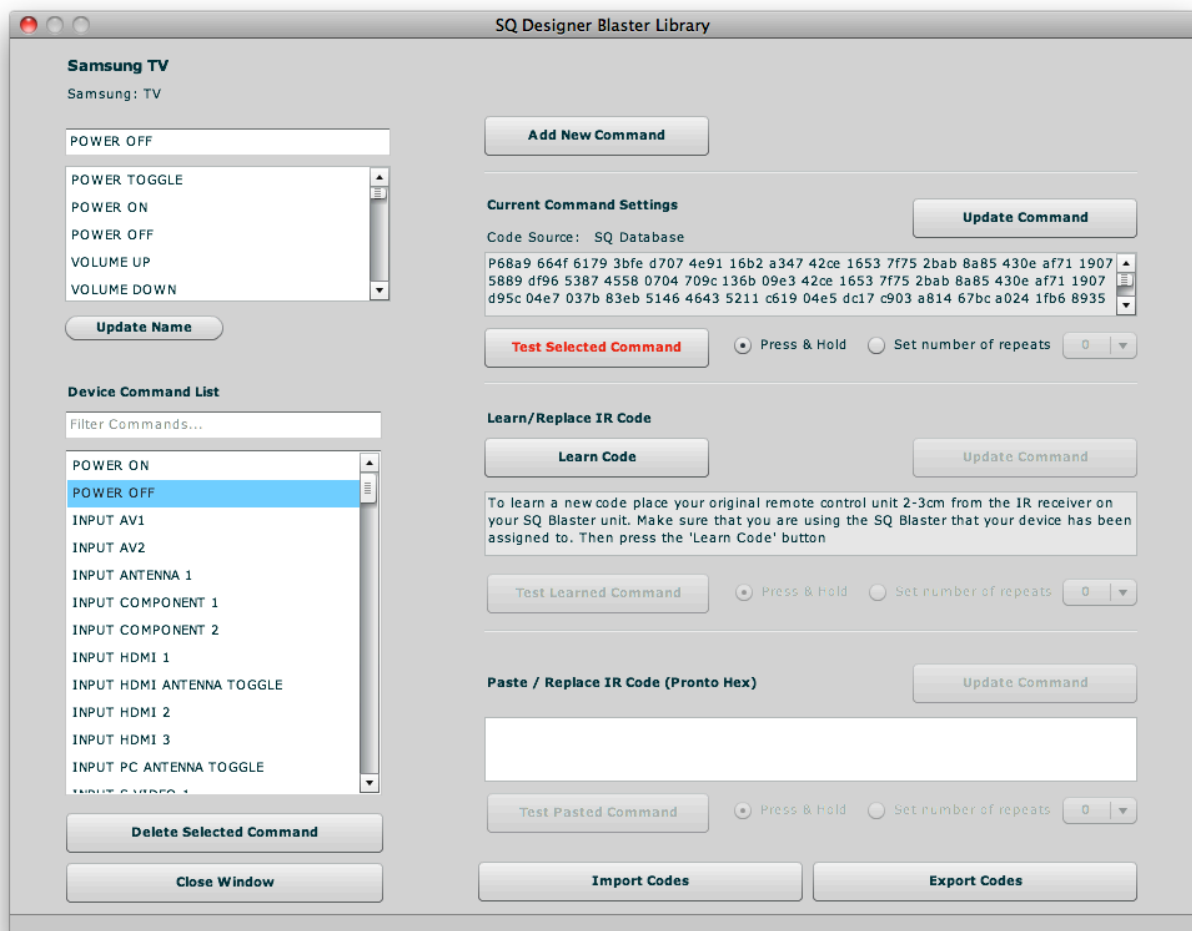
Testing IR Commands

Select the command that you wish to test, and press the Test button = if the blaster that this code set (device) is associated with is on your local network, the text on the test button will turn green. You can test the code in both "Press and Hold" mode and in "Macro Mode" (macro mode = fixed number of repeats).

Changing Command Names

Simply edit the command name within the text field for the selected command and then press the "Update Command" button.

Learning IR Codes

Select the command that you want to learn (overwrite) or create a new command (see note above on standard names. Then press the learn code button, you will be guided through the process of learning a command with on screen prompts. The process of learning is essentially the same as within SQ Remote. Once you have learned a new code and are happy with it you can press the "Update Command" button to commit the code to the selected command.

Entering a Pronto Hex Code

Select the command that you want to add the code for from within the existing code set, or create (add) a new command. Then cut and paste the pronto hex code into the code window at the bottom right hand side of the screen. You can then test this code immediately with the test button. if you are happy with the code, you can commit this with the "Update Command" button.
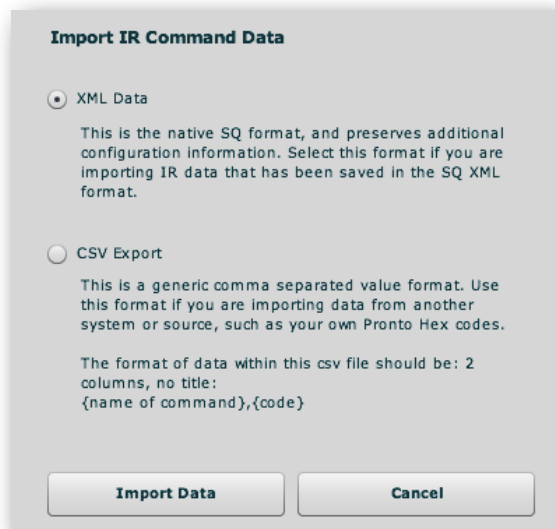
Importing Code Sets

To import sets of IR codes SQD gives you two options. You may either :

1) Import a standard SQ XML format file (as is created when you export a command set). This option is most useful when sharing code sets between users of SQ Remote

2) Import a code set from a csv (comma separated value) file. This is most useful if you have an existing code set in pronto hex format that you want to import.

   The format for this file is: {command name}, {IR Command Data}. Each line should only contain two elements separated by a "comma". The first line should not contain titles.

Select the method of import them use the file browser that opens to select the file that you wish to import.

Import IR Command Data

⦿ XML Data

This is the native SQ format, and preserves additional configuration information. Select this format if you are importing IR data that has been saved in the SQ XML format.

○ CSV Export

This is a generic comma separated value format. Use this format if you are importing data from another system or source, such as your own Pronto Hex codes.

The format of data within this csv file should be: 2 columns, no title:
{name of command},{code}

| Import Data | Cancel |

Exporting Code Sets

SQD gives you 2 options to export IR Codes:

1) Export in the native SQ XML format. This exports an xml file that can be shared between users that carries all additional metadata (such as which command settings are used -eg: press & hold vs macro mode).

2) CSVExport: This exports the current code set in a csv file format. This allows you to export codes to be used in 3rd party applications that use the SQ Blaster.

Export IR Command Data

◉ XML Data

This is the native SQ format, and preserves additional configuration information. Select this format if you are transferring IR data between configurations for SQ Remote.

○ CSV Export

This is a generic comma separated value format. Use this format if you are exporting the IR data to use with the SQ Blaster in a different control application.

Export Data   **Cancel**

Note on code export:

*The codes held within the SQ Remote database have been encrypted for use with the SQ Blaster. They will not work with other systems. The SQ Blaster **will** however recognize and accept imported pronto hex codes. This export mechanism is provided for users to obtain the maximum utility with the SQ Blaster system and to promote the exchange of learned code sets between users. Abuse of this functionality with the intent to extract the codes within the SQ Database for decryption purposes will be pursued with legal action to the fullest extent.*

Adding New Commands

If you add new commands to a device, you will need to name the commands. The fields in the upper left hand corner of the screen allow you to change the name of any selected command (new or existing).

To change the name of a selected command (select the command from the command list - these are listed in the larger (longer) list below the name section on the left hand side of this screen.

The name of the selected command will appear in the name box. Simply edit this name and click update name to change the name of the selected command.

POWER ON

POWER TOGGLE
POWER ON
POWER OFF
VOLUME UP
VOLUME DOWN

Update Name

Standard Command Names

The small list box below the name entry field shows the square connect standard command names. You can select a name from this list by clicking on it. Using standard names is recommended, as this will allow the auto - assignment of command codes to the control panel templates within SQ Remote. SQ Remote cannot auto assign non-standard command names.

Macros Screen

SQD gives you full macro editing capabilities - allowing you to edit and test macros, both at the individual step stage and the full macro level.

Note: SQD does not yet have the ability to fire scene commands to MiOS systems. These steps are "skipped" during a macro test.
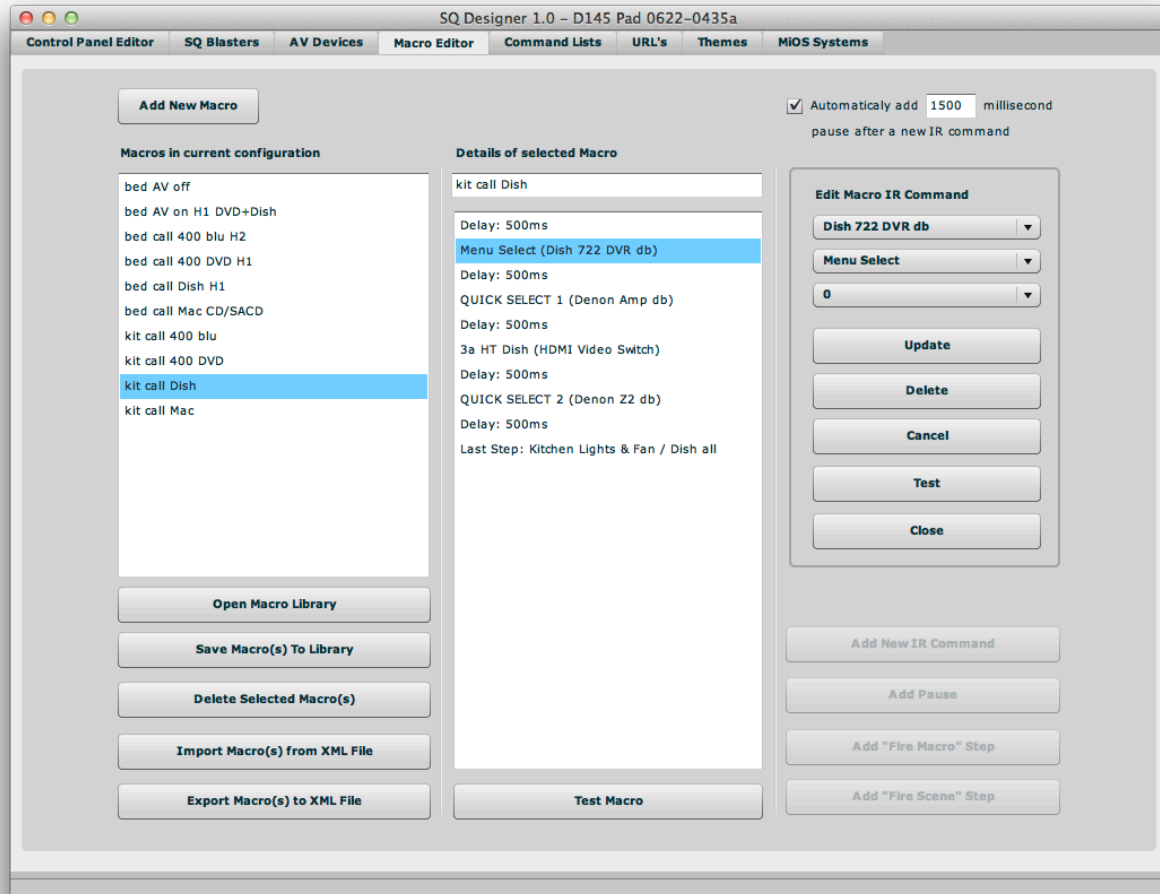

The Macro screen, allows you to:

- Add new macros,

- Save macros to a library (for installers that create macros for standardized equipment).

- Import macros from the library

- Delete existing macros

- Export macros (one or multiple) to a native SQ XML file format for transfer between users.

- Import macros XML files

- Add and edit individual macro steps - ir commands, pauses between commands, and to fire other macros. Scenes cannot be added at this time, but if they are present within an imported macro or the current configuration (imported via box.net from an iOS device) then the scene data will be maintained.

- Test the individual IR steps

- Test complete macros

Command List Screen

The command list screen allows users to manage their command lists. In particular it is intended to allow users to import / export and exchange lists of channels.
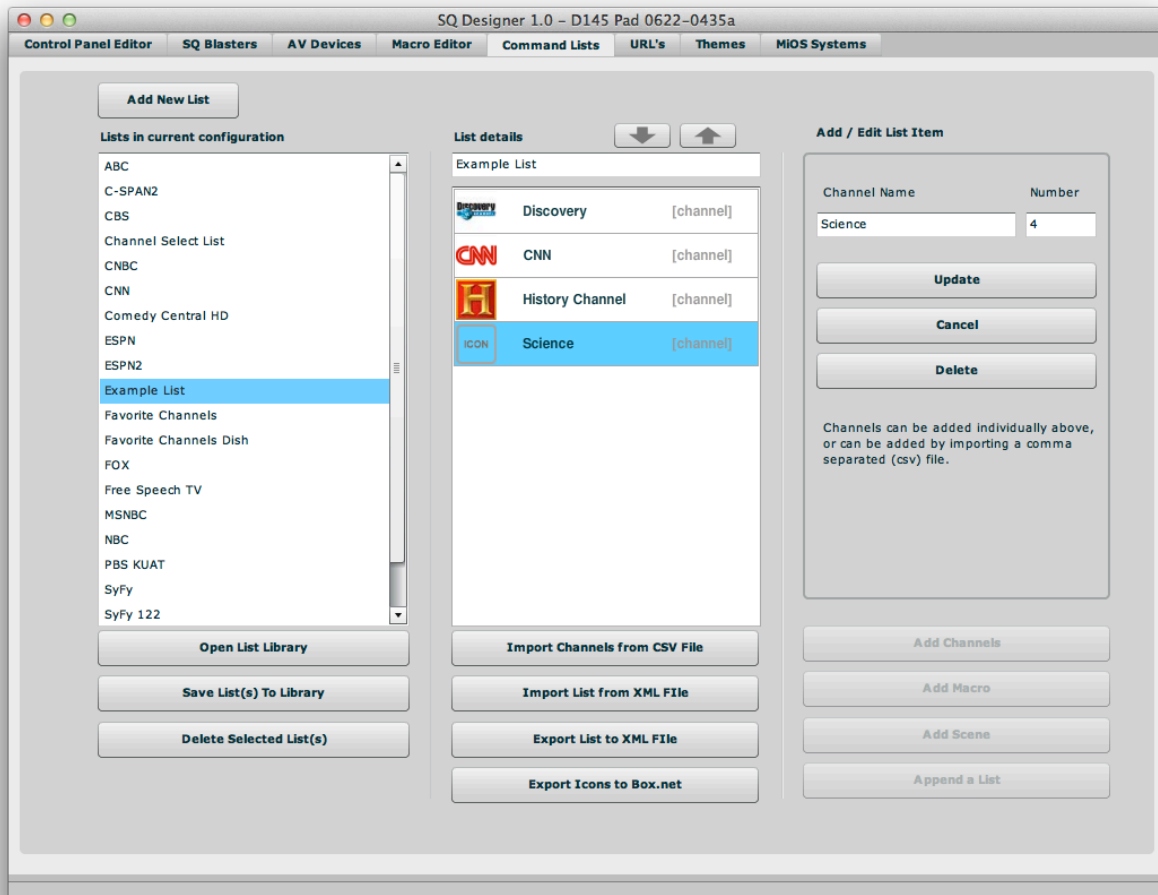
The command list screen allows users to:

- Add new lists

- Edit list names

- Save command lists to a local library for reuse in different configurations

- Import and Export Lists to native SQ XML files.

- Import of Lists from csv (coma separated value) files. This is to allow users to import files containing lists of channels that have been created in text editing software or excel.

- Add and edit new list items: Channels, Macros, Scenes, and append lists to other lists.

- Add icons to lists (drag and drop icons into the lists).

Note: To use icons you will need export your icons to box.net then import them into your SQ Remote (HD or Lite). Importing of icon images is done within the Command List setup area within SQ Remote.

Icons are saved within your box.net account in a folder named SQImages. If this folder is not present in your account, SQ Designer will create it for you when you upload icon images for the first time.

URLs Screen

The URL screen allows user to manage their list of URLs that they create / add to the SQ Remote application. URLs that are named and entered here can be tested directly. Note that url views within SQD may not appear the same as those within an iOS device as often web developers will tailor the content and layout of a web page for a specific device.

The URL screen allows users to:

- Add new URLs to their configuration

- Delete URL's

- Rename URL's

- Test URL's

- Add URL's to a local library for reuse in other configurations

- Add URL's to the current configuration from the library

Themes

The themes page provides the user with a simple drag and drop process for creating themes.

Themes are packages of image files and a descriptor xml file that are contained within a zip archive file. These zip files can be installed (loaded) into SQ Designer from the local hard drive or directly from box.net. SQ Designer also allows you to export themes directly to box.net or as a local zip file so that your themes can be shared with other users (should you so wish).

Theme files are loaded and exported through the "File" menu.

The theme area shows a list of list of available themes that have been installed within SQ Designer. Themes are not "loaded" at runtime for editing, as there are many image files that need to be loaded. If you wish to edit a theme, or make a copy of an existing theme to extend it, you must select it from the themes list on the themes screen within SQ Remote.
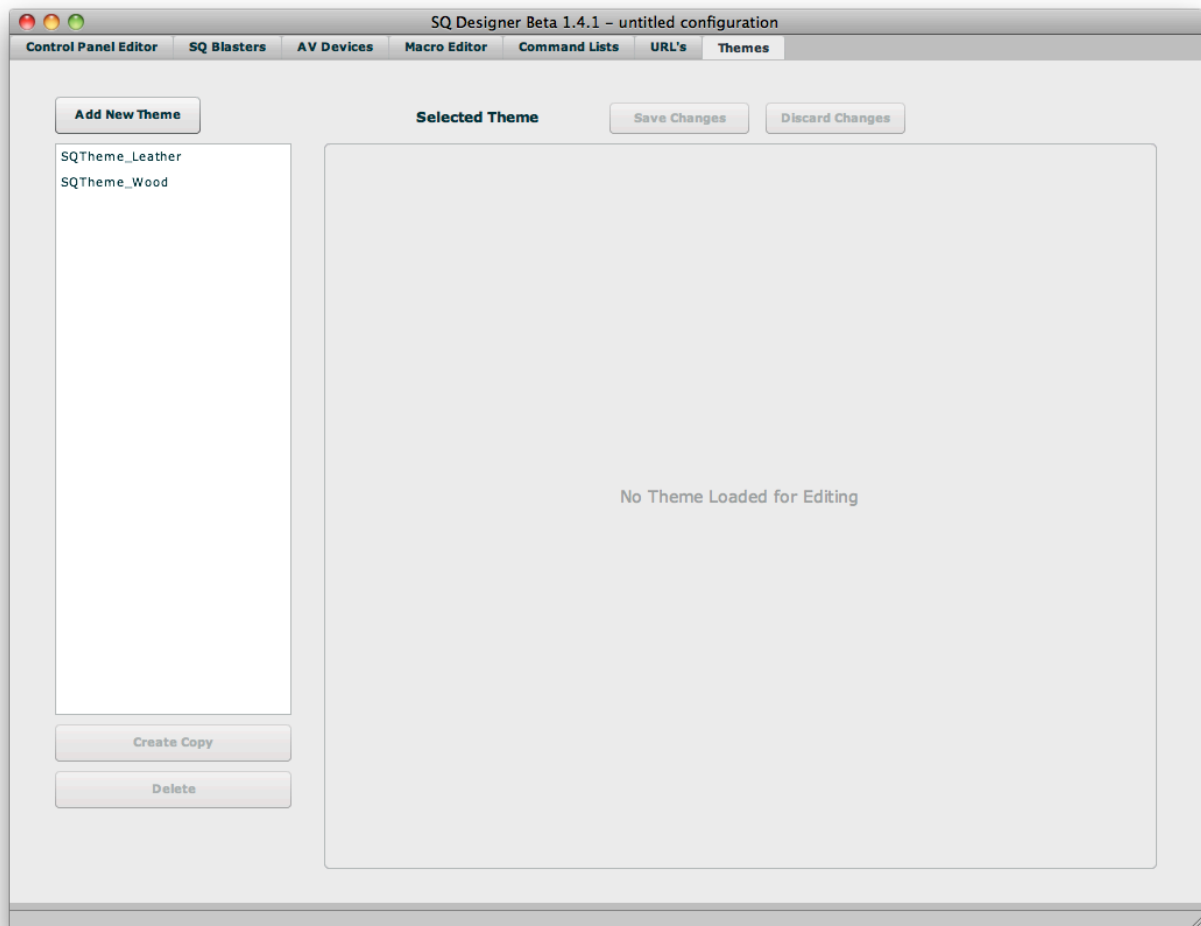

Note: It is not necessary to load a theme within the theme area of SQ Designer to use it within the editor screen.

To use an installed theme within SQ Designer in the editing area, simply select the theme from the drop down box on the
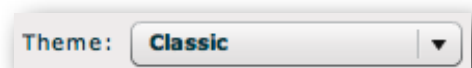
Editing Screen:

Once a theme has been selected the editor will display the theme backgrounds and control images using the selected theme. Below is an example of a screen being edited for an iPad display using an early theme.
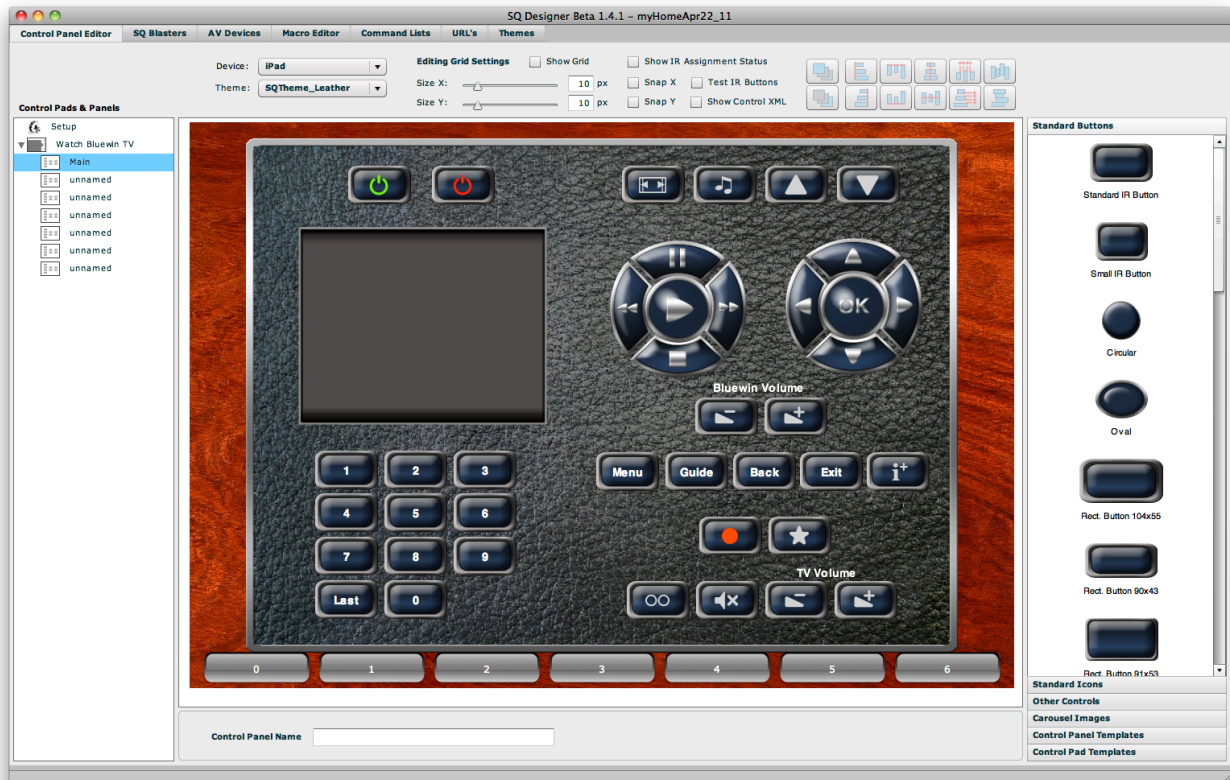

Editing and Creating New Themes

SQ Designer provides the tools to make theme creation relatively simple. You can either start from a new theme, or copy (or edit) an existing theme.

Start by either clicking the "Add New Theme" button in the SQ Designer theme area, or select an existing theme from the list of installed themes. Note - you can download themes from your box.net file (if you have any installed there), or select one from the available themes on the Square Connect website. (coming soon). If you wish - you may submit your own themes to Square Connect to be included on the website for other users to download.

Once you have selected a theme, SQ Designer will load it. This mat take several seconds so please be patient.

Once the theme has loaded the themes screen will reveal several new sections that will allow you to drag and drop new images into the theme template to create your theme.

Below: Screen shot of theme screen after loading of a theme - showing the main background images of a theme.
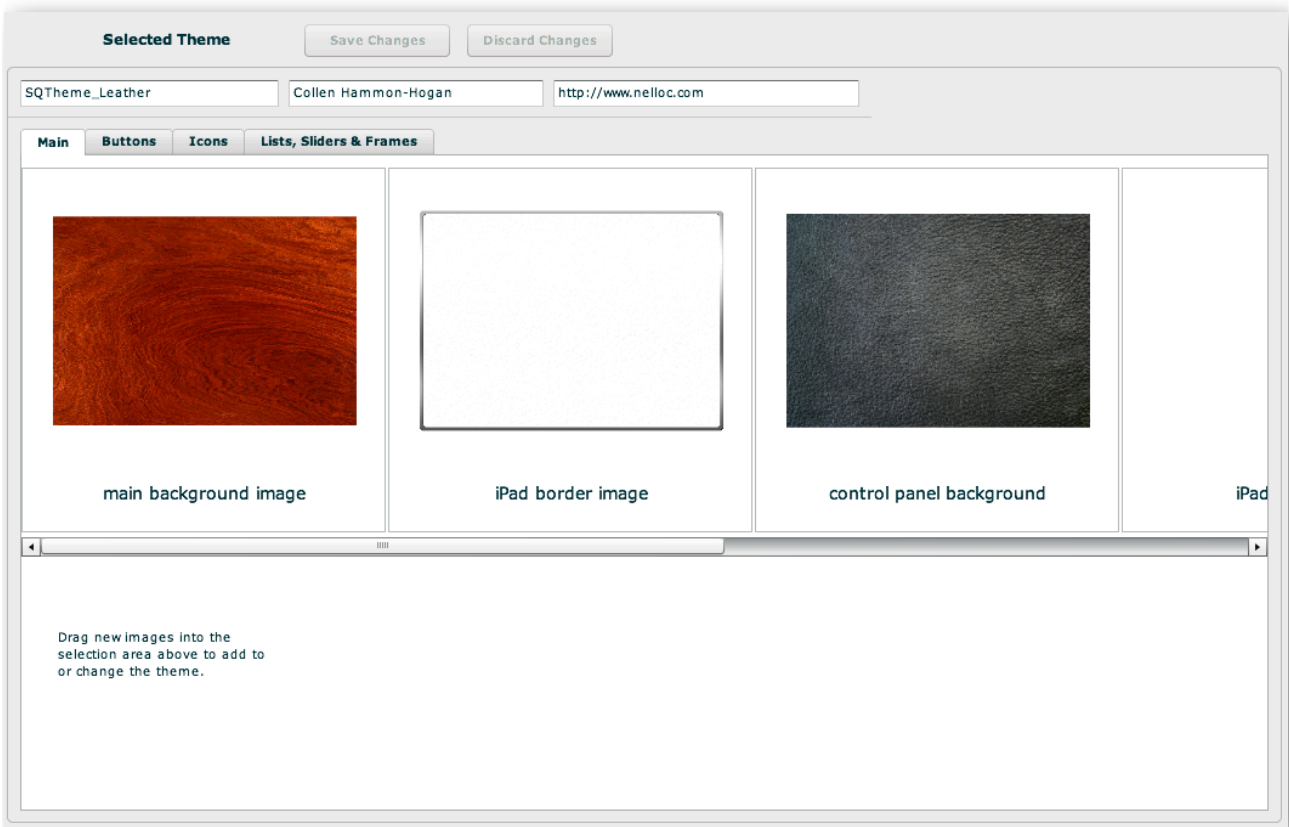
If you hover the mouse over each image, a tool tip will display the (internal) name of the image file as well as its required dimensions. To change an image within the selected theme, simply drag your new images from its location on your local drive onto the image you want to replace. SQ Designer will take the image that you drop and replace the original image with it.
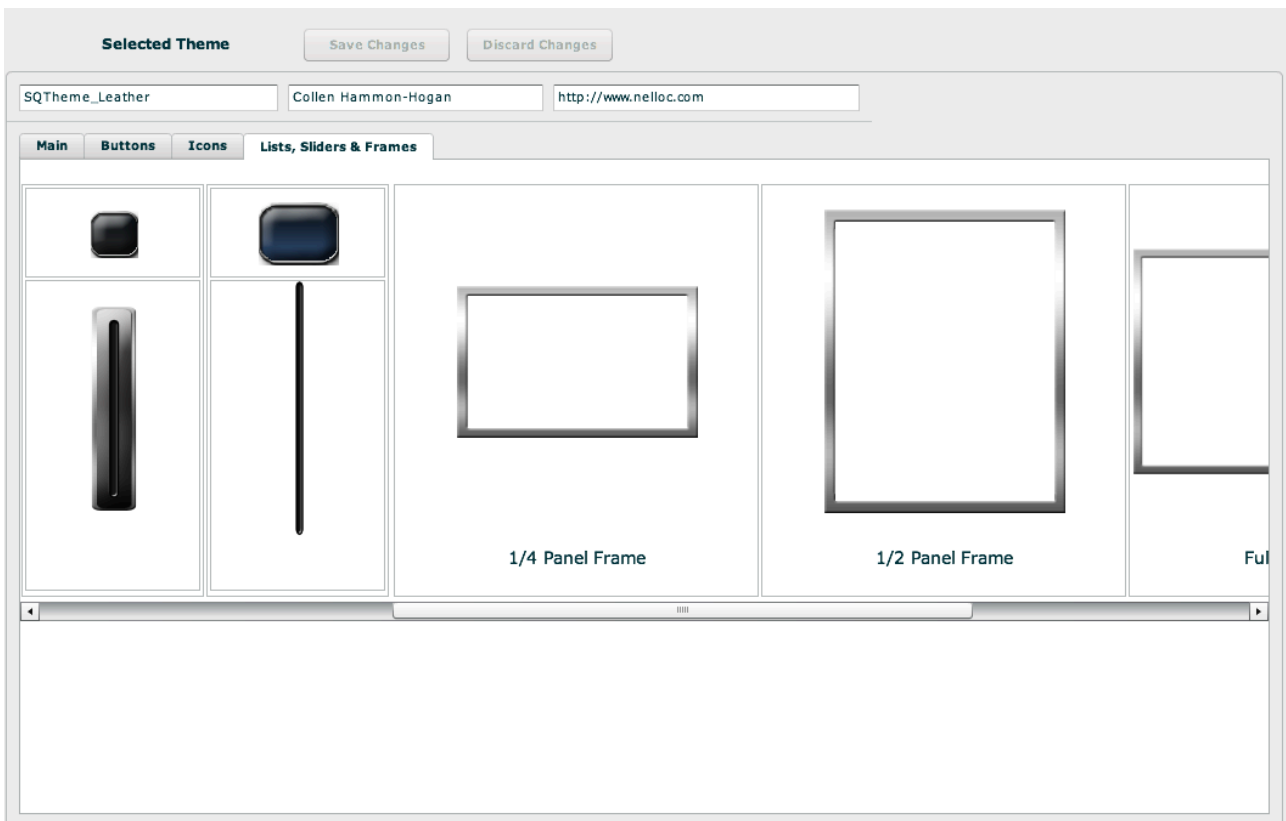
Screen shot of the button images within a scene:
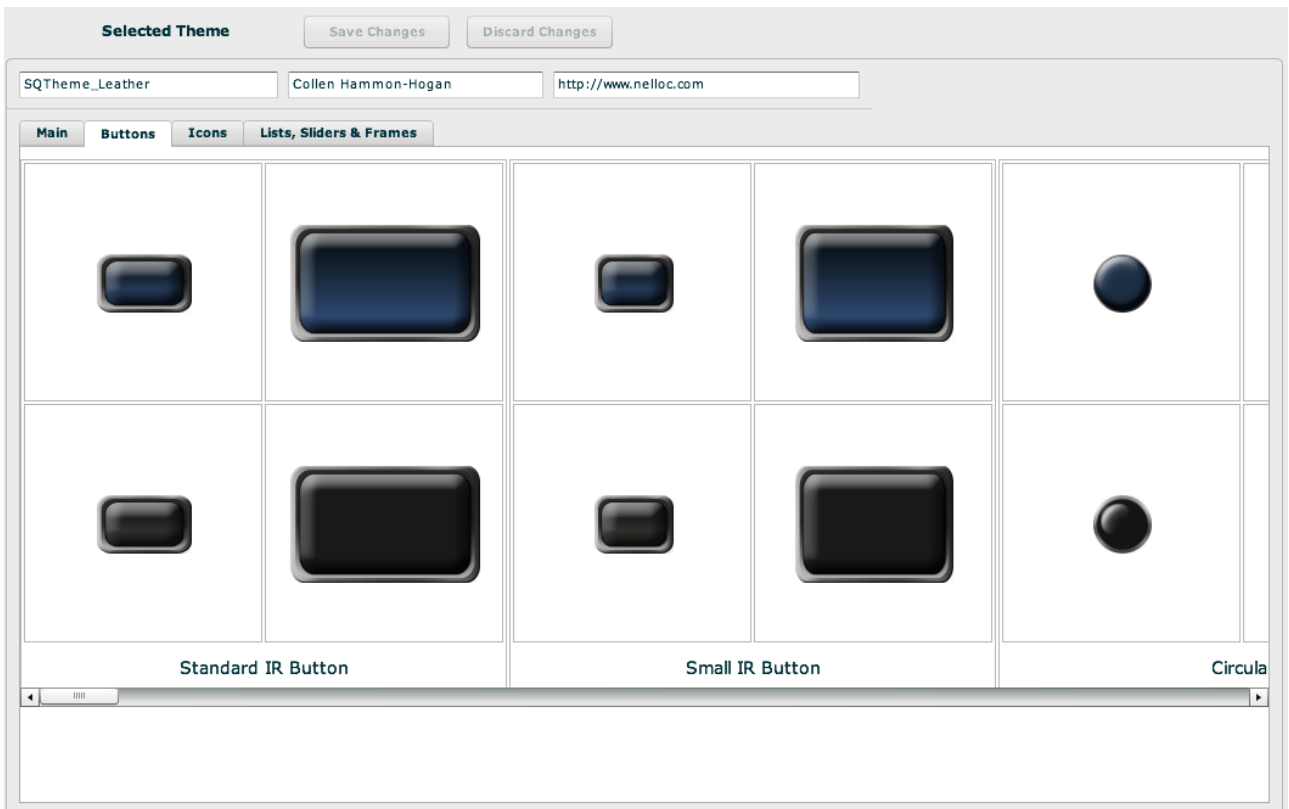
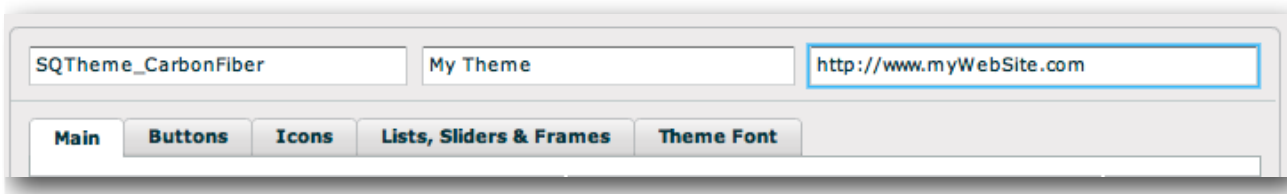Screen shot showing the icons within a theme:
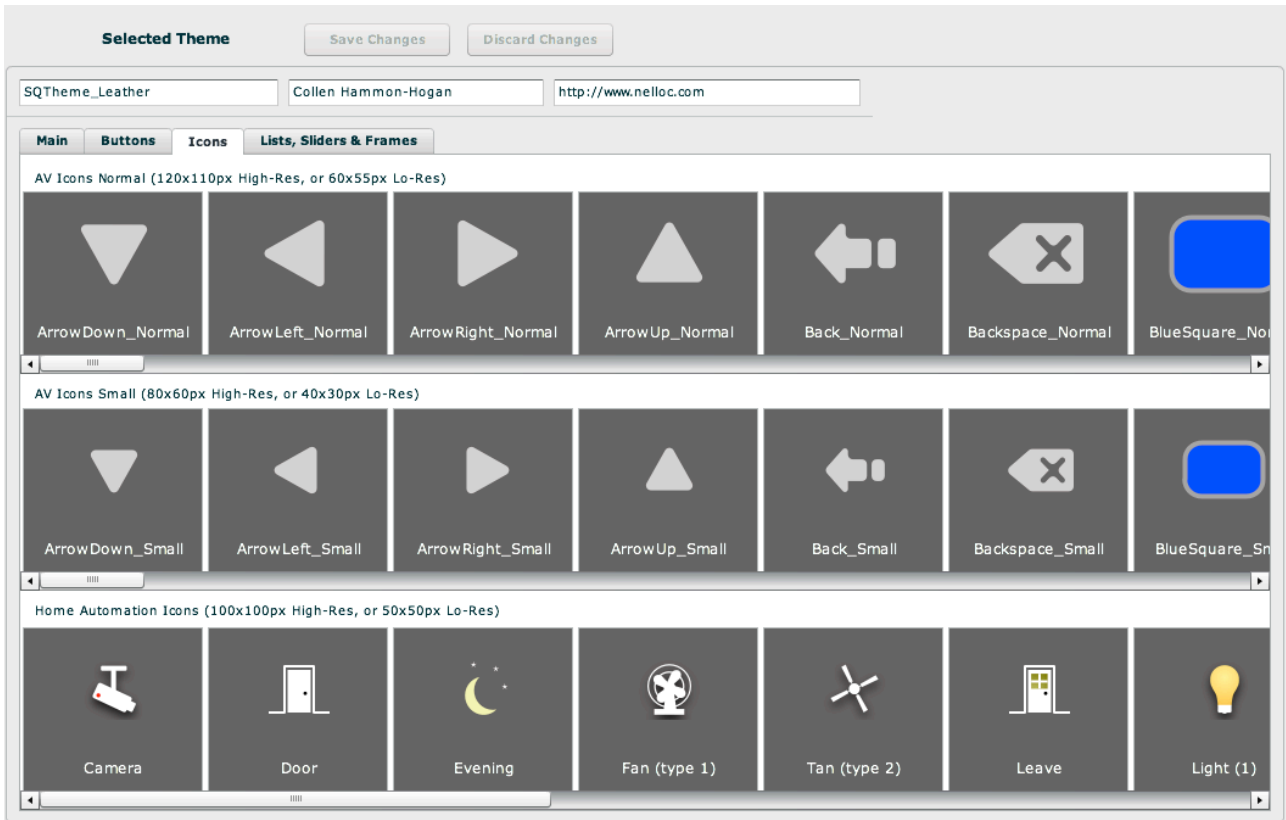
Additional Theme Images:

You will need to commit any changes you make to theme images by pressing the 'Save Changes" button. When you do this your changes will be finalized. Changes cannot be undone (unless you have the original image that you can drag back), so please make sure that you are working with a copy of the original theme if you are not starting with a new theme from scratch.

More information about themes can be obtained in the Square Connect document: SQ Remote Themes, a PDF document that can be downloaded from the themes page on the Square Connect website (http://www.squareconnect.com/themes.html).

Naming your Theme

You should name your theme with a unique name (as SQ Designer requires unique theme names). You can also enter your name and website URL, so that you can receive all the well earned "kudos" for any themes that you create and share. The name that you enter into the name box within SQ Designer is the name that will be shown within SQ Remote when it is installed/imported.

Theme Name Box.

Sharing your theme

Themes can be exported to your local hard drive or loaded to box.net for installation into SQ Remote on your iOS device. When you export a theme in this way you can name the exported file as you like (it will need a.zip extension), but the name that is displayed when it is loaded within SQ Designer or SQ Remote will remain the name that is entered in the theme name box within the theme area.

Box.net themes folder

To work with box.net with themes, both within SQ Designer and SQ Remote you will need to create a themes folder within your box.net account. This folder must be in the root directory of your account and be names "SQThemes". If this folder is missing from your box.net account it will be created the first time that you save a theme to box.net.

Using themes within SQ Remote

Themes are only available with the SQ Remote HD and SQ REmote Lite. The original version of SQ Remote does not allow access to themes. To use a theme within SQ Remote HD or Lite you will need to install (download) the required theme from box.net to your iOS device, and then select it within the control panel editing area to make it active.

Themes from other users as well as official themes from box.net are will become available on the themes page of the Square Connect web site. (http://www.squareconnect.com/themes.html)

Connecting to MiOS Home Automation Systems

To be able to assign home automation controls to devices connected to your MiOS home control systems, and for SQ Designer to show the names of devices and scenes within home automation controls, you need to connect SQ Designer to your MiOS system(s).

Note: SQ Designer does not store any information about your MiOS systems, so you need to connect each time you use it if you want to have access to this functionality. You can enter your myMiOS user credentials in preferences and specify that SQ Designer connect at launch to your system(s). This can prolong the initial launch for SQ Designer but removes the need to do this at each launch manually.

Installers: If you are editing or creating control interfaces for remote clients you can obtain the MiOS system information remotely in this way by having your clients give you guest or full access to their systems.

The MiOS Connection Screen:
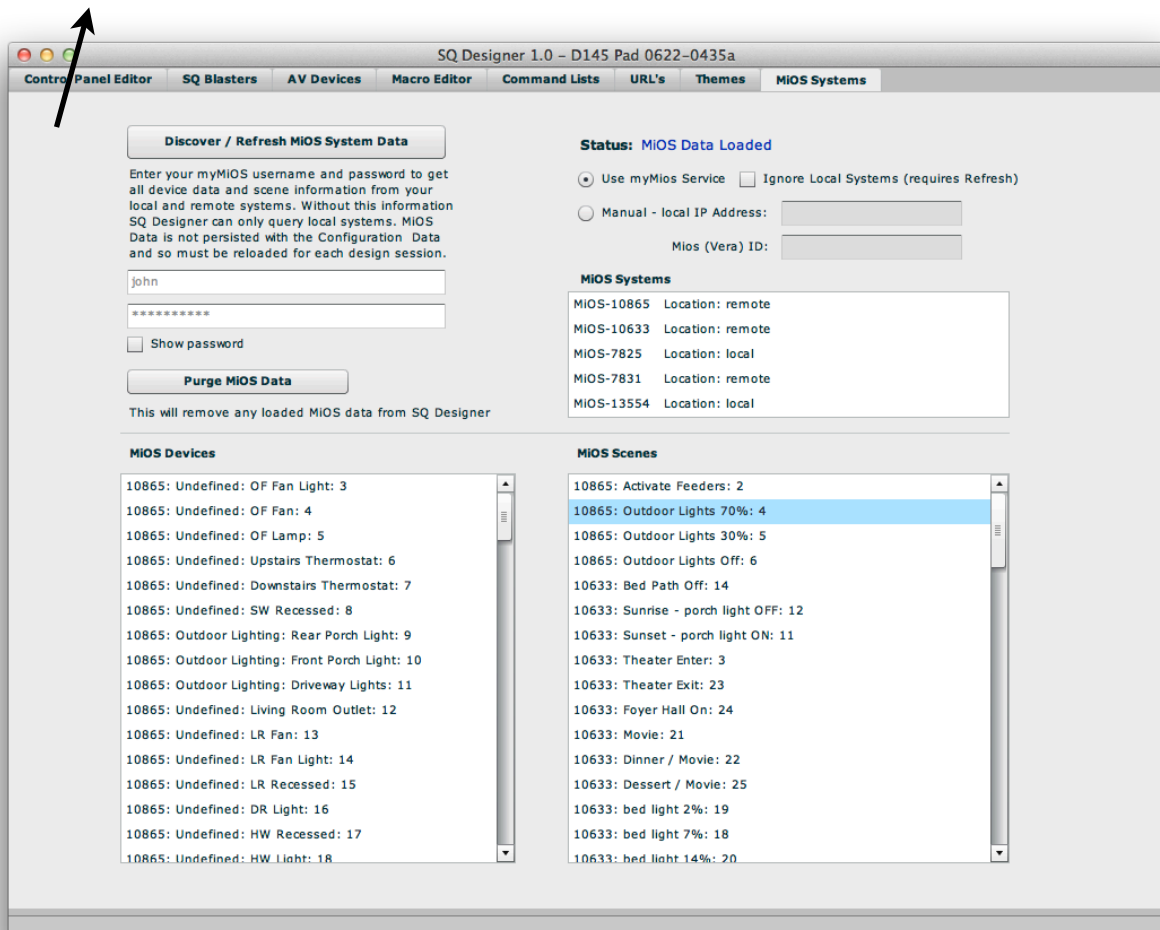
The MiOS connection screen gives the user several options:

- **Discover / Refresh MiOS System Data**. Clicking this button will cause SQ Designer to search for MiOS systems. If you do not provide any myMiOS service data SQ Designer will only be able to discover MiOS Systems that are on the local network.

- **Purge MiOS Data**. Clicking this button will cause SQ Designer to purge all MiOS system and device information that it is currently holding. If you want to swap between myMiOS accounts (if you an an installer) then you will need to purge the MiOS data before fetching the data from the new account.

- **Use MyMiOS Service**. By selecting this option you can force SQ Designer to connect with the myMiOS servers to discover MiOS systems. The alternative is to use Manual.

- **Manual Settings**. If you do not have a myMiOS account, or prefer to connect to the local system directly you can select this option and then enter the MiOS system IP address as well as its system ID. The System ID is required for SQ Designer to assign controls to MiOS systems.

- **Ignore local systems.** If you are working with remote systems and do not want the system to load local data, you can select this option. SQ Designer will then ignore any systems that it finds on the local network.

MiOS Devices.

Scenes discovered on your MiOS system are displayed in the following way:

xxxxx: location: Name: ID

- **xxxxx** is the ID of the MiOS system

- **location** is the "room" specified within the MiOS system for this device

- **name** is the name given to the device by the user

- **ID** is the unique device ID that is set by the MiOS system for the device in question.

Example:

10865: Outdoor: Driveway Light: 17

MiOS Scenes.

Devices discovered on your MiOS system are displayed in the following way:

xxxxx: Name: ID

- **xxxxx** is the ID of the MiOS system

- **name** is the name given to the scene by the user

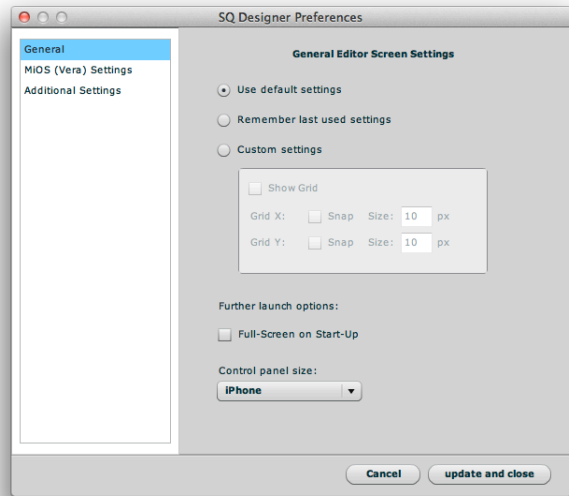- **ID** is the unique scene ID that is set by the MiOS system for the scene in question.

example:

10633: Porch Light Off: 4

Preferences

Preferences are accessed through the Edit > Preferences menu.
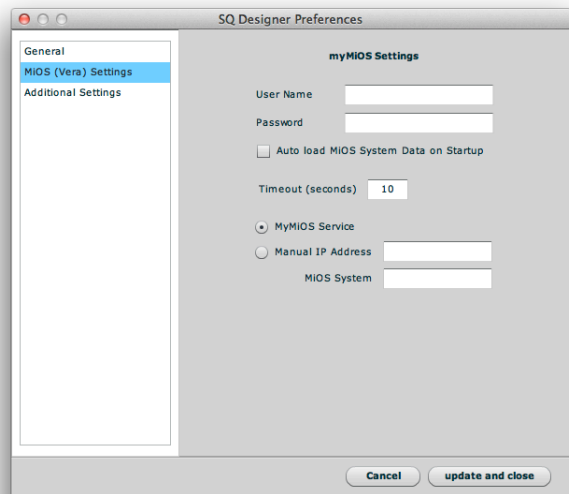
General

The General area allows the user to define how they would like the editor screen to start up, and whether SQ Designer should start in full screen mode.

MiOS (Vera) Settings

This area allows you to enter your myMiOS settings so that you can automate the connection to your MiOS systems on startup of SQ Designer.

Additional Settings

Set auto save on/off and the time interval for auto-saves so that you don't loose your work should the unexpected happen.

Set the option to check for updates of the software and updates of the user manual on startup of SQ Designer.