MyAmbience

System Guide V1.2

My Ambience
automation control system

Overview

The MyAmbience Automation system consists of three main parts: The MyAmbience Server/Processor, Control Panels (Samsung Q1) also referred to as “Clients” and Controllable Devices (Lighting Controls, Thermostats, etc)

This section of the manual assumes that all controllable devices have been installed and are operating correctly. It also assumes that the server is installed and that all of the controllable devices are connected. The Server and Client also need to be connected to the household wireless router or a Wireless Access Point (also referred to as a “WAP”).

The process explained herein, configures the MyAmbience server to communicate with the controllable devices and sets up the user interface on the Client panels.

Important Note: Please be certain that the Wireless Panel has **Internet Explorer 7** installed it. If it does not, it can be downloaded from the Microsoft website. To check the version of Internet Explorer that is installed, start the panel and open Internet Explorer.

From The “Help” menu, select “About Internet Explorer”.

The “About Internet Explorer” textbox will appear. Assure that you have “Internet Explorer 7”

Starting the MyAmbience Server

The MyAmbience Server is configured to self-start upon power being applied. That same configuration allows the server to return to its previous status after power loss. The server will usually complete its “boot up” within one minute.

The server is typically installed without a keyboard, mouse or monitor connected to it, therefore the “boot up” process my feel a bit blind. You may feel free to connect a monitor, keyboard and mouse, but it really has very little purpose. The system is designed to be accessed from the “Client”.

STEP 1: At this time, power up the MyAmbience Server and the Client (Samsung Q1B). The Server will take longer to start than the Client, so give the Server about a minute to get going.

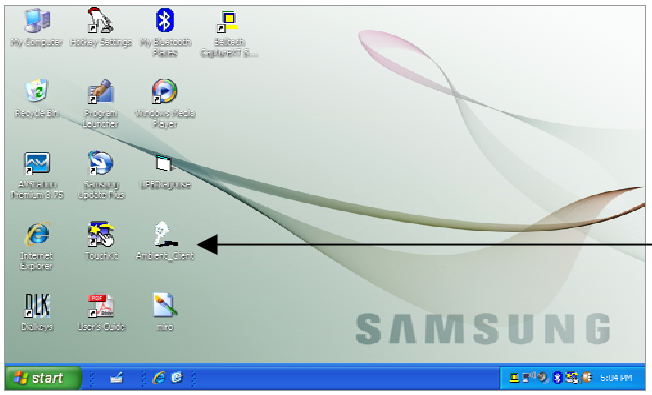
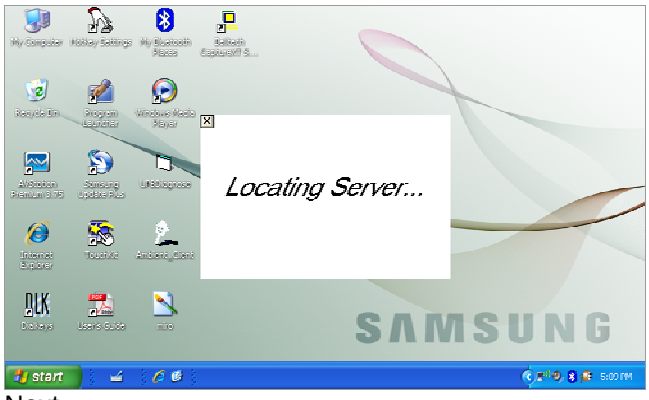


Fig: 1

Upon startup, the Client Panel should look something like this:

Start Icon

STEP 2: Start the client, by tapping the MyAmbience Start Icon.



Next…

Fig: 2

A Message box will appear.

The MyAmbience Client will automatically find the server and “attach” itself as a particular Client. This should happen rather quickly if the server has finished “boot up”.

Fig: 3

The Main MyAmbience screen will appear.

While trying to connect to the server, the "Attempting Server Connection" message appears. When communication with the server is established this message will disappear.

STEP 3: The MyAmbience Server can be configured directly from the Client Panel or by using the MyAmbience Setup Utility on any computer on the same network as the MyAmbience Server. A standard computer or notebook makes typing a bit easier. The tablet will also support a USB keyboard and one is recommend for setup. Assuming that we are going to use the panel, click on the "**Settings**" button.

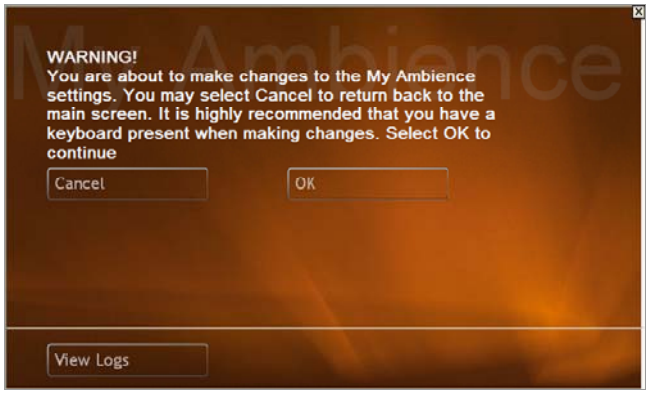


Fig: 4

A "Caution" screen appears to warn that you are entering an area that will change the MyAmbience settings.

Click "**OK**"

The Setup Screen appears:

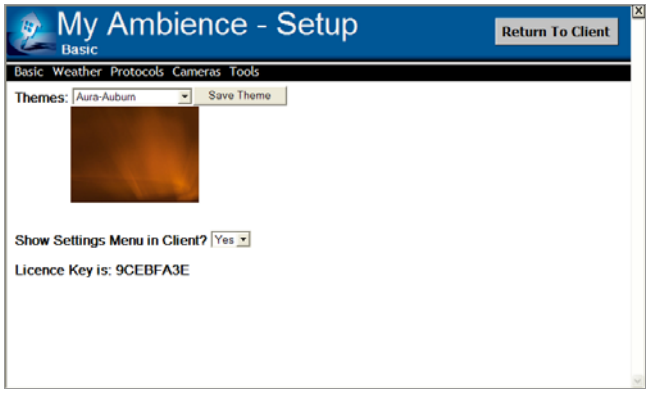


Fig: 5

You are now ready to begin the "Configuration" or "Setup" process.

Notes:

The BASIC MENU

Themes:

MyAmbience allows for different color background themes. There is a Drop Down Menu with a preview window. The previous screens shown in this manual have been “Aura-Auburn”. To change the color, select a new color from the Drop Down menu. A sample of the selection will appear in the preview box. If the selection is satisfactory, press the “Save Theme” button.

Show Settings Menu in Client?

Selecting “No” from this Drop Down box will remove the “**Settings**” menu from the client. This would not allow the homeowner access to the settings. HOWEVER, it would also mean that the installer could no longer get to the settings menu from the “Client” (Samsung Q1B). Settings could only be accessed from another computer on the network using the MyAmbience Setup Utility.

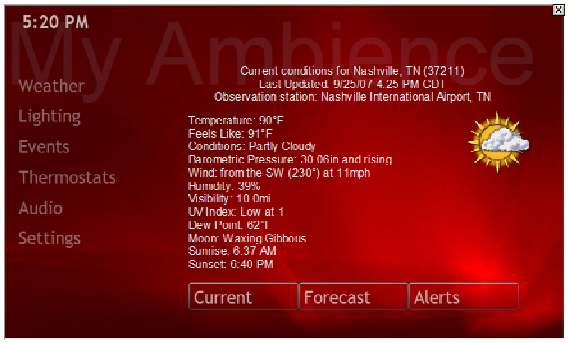
License Key:

This is purely informational text for the purpose of validating the Software.

Your copy of MyAmbience has / has not been validated.

This information lets the installer or user know if this system has been validated and or registered. It is important to register and validate in order to access weather and remote access. To validate the system, press the “**Validate**” button once the server has been connected to the Internet.

Some Sample Color Themes



The WEATHER Menu

Press the **"Weather"** button on the Main Setup Menu to begin.

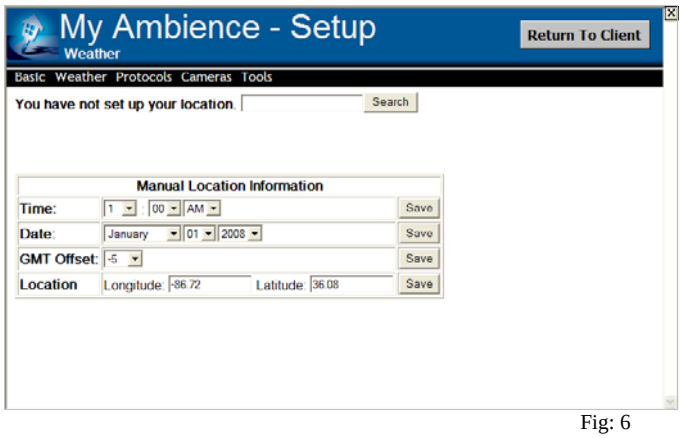


Fig: 6

MyAmbience needs to know where it lives. This is important for two reasons. Firstly, MyAmbience will deliver constant weather updates to the homeowner and secondly, it provides a location for the astronomical clock functions (sunrise, sunset).

Weather and automatic location search, require an internet connection. If an internet connection is not available, then data for sunrise / sunset calculations must be entered into the "Manual Location Information". This will allow MyAmbience to perform sunrise / sunset events.

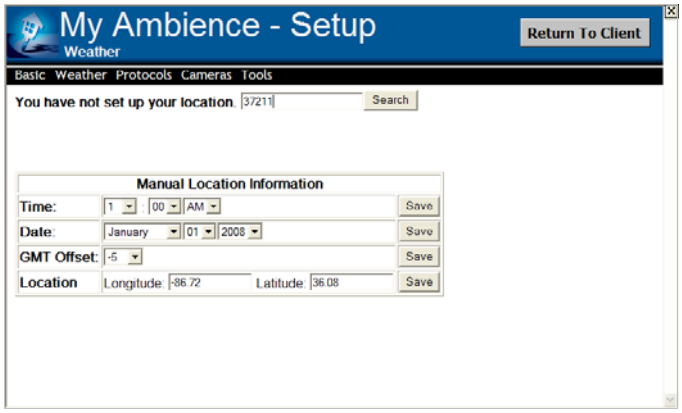


Fig: 7

Lets assume there is an internet connection. There is a text box with a "**Search**" button beside it. Enter a new Zip Code and press "**Search".** We will enter "**37211"**.

The result comes up as "**Nashville, TN**".

If this is correct, press "**Select**", (or enter a different Zip Code and try again.

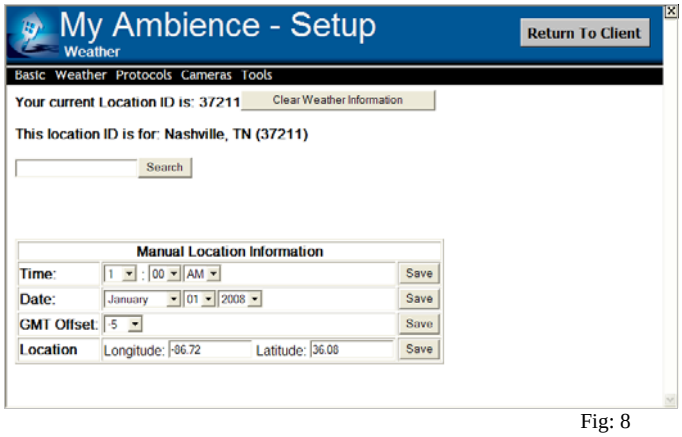


Fig: 8

The location is now set to Nashville, TN, as per our selection.

You may also search by city name. This is useful in countries other than the US. In the US it is recommended that Zip Codes be used, as they are required for weather alerts.

There is also a "**Clear Weather Information**" button, which is useful when changing location settings.

Manual Location Information

Using the **"Manual Location Information"** section is only required when there is **not** an internet connection. The use of this area should be self-explanatory. You will need to know the Longitude and Latitude of the install location. The Latitude / Longitude info does not need to be dead accurate It is only used to calculate Sunrise and Sunset times. The difference between sunrise / sunset on the west side of

your city is not noticeably different for the east side (or the town 25 miles away, for that matter). Just fill in the spaces in the box and remember to press "**Save**" on each entry.

If you are using a Client to do setup, click on "**Return to Client**" to see your results.

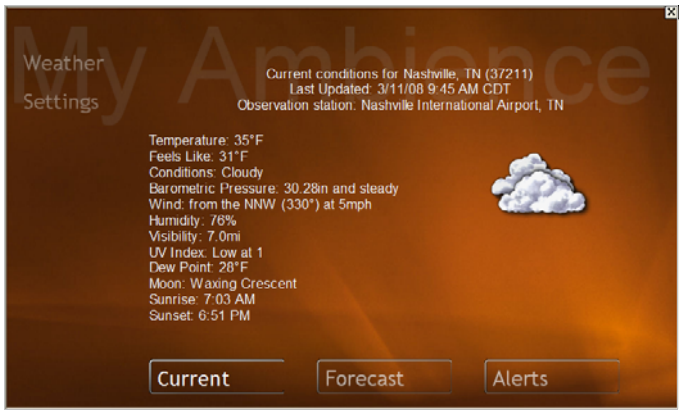


Fig: 8b

The weather is now shown for Nashville, TN.

Note the Side Menus. An item has been added for "**Weather**". As we move through the setup process we will see items added for the functions that are added.

Fig: 8c

Forecasts and weather Alerts are also provided for the location.

Notes:

The PROTOCOLS Menu

The “**Protocols**” menu is used to tell the MyAmbience Server what controllable devices are connected and where. For example, the lighting controls may be UPB Dimmers and the Serial Interface (PIM) for these controls may be connected on “Serial Port 1” (or “Comm 1”). This will tell the Server how to communicate with lighting, and will add another Menu Item on not only the setup page, but the User Interface.

To begin, select “**Protocols**” from the Main Setup Menu.

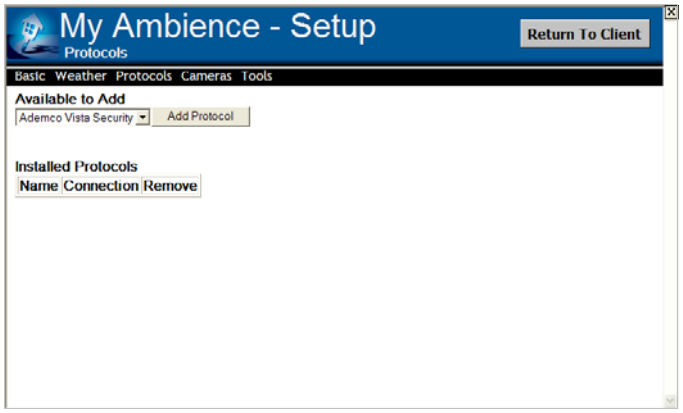


Fig: 9

There are two items “Available to Add” and “Installed Protocols”. The “Installed Protocols” is currently empty, as we have yet to add any.

Available to Add:

This Drop Down box lists various protocols, which are available for use in MyAmbience.

To add a protocol, open the Drop Down box and select one of the protocols and press the “**Add Protocol**” button.

In this example, we will use the **UPB** protocol.

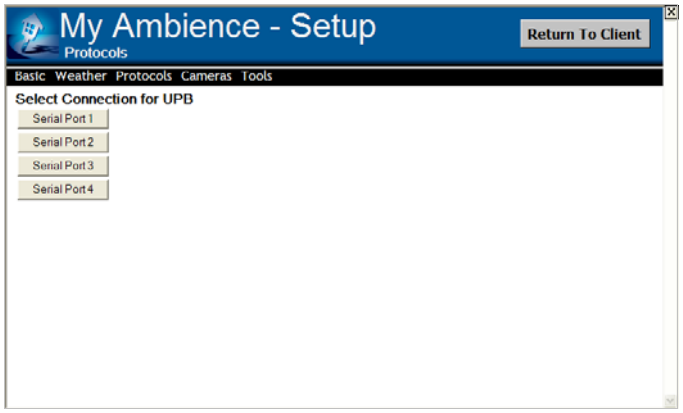


Fig: 10

We have selected the “**UPB**” protocol. MyAmbience needs to know which Serial Port the UPB interface is plugged into. We will select “**Serial Port 1**”.

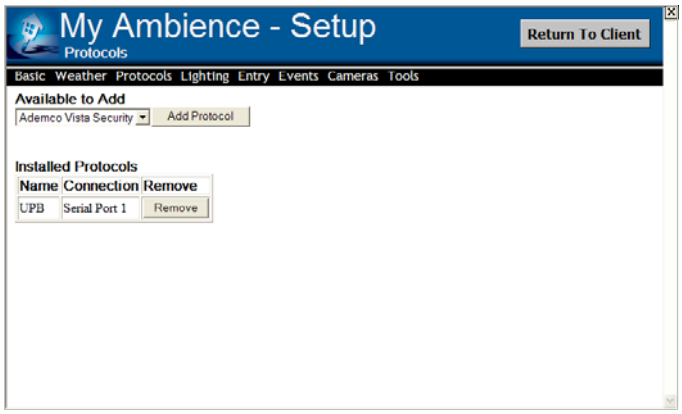


Fig: 11

OK, lots of things happened here.

Under “Installed Protocols”, UPB is on Serial Port 1 … as expected.

But look at the Top Menu … “Lighting”, “Events” and “Entry”, were added. “Lighting” will be used to add the various light loads installed. “Entry” will be used if Garage Doors are installed, and “Events” will be used to set Timers and Scenes.

To add more protocols, simply repeat the procedure. Additional Menu will appear as required. For example, adding a Russound R-Net protocol, will add an “Audio” menu.

Installed Protocols:

This listing provides information as to which protocols are installed and where their connection point is. There is also a “**Remove**” button, which will, of course, remove that protocol.

Notes:

The LIGHTING Menu

The “Lighting” menu is not only used for lighting but can also handle a host of different electrical items that you may wish to control. It is used as a catch all phrase. It makes it easier for the end user to have items grouped into the appropriate area. For instance, Garage Doors may be placed in an area called “Garage” with the two garage lights. It just provides for easier navigation.

Press “**Lighting**” on the top menu bar.

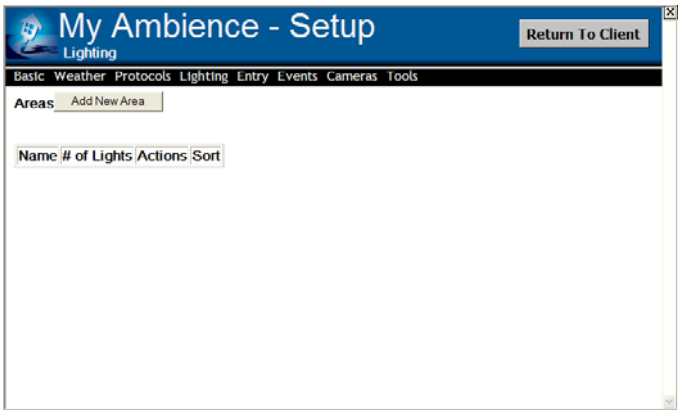


Fig: 12

The “**Lighting**” menu is used to organize light loads into groups, called “Areas”. This is also where the Names, Addresses and Actions of the various light loads are entered.

Before commencing with this procedure, it is quite helpful to have a list of light loads and their addresses, organized in a logical manner.

Add a New Area:

This is where we can create lighting Areas or Zones to group the light loads in a logical fashion so they are easy for the homeowner to find. We may use areas such as “Main Entry”, “Kitchen”, “Front Exterior”, etc., and place a number of light loads in each area.

Press the “**Add New Area**” button.

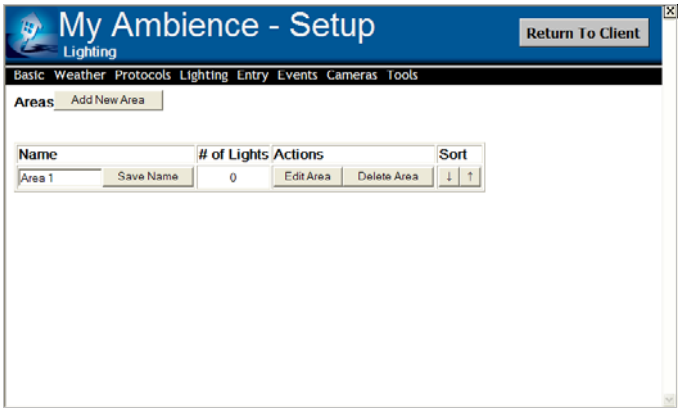


Fig: 13

A text box appears where we can add the area name, as well as some other functions we will get to later.

If you wish to change the area name, enter the desired area name and press the “**Save Name**” button. In our example, we will create an area called “Main Area”.

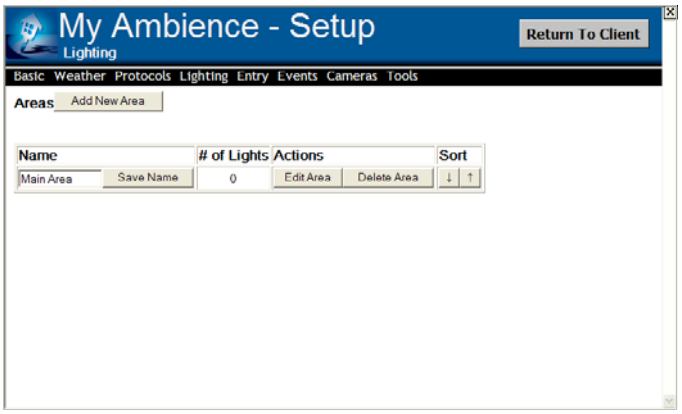


Fig: 14

The area was added. There are currently no light loads assigned, so the "# of Lights" shows as 0 in that area.

To add more areas, click the "**Add New Area**" button as many times as needed and proceed as before.

Add more "Areas" …..

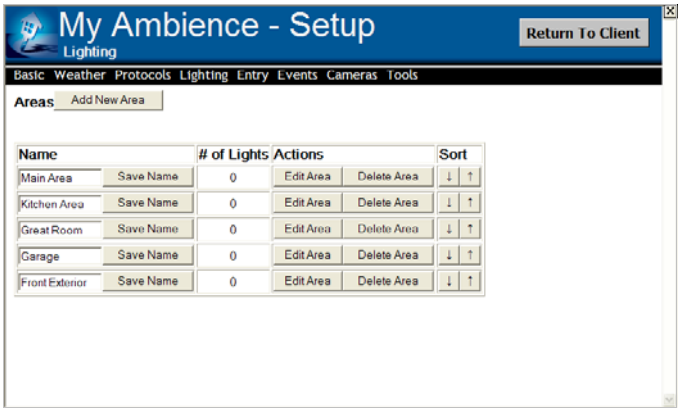


Fig: 15

All of the "Areas" for the sample project are added.

Next, the light loads will be added to the "Areas".

Adding Light Loads:

To add light loads to an Area, click the "**Edit Area**" button beside the Area in which the light loads are located.

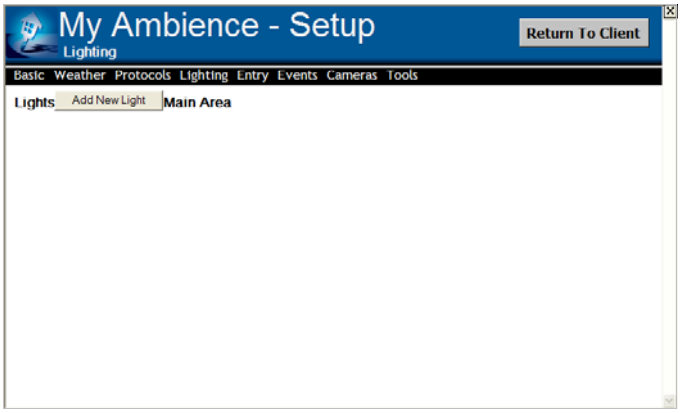


Fig: 16

Click on the "**Add New Light**" button.

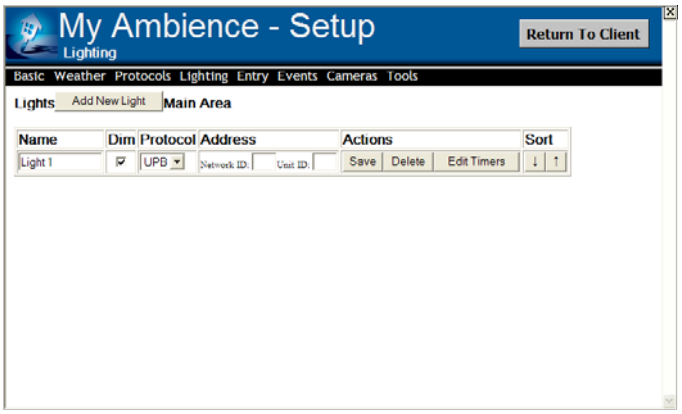


Fig: 17

MyAmbience now requires some information about the new light load. This information will vary depending on the type of lighting control used.

First of all, the name of the light load, the protocol used and if it dims.

Shown in the example, is UPB. UPB requires a Network ID and Unit ID, whereas a light load in Lutron HomeWorks requires completely different information and the appropriate fields would be displayed.

You may also set “Timers” for this light load. More on that later.

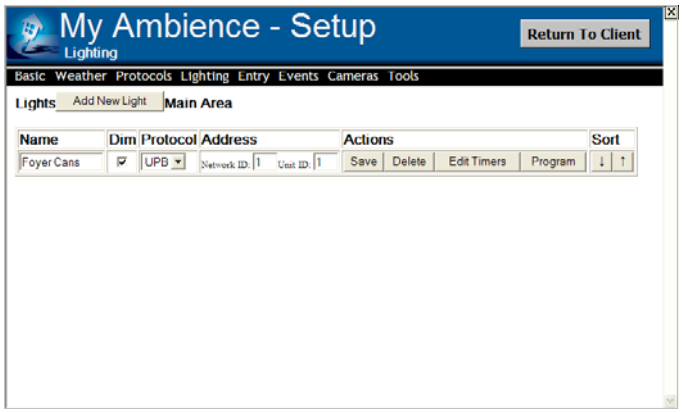


Fig: 18

In the example, the light load is for the “Foyer Cans”, which are controlled by a UPB Dimmer. The light load is dimmable, and is on Network “1”, as Unit “1”.

Fill in the fields, and click the “**Save**” button.

The light load can be “Edited” or “Deleted” from here. In the case of UPB, the dimmers can also be programmed from the panel.

To add more light loads to this area, click the “**Add New Light**” button as many times as required, and fill in the data. To add light loads to a different area, click “**Lighting**” from the Main Setup Menu.

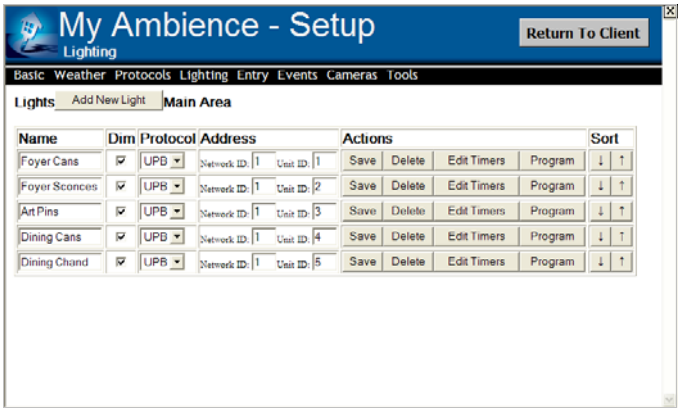


Fig: 20

In this graphic, additional light loads have been added to the “Main Entry” area.

Note the Up/Down arrows in the sort columns. The arrows allow the items to be placed in a different order than entered.

Press the “**Lighting**” button from the Main Setup Menu.

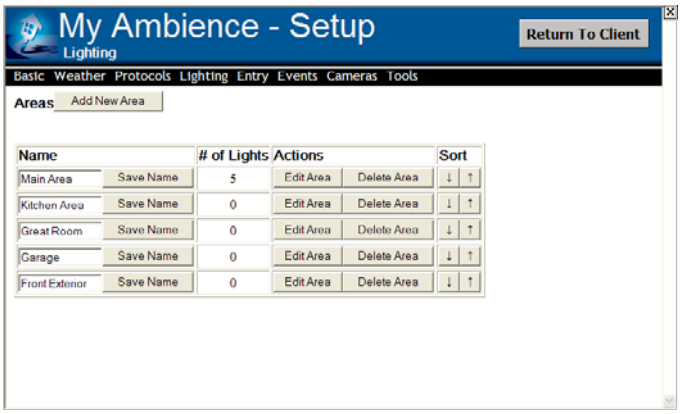


Fig: 21

This graphic has returned to “Lighting” from the Main Menu. The defined areas are shown along with the number of light loads in each area. To add lighting or to edit lighting, simply select “Edit” for that area or zone.

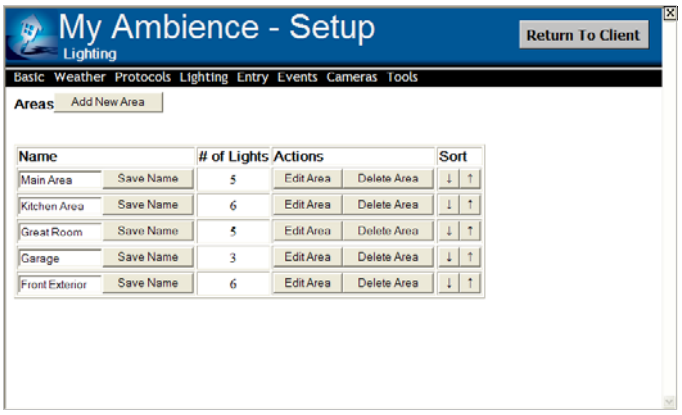


Fig: 22

This graphic shows a more complete lighting setup. There are 25 light loads total. You may put as many in each area as is required. It is always a good idea to break them into manageable groups, as it will be easier for the homeowner to find them later.

Before we move on, lets go back and see what happened to the user interface as a result of what we have done so far. Press the “**Return To Client**” button.

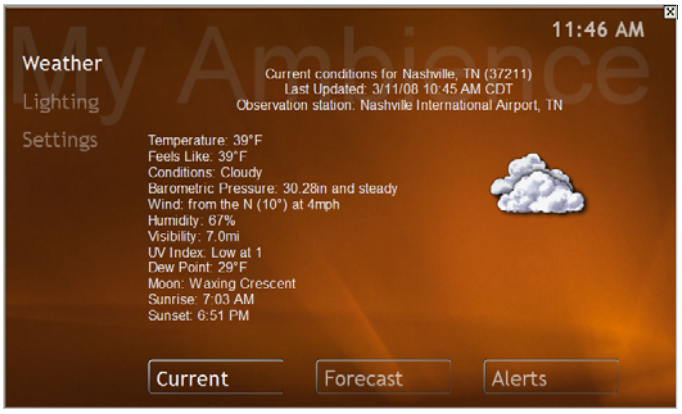


Fig: 24

You will note that “Lighting” has appeared on the Side Menu Bar, just below “Weather”. As items are added in Setup, MyAmbience dynamically creates the menus that are required. Therefore, if the security system is not tied in, then the menu item will not appear.

Press the “**Lighting**” button on the Side Menu Bar

Fig: 25

Lighting is hi-lighted and the defined “Areas” appear.

Selecting an area will reveal the light loads in that area, their current status, and control of that light load.

We will show the “Main Entry” by pressing that button

Fig: 26

The light loads in the area are revealed.

All of these lights are currently “Off”. Note the “breadcrumb trail” at the top of the screen beside the time. This helps the user to know where they are at all times.

There is also a navigation button on the bottom to move to the next area.

More on all this later ……

Setting Individual Lighting Timers

Back at Fig: 17, there was a button in the setup area beside each light load called “Edit Timers”. This is used to set times on individual light loads or other electrical type items found in that area. This is different from an event, which controls a host of different things all at once.

From the “Lighting Menu” in the Setup Area, press the “**Edit Area**” button.

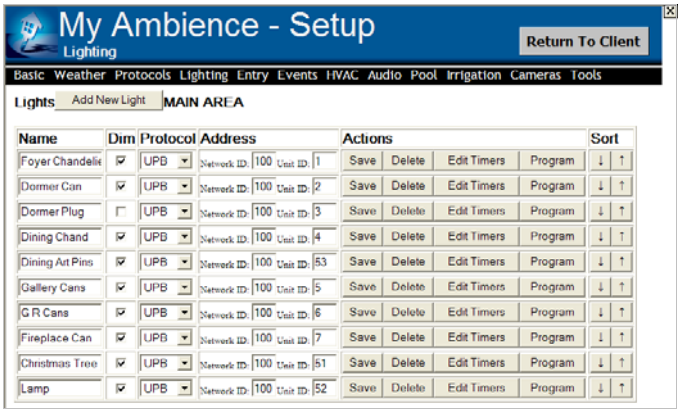


Fig: 26B

Press the “**Edit Timers**” button beside the light load for which you would like to set a timer.

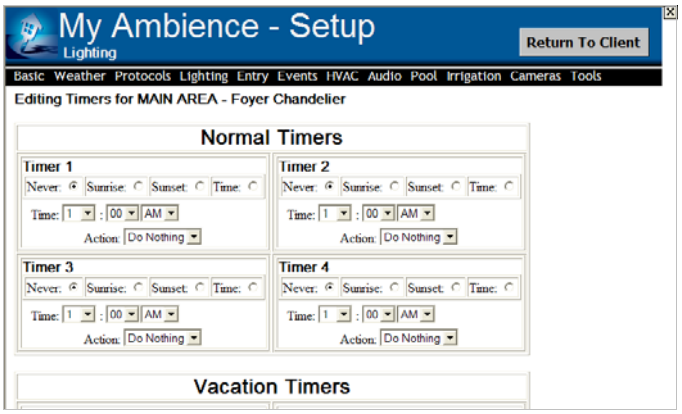


Fig: 26C

There are 4 Normal Timers and 4 Vacation Mode Timers.

Simply set a time, which could be real time, sunrise or sunset with offsets and date masks. Next we would need to set the action, such as “On at 50%” or “Off”. The type of action may change according to the device type.

You may use Timer 1 to turn a particular light “On” at Sunrise –20 minutes and Time 2 to turn the same light “Off” at 8am. Both timers may be set for Monday through Friday only

The Vacation Timer may just be set to “Never”, so that these lights are not turned “On” or “Off” while the homeowner is away.

It’s pretty much that simple. The possible uses are many.

This Time Settings window format is used in many places in MyAmbience: Thermostats, Irrigation, Events, and so on. You will see it many times as you continue through this guide.

Notes:

The ENTRY Menu

The ENTRY menu is used primarily to add garage doors to the MyAmbience system. They can also be used to add anything that opens and closes with contact closure such as gates. There are currently two supported protocol methods: UPB and RS485. Both methods require a contact set and a control device (UPB or RS485).

For installation and wiring info on either of these methods, see the appropriate “Tech Note” in the installation part of this manual. These may also be downloaded from http://www.myambience.com/

For the purposes of this part of the manual, it is assumed that the contact set and the control device are installed.

Select “**Entry**” from the main setup menu.

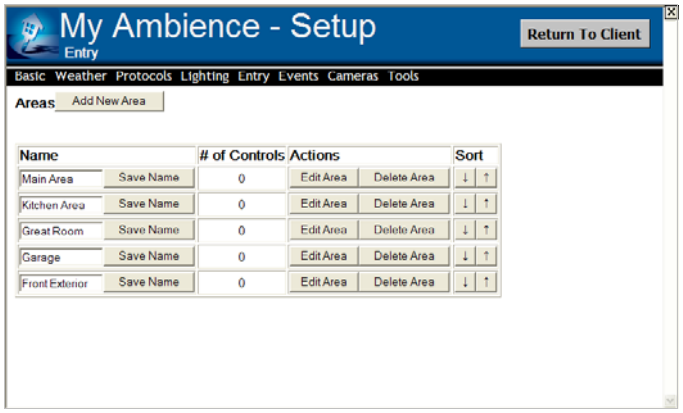


Fig: 27

The “Area” listing appears, showing that there are currently no entry controls defined in any of the areas. If you are adding garage doors, and there is not a “Garage” area, you may wish to define one at this point, by pressing the “**Add New Area**” Button.

In the example, the “Garage Area” already exists, so we will add the garage doors in that area.

Press the “**Edit Area**” button for the Garage area.

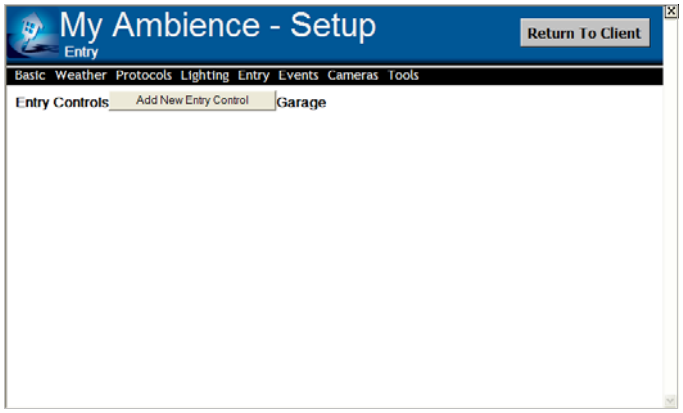


Fig: 28

Press “**Add New Entry Control**”.

If there are multiple doors you can press the “**Add New Entry Control**” button multiple times, to add the controls

In the example, we will press it 3 times.

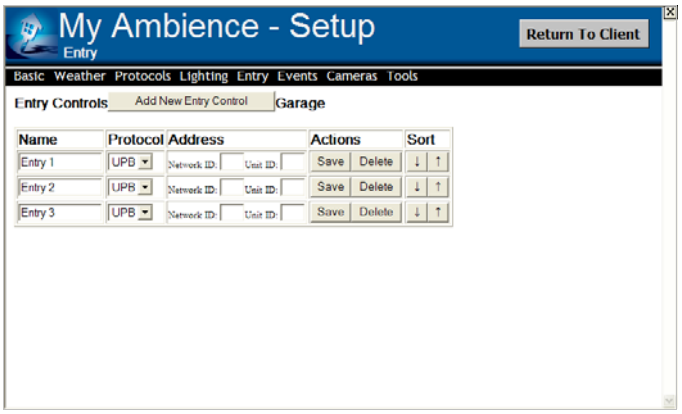


Fig: 30

The settings for the entry controls appear.

There would be two protocols available: UPB and RS485. The protocol must be defined in the “Protocols” menu before it can be used.

In this case, fill in the Name, Network ID and Unit ID, and press the “**Save**” button

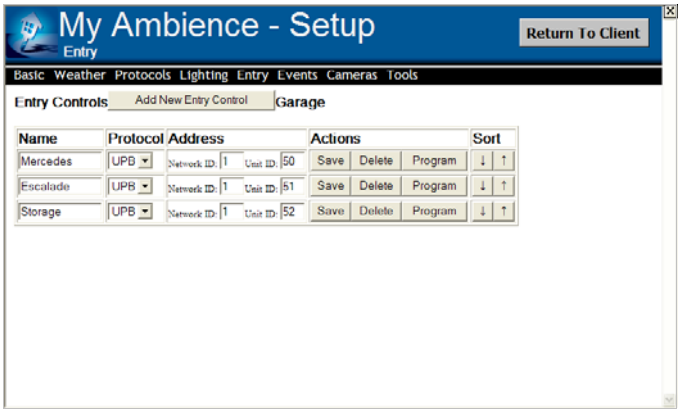


Fig: 31

A total of three doors were added.

In the example, the controls were named for the vehicles that area normally stored there, such as “Mercedes”.

Press the “**Entry**” button on the Main Menu

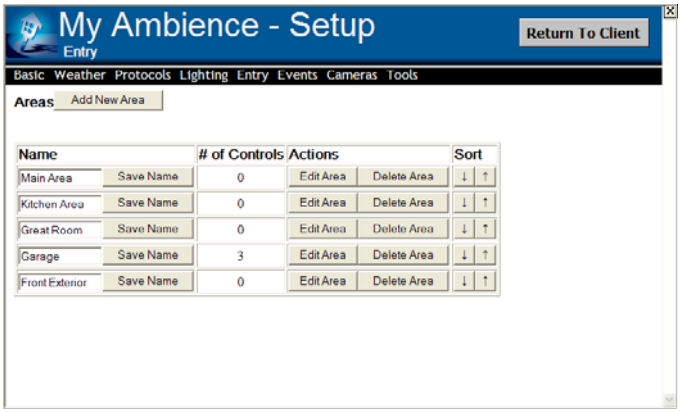


Fig: 32

There are now three “Entry Controls” added to the project, in the “Garage” area.

Lets look at what that did on the User Screen.

Press the “**Return to Client**” button

Fig: 33

Press “**Lighting**”, then “**Garage**” (or the area you placed your Entry Device).

Fig: 34

As you can see, there are now three garage doors in the garage area. All three doors are currently closed.

Pressing the button which bears the device name, (in this example, try "**Escalade**"), will open the door.

Fig: 35

Pressing the "Escalade" button is the same as pressing the button in the garage. It signaled the motor to open. When the door began to open, the contact on the garage door became open and the interface signaled MyAmbience that the door was no longer closed. MyAmbience lit up the status bar or visual indicator and changed the status to "Open". Once open, pressing the button again will start the motor closing the door. Once it has completed and closed the contact, MyAmbience will receive the message and reset the door status to "Closed".

The example used in this manual was for UPB. The setup for a RS485 Garage Door control follows the same procedure. The difference is in the addressing scheme. A RS485 garage door module can handle up to 4 doors. Subsequently, the addressing scheme is simply 1-4.

For further information regarding the installation of either of these devices, please see the Application Notes section in the download area of the MyAmbience web site.

Notes:

The THERMOSTAT Menu

MyAmbience supports two different thermostat manufacturers: RCS and Aprilaire. RCS produces controllable thermostats for RS485, UPB and X-10, whereas all Aprilaire thermostats are run through an Aprilaire hub and require an Aprilaire RS232 Protocol Adapter.

There is a fundamental difference in the installation procedure of the different types of thermostats. Some will require a CAT5 to be run from the HVAC unit to the MyAmbience Server, some will require the CAT5 to be run from the Thermostat to the MyAmbience Server, and some will require no pre-wire at all.

For the purpose of this manual, it assumes that the system is completely installed and functioning. For further information, please see the Application Notes section in the Support area of the MyAmbience web site or the manufacturers website.

This example will use an RCS RS485 thermostat.

> **IMPORTANT NOTE:** *We need to be sure that we have installed the RS485 "Protocol" under the "**Protocols**" menu in the Main Menu. This procedure was covered earlier in this manual, should you require help. This procedure simply tells the MyAmbience Server which Serial Port was used to connect the 485 Communications Hub. This must be done before proceeding.*

From the MyAmbience Setup…

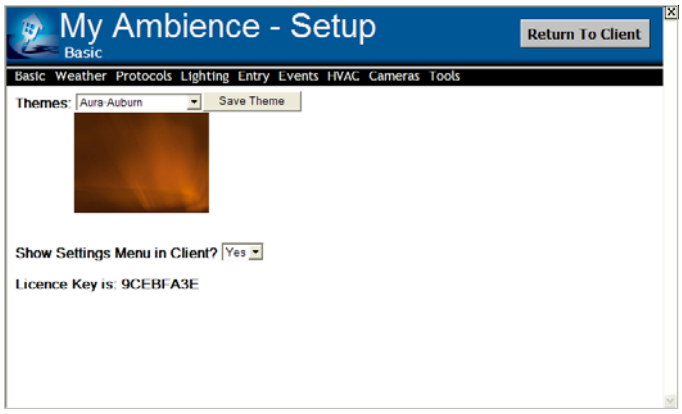


Fig: 37

From the Main Menu, select "**HVAC**"

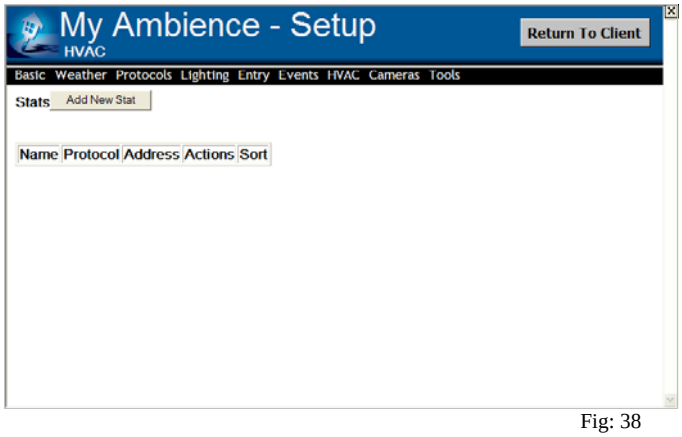


Fig: 38

To add a thermostat, simply press the "**Add New Stat**" button.

To add multiple thermostats you may press the button several times.

In this example, 4 thermostats will be added.

(At installation, each thermostat should have been addressed. If they have not been addressed, then do that now. Refer to the thermostats installation guide on how to address the stat.)

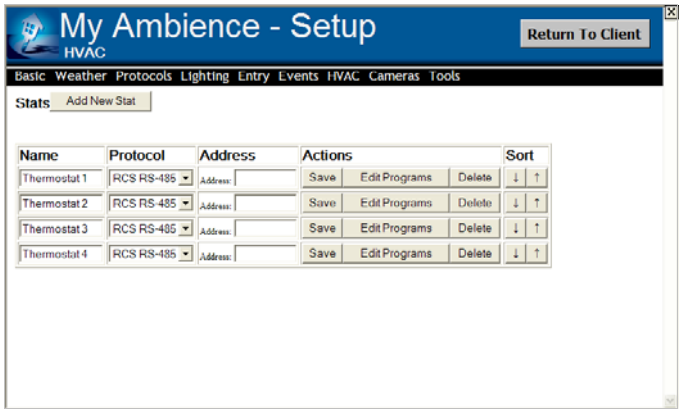


Fig: 39

Enter a name for the thermostat in the text box, the protocol being used and the thermostat address. Press "**Save**" before leaving each line.

The "Delete", "Up Arrow" and "Down Arrow", remove the thermostat and change its order on the interface.

The "Edit Programs" button will be used to setup timed events for each thermostat.

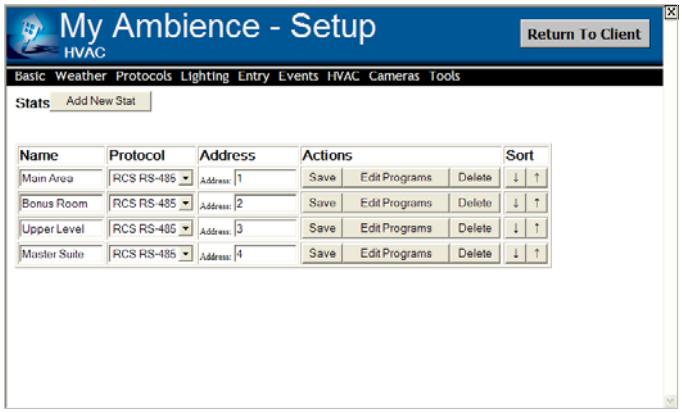


Fig: 40

The Thermostat Settings are complete.

This procedure is the same for all types of thermostats. The only variation is the addressing scheme. For example, UPB requires a Network ID and Device ID.

When completed, press the "**Return To Client**" button.

Fig: 41

From the User Interface, select "**Thermostats**".

We have added a total of 4 stats and there is a "Current Temperature" indicator beside each thermostat. To view any thermostats control, press the button bearing its name.

Press the "**Main Area**" button.

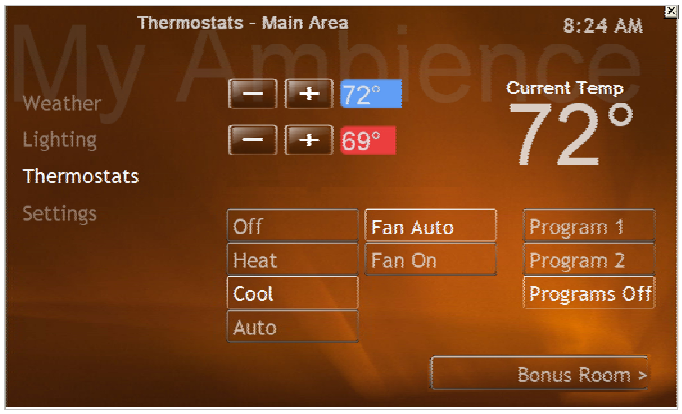


Fig: 42

The thermostat control appears. Thermostat operation at this point is just the same as the wall display.

You will note that there are provisions for two thermostat programs. The "**Programs Off**" button is currently engaged indicating no programs are currently running. More on that later

The thermostat setup is complete.

Thermostat Programs

Each thermostat in MyAmbience can have two separate "Programs". Each program has four timers. These programs can call new Set Points based on sunrise, sunset or time of day. They could be used as Home /Away or perhaps Winter/Summer programs.

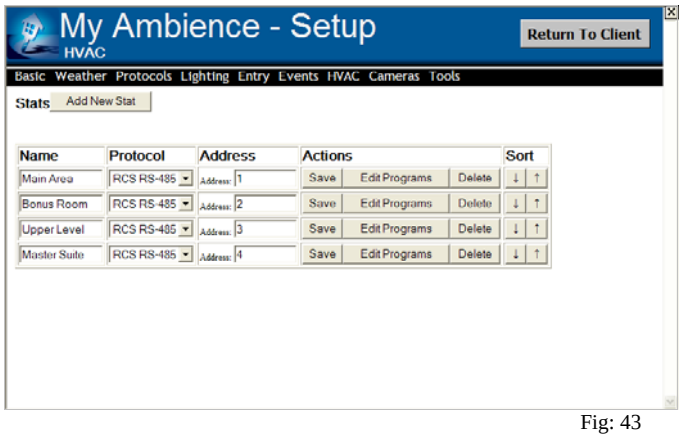


Fig: 43

From the "Main Setup Menu" select "HVAC".

The thermostats that have been configured will appear. Press the "**Edit Programs**" button on the first thermostat.

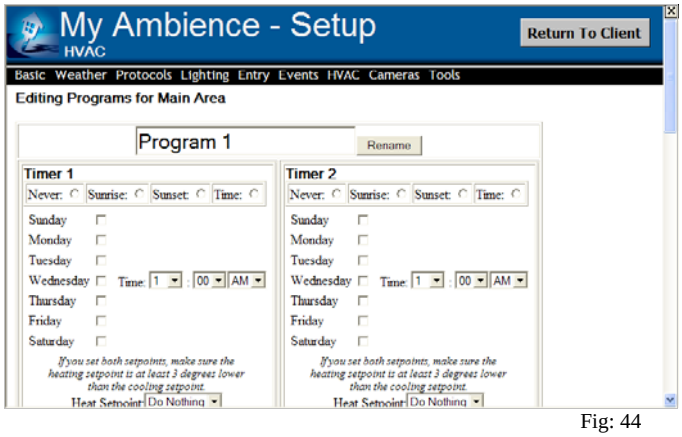


Fig: 44

The four timers appear for Thermostat 1 (Main Area). The function here is to change the Set Point based on a certain time.

For this example, we will set the thermostat to 69 at 11PM and turn it back up to 72 at sunrise. So Timer 1 will be our 11PM set point change to 69.

Select the "**Time**" radio button from Timer 1.

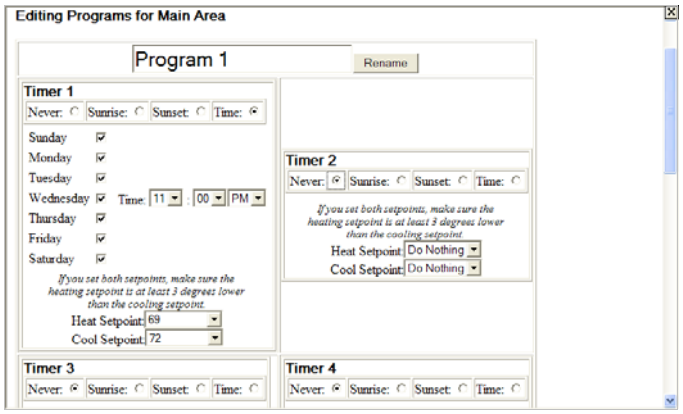


Fig: 45

We have set the time at 11PM, everyday, to set the heating set point to 69, and the cooling to 72. There must be at least 3 degrees difference on an RCS thermostat with dual set points.

Select the "**Sunrise**" radio button on Timer 2.

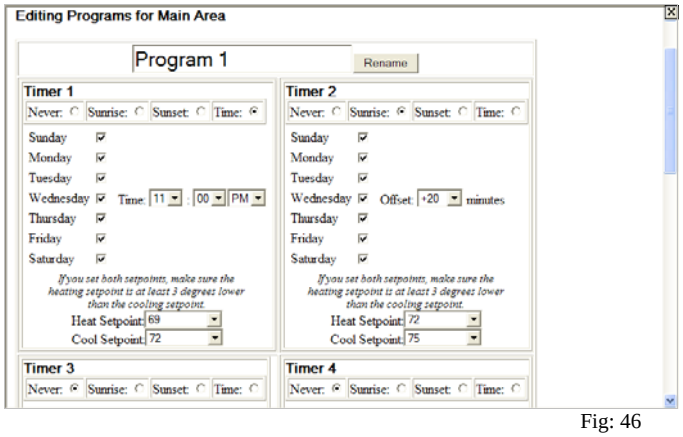


Fig: 46

Timer 2 (for Program 1 was set for everyday, 20 minutes after sunrise to set heating to 72 and cooling to 75.

This type of program could be a great winter program but need to be altered for the summer, or Program 2 could be for summer. Timers 3 and 4 may be used to make additional changes.

Use the "**Program 1**" textbox to rename the program. Enter the new name and press "**Rename**".

There are an endless number of combinations and ways to use these timers. The setup procedure remains the same.

Notes:

The AUDIO Menu

To setup the audio portion of MyAmbience, once again we need to establish how the Server is going to communicate with the audio equipment. This is usually done, by setting up a serial port in the protocols menu. This manual has covered this procedure in the “Protocols” section. If needed, please return to that section to setup the protocol for the equipment to be installed.

The example used in this manual will be to setup a single Russound R-Net Controller.

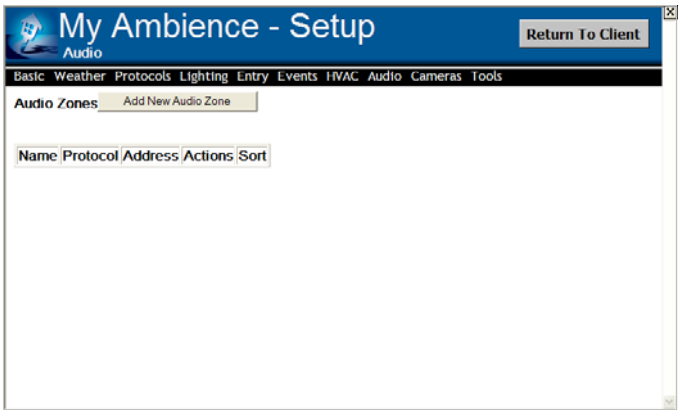


Fig: 50

From “Setup” select the “**Audio**” button.

Next, Select the “**Add New Audio Zone**” button. To add multiple zones, click the button as many times as needed.

For our example, we will click 6 times.

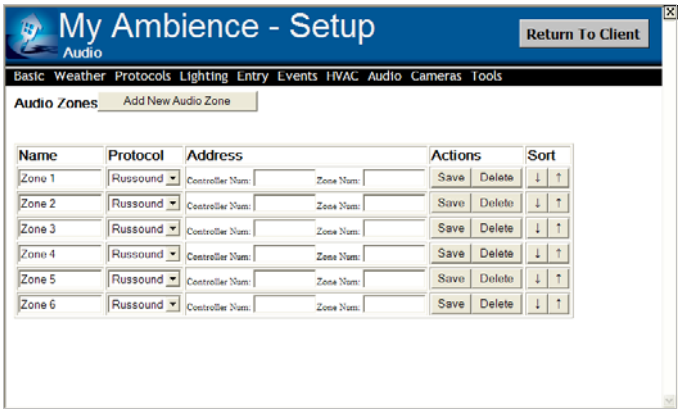


Fig: 51

In this example, we are using a single Russound CAM6.6, which has 6 audio zones. Zone 1 is in the Kitchen.

We will enter “Kitchen” as the zone name. This allows the user to call zones by their name, and not have to remember where zone 4 is. Remember, any zone can be accessed from the panel.

Fill in each line of data and press “**Save**” after each line.

Enter the audio zone information and press “**Save**”.

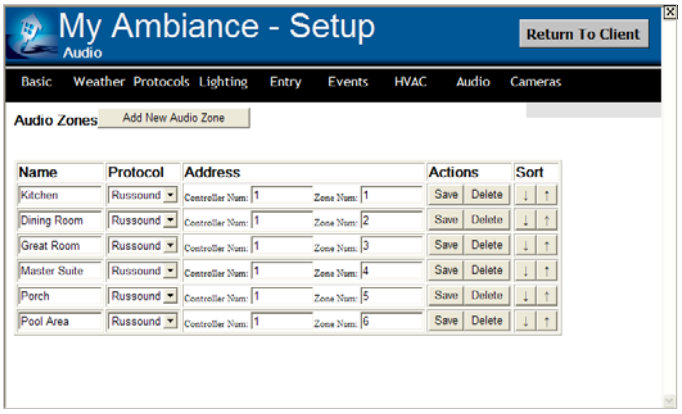


Fig: 52

That’s it! Complete.

All the zones in our project have been added. Note that our example is for a Russound R-Net with 6 Zones on 1 controller. The “Protocol Information” indicates that it is Russound. Here, the first number is the Controller number and the second entry box is the zone number.

Press the “**Return To Client**” button, then press “**Audio**” and see what we have done.

Fig: 53

All of the Audio Zones appear by name and their current status is indicated. MyAmbience also added an "**All Zones Off**" button.

The panel is not aligned to any particular zone. You can access all zones from any panel. Lets enter a zone.

Press any Zone Button.

Fig: 54

MyAmbience replicates a keypad from the system that is installed. This makes it very easy for the homeowner: they are already familiar with the keypad in the wall. Use it exactly as you would the keypad. (The zone is currently "Off" so the status messages are not shown in this graphic).

Setup for audio is complete.

For info on how it works and looks in operation, please refer to the user manual.

Notes:

The SECURITY Menu

MyAmbience will act as an addition keypad and status indicator for any number of security panels. However, the installed panel must have the ability to communicate with an automation controller through a RS232 interface. There are a number of very popular panels on the market, which do this: Caddx NX8E, DSC, Gemini, to name a few. If you do not see your brand of choice, please contact support at MyAmbience. We will do our best to add it for you quickly.

To setup the security portion of MyAmbience, once again we need to establish how the Server is going to communicate with the security equipment. This is done, by setting up a serial port in the protocols menu. This manual has covered this procedure in the “Protocols” section. If needed, please return to that section to setup the protocol for the equipment to be installed.

As odd as it may sound, You Are Finished!

MyAmbience has done all the background work for you.

Press the “**Return To Client**” button.

Fig: 60

Upon returning to the user interface, you will note that “Security” now appears in the menu items list.

Press the “**Security**” button.

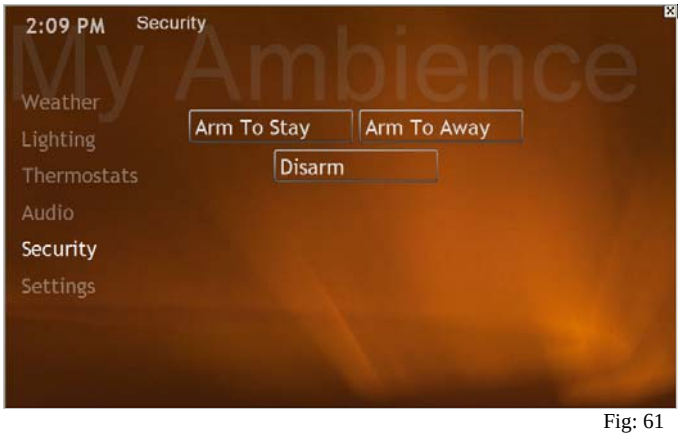


Fig: 61

The security page provides the three principal functions as well as a keypad and system status line. The system can be armed and disarmed just as it can by keypad.

The level of complexity is dependent on the availability of functions from the installed panel. Some panels provide a great deal of information, while some just provide the basics. Choose your panel accordingly.

The example used in this manual was a Caddx NX-8E security system.

The POOL Menu

MyAmbience currently supports the Jandy Pool Interface. This requires a Jandy AquaLink RS Serial Adapter. This adapter provides an RS232 interface to MyAmbience.

IMPORTANT NOTE:
The AquaLink RS Serial Adapter needs to be isolated from the MyAmbience serial port. In the event of a lightning strike, the high voltage looks for ground and will likely find it in the server. This generally applies to all automation servers, not just the MyAmbience Server. This type of strike will damage the serial port and likely destroy it. We have published an application note on our website www.myambience.com , which details methods of preventing this from happening.

To setup the Jandy Interface in MyAmbience, once again we need to establish how the Server is going to communicate with the pool equipment. This is done, by setting up a serial port in the protocols menu. This manual has covered this procedure in the “Protocols” section. If needed, please return to that section to setup the protocol for the equipment to be installed.

Once the protocol has been added, “Pool” will now appear on the Menu Line in Setup. Select “**Pool**” from the top menu.

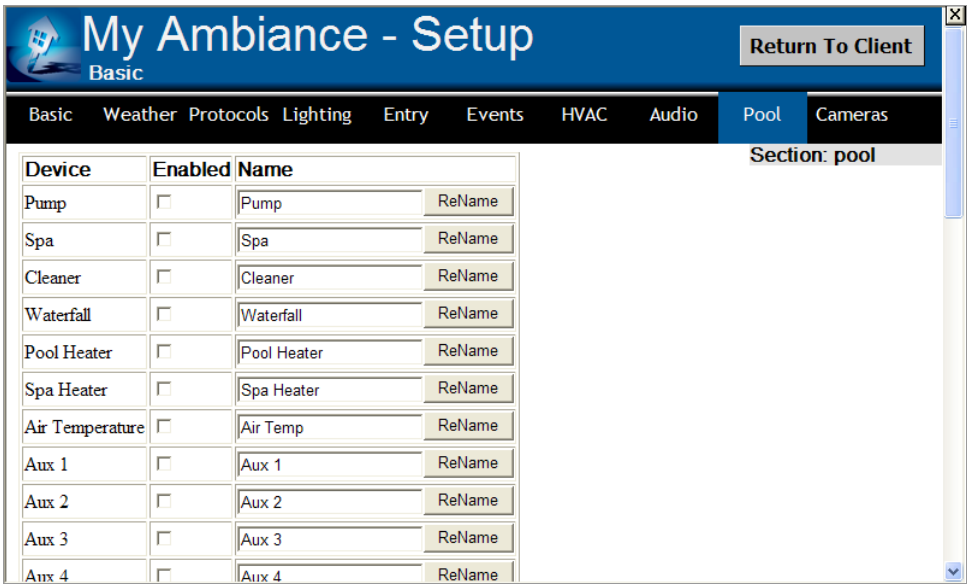


Fig: 70

The Jandy Pool Service Center comes in many configurations. MyAmbience has included a provision for all devices. In Fig: 70, the main items are shown. The right scroll bar would reveal all 31 Aux Controls. Each item can be renamed to the users liking.

To setup the Jandy Interface, simply enable the installed devices using the check boxes, and rename any that you may feel are required. For instance, the “Aux 1” control may be the Pool Light, and “Aux 2” may be the Spa Light. Rename them accordingly.

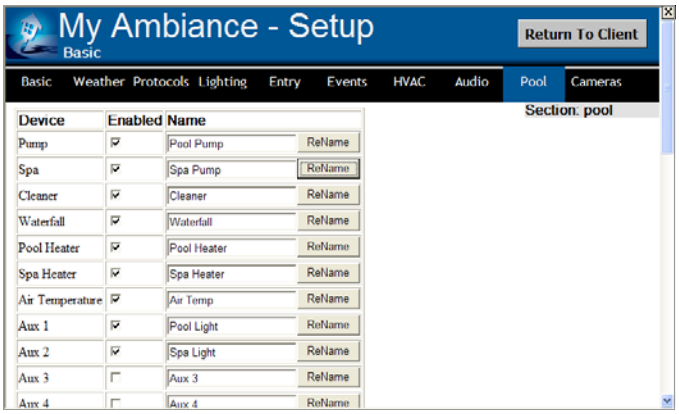


Fig: 71

In this example, the first 9 items have been enabled. The “Pool” and “Spa” have been re-named as well as “Aux1” and “Aux 2”.

To Re-name an item, simply type the name into the text box and press the “ReName” button.

Once again, Pool Setup is complete!

Press the “**Return To Client**” button.

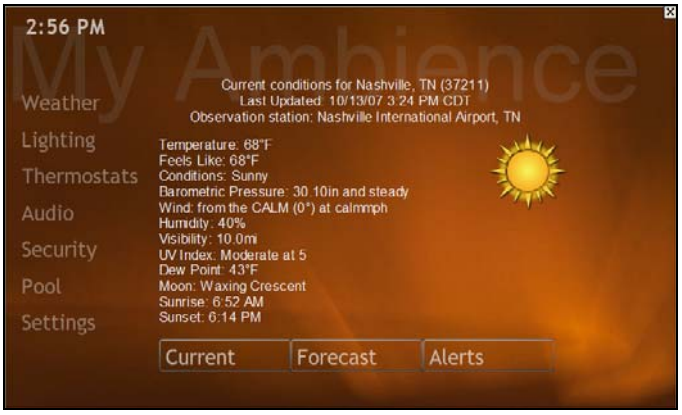


Fig: 72

Upon returning to the user interface, you will note that “Pool” now appears in the menu items list.

Press the “**Pool**” button.

Fig: 73

The Pool page appears showing all the main functions of the pool. We can see the current pool and spa temps and set points as well as their status.
The four main pumps are also shown.

Press the “**Show Auxiliaries**” button in the lower right corner.

Fig: 74

This page only shows two “Aux” controls, as that is all that were enabled. There is no need to look at buttons that are not used.

The status of these items is also indicated. Pressing these buttons will toggle them on and off.

The “**Show Main**” button will return the user to the main pool page.

The IRRIGATION Menu

MyAmbience supports a variety of irrigation controls. Each zone is given a descriptive name (Example: “Left of Drive”). There is the ability to set up 4 watering programs, as well as individual zone control. There will be more info on that later, but first, lets get the control set up.

MyAmbience needs to know how it will communicate with the controller and what the controller is. So, once again, go to “Setup” and define a new Protocol. For this example, we will use a Rain8Net Control with a serial RS232 interface. This is done, by setting up a serial port in the protocols menu. This manual has covered this procedure in the “Protocols” section. If needed, please return to that section to setup the protocol for the equipment to be installed.

Once the protocol has been added, “Irrigation” will now appear on the Menu Line in Setup. Select “**Irrigation**” from the top menu.

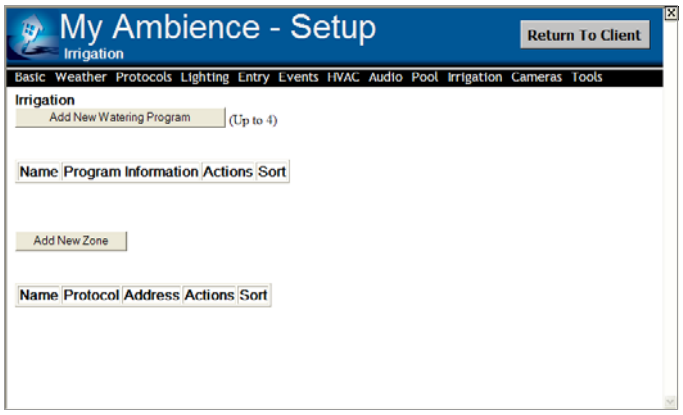


Fig. 110

We will start by adding the “Zones”.

Press the “**Add New Zone**” button.

You may add multiple zones in the step by pressing the “**Add Zone**” button multiple times.

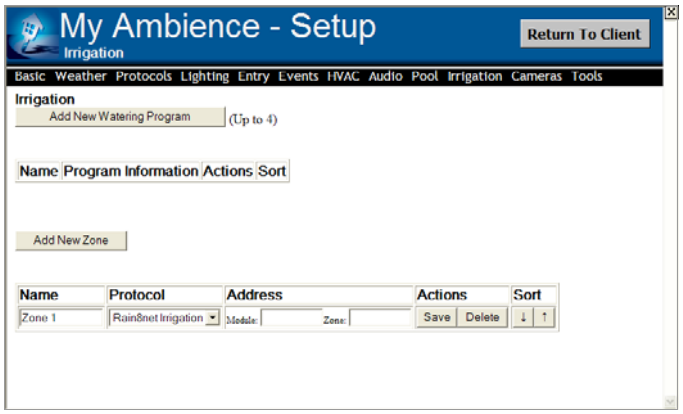


Fig: 111

The default name “Zone 1” appears in the name box. The protocol type is shown, and there are the appropriate data boxes for this protocol.

Enter the zones descriptive “Name”, and in this case, “Module Number and “Zone Number”.

Press the “**Save**” button after editing each zone.

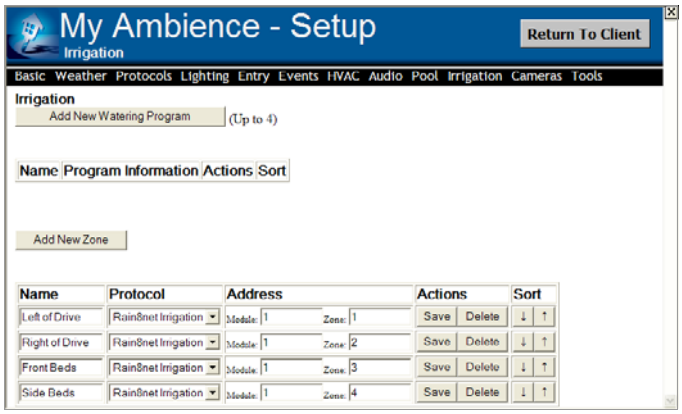


Fig: 112

In the example, the various zones are shown with their addresses. Their order can be re-arranged using the arrows in the “Sort” column.

Once the “Zones” have been set up. The “Watering Programs” can be set. Let’s do that.

Press the “**Add New Watering Program**” button.

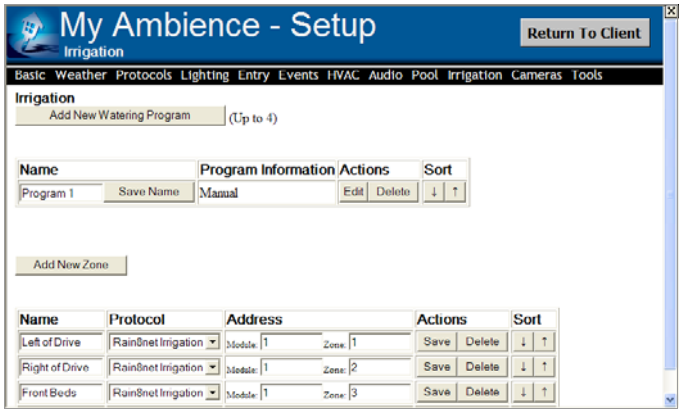


Fig: 113

A control appears for “Program 1”. It is currently set to “Manual”, which means that this watering program will only run if the program is started by a button press.

Let’s set up a program.

Enter a “Name” for the program. Press the “**Save Name**” button.

Then press the “**Edit**” button.

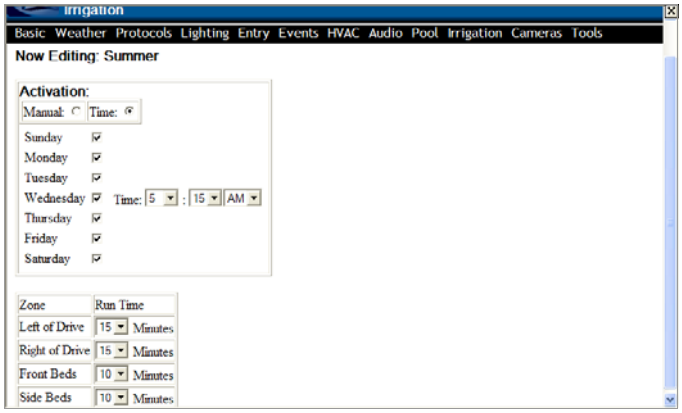


Fig: 114

The Program was named “Summer”. The program was set to run everyday at 5:15 AM. Each zone was given an amount of watering time.

So this program runs automatically at 5:15AM and will have a total run time of 50 minutes, which is the total all zone watering times.

You may press “**Irrigation**” from the top menu and add more programs, just as we have added this program.

Note: Just a word of caution. It is quite possible to setup conflicting or overlapping programs. If a program is set to run before another program finishes, it will cancel the original program and start the new. Plan the watering programs and be certain they do not overlap.

Lets return to the user interface and see what we have done. Press the “**Return To Client**” button.

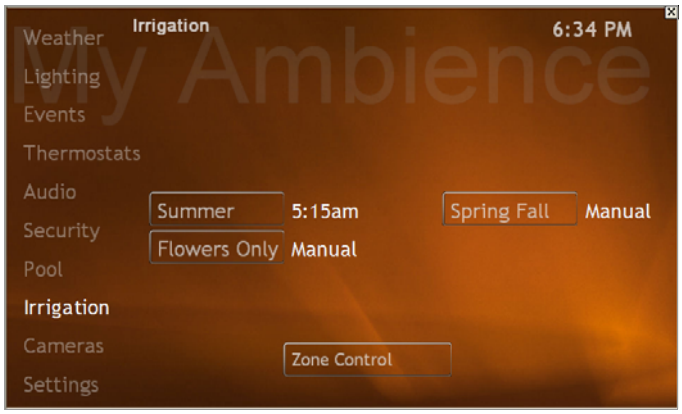


Fig: 115

There are 3 Watering Programs set up. Only the "Summer" program is set to run by time. In order to run the other programs, the button must be pressed. The "Summer" program can also be run at any time by pressing the button.

There is also individual zone control available.

Press the "**Zone Control**" button

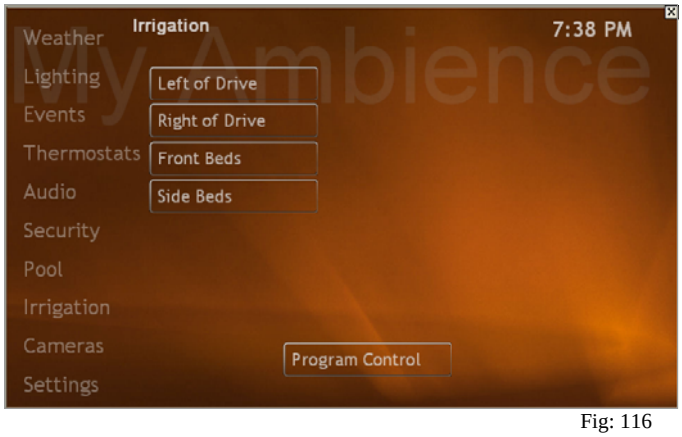


Fig: 116

The individual zones appear. In this example, we have only set up four zones. You may set as many as your controller can handle.

To activate a single zone manually, press that zone button. We will press the "**Left of Drive**" button.

Fig: 117

A + and - controls appears to set the amount of time to manually water the zone. There is also a "Run" and "Cancel" button.

Set the desired run time with the "+" "-" controls, and press the "**Run**" button.

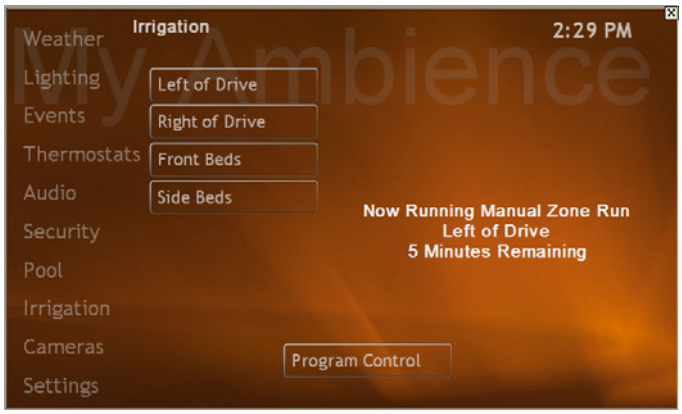


Fig: 118

The zone valve is activated and the information about the zone that is being run appears on the screen. The time remaining counts down a minute at a time and will shut the zone off when the time expires.

You may also press the "Cancel" button to stop the zone early.

The irrigation programming is complete.

The CAMERAS Menu

MyAmbience supports a variety of IP based cameras. Each camera can be given a distinct name, such as Front Door or Pools Area. Different cameras may require a user name and a password for access, so you will need that information. You will also need to know the URL.

From the Setup Top Menu press the "**Cameras**" button.

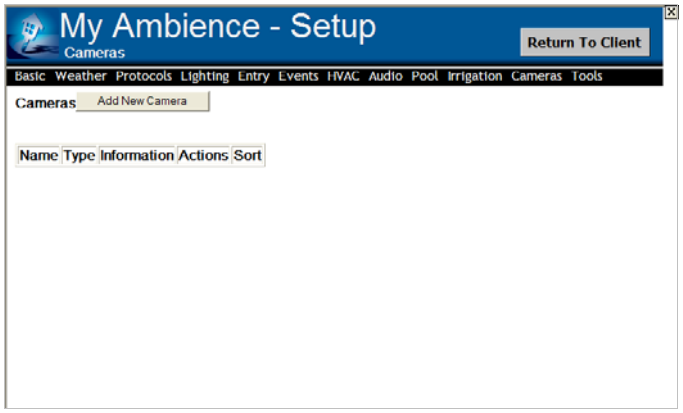


Fig: 80

Press the "**Add New Camera**" button.

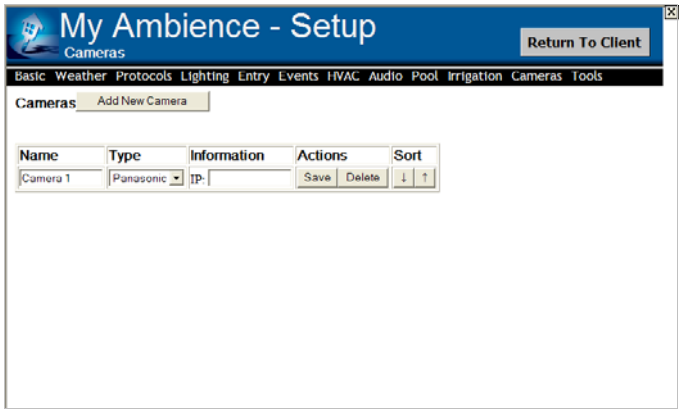


Fig: 81

Add the name for the new camera in the text box, select the Camera Type and enter the cameras IP information. Press the "**Save**" button.

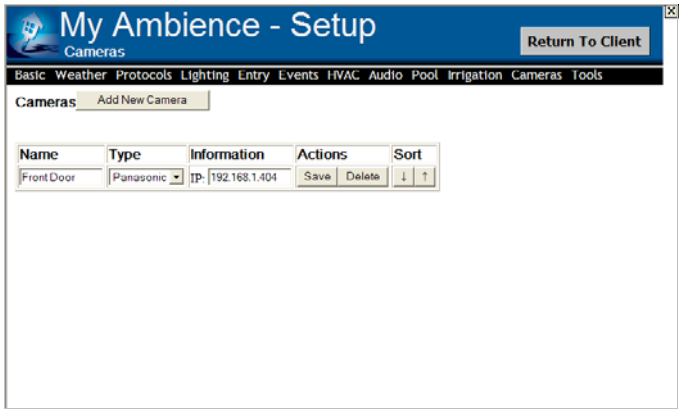


Fig: 83

The camera appears on the list. Continue to add the additional cameras in the same manner, until complete.

When completed, press the "**Return To Client**" button.

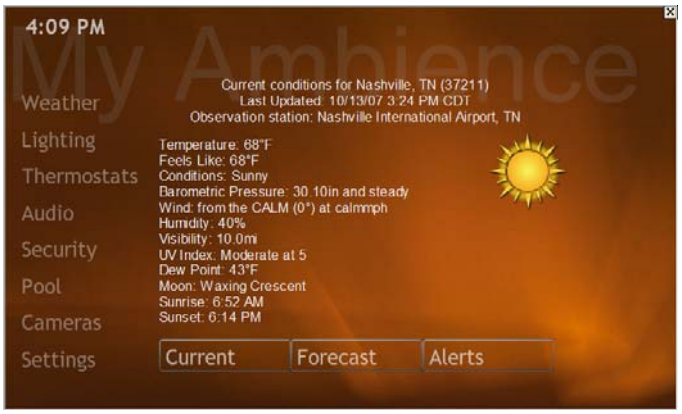


Fig: 84

A Main Menu item for "**Cameras**" has been added. Note that all the menu items have been added dynamically. There are only menu items for those components, which are installed.

Press the "**Cameras**" button.

Fig: 85

In our example, we installed two cameras: "Front Door" and "Garage Area". Two buttons appear on the "Cameras" page to access those cameras.

Select a Camera. In this example, we will press the "**Front Door**" button.

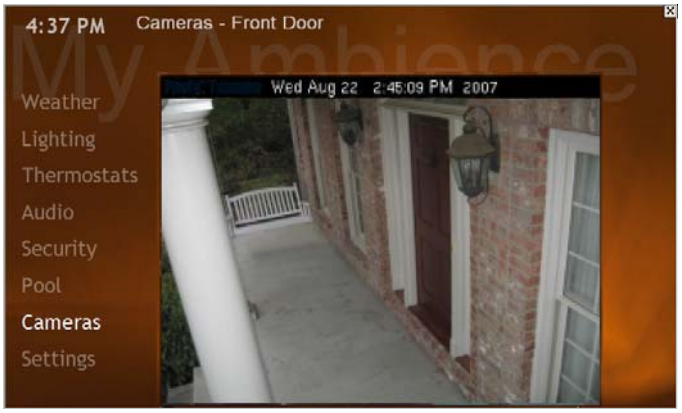


Fig: 86

The "Front Door" camera image appears in the panel window.

That's it. The configuration is complete.

The EVENTS Menu

Events are really the heart of the MyAmbience system. So far we have put control of a number of household devices into a centralized place: the touch panel. However, we really have not “automated” anything. The most useful of these functions may be lighting, but MyAmbience events can also set thermostats, Garage Doors, Turn the Audio system off, set pool functions and so on. It just depends on what devices are installed.

These “Events” can be set to happen at a certain time of day, sunrise, sunset (with offsets), by simply pressing the button, or activated by a remote trigger from a keypad such as a Homeworks or UPB keypad. You may wish to have an “Evening” event that turns on many lights in and around the house. This event might be set to happen each day at sunset. There may be a “Good Night” event that is not set to a timer, but a button press, as we do not go to bed at the same time every night. That event might turn off most of the lights in and around the house. It could also set the thermostats down a few degrees, turn off the house audio system, assure that the garage doors are closed, and even turn of the waterfall pumps in the pool area.

All of these “Events” can also have a “Vacation Mode” so that the house will behave differently when no one is there, by simply pressing the “**Vacation Mode**” button.

Lets start by setting up some simple lighting “Events”.

From the Setup Top Menu, press the “**Events**” button.

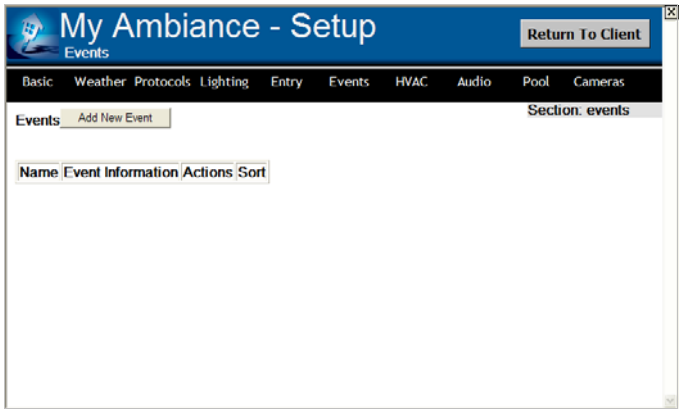


Fig: 90

Lets add a new “Event” to turn on some lights, each day at sunset. Remember, at the weather page, we told MyAmbience where the server lives, so each day MyAmbience can calculate a new sunrise/sunset for that location.

Press the “**Add New Event**” button. For multiple Events, you can press it multiple times.

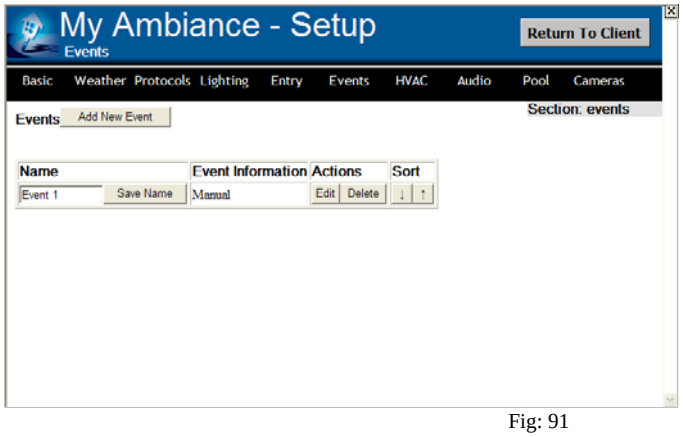


Fig: 91

Enter the “Event” name in the text box. For this example, we will call the event “Good Evening”. Press the “**Save Name**” button.

To set up the Event, press the “**Edit**” button.

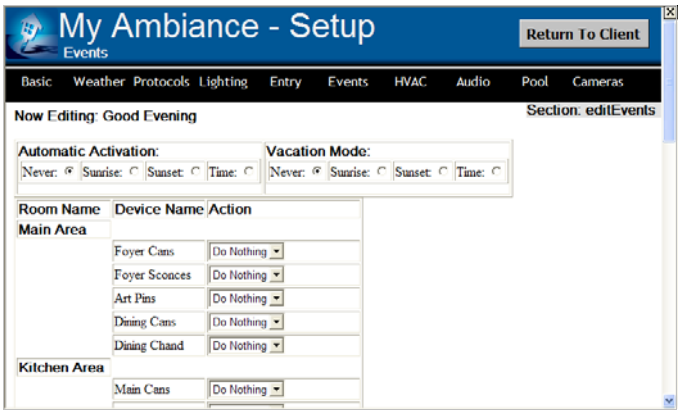


Fig: 92

This is the “Event” setup screen. It is where timers can be set for “Automatic Activation” and “Vacation Mode”. There is a list all the controllable devices that can be set in an event.

Lets just work our way though this event starting with “Automatic Activation”. This is a “Sunset” event so click the “**Sunset**” button.

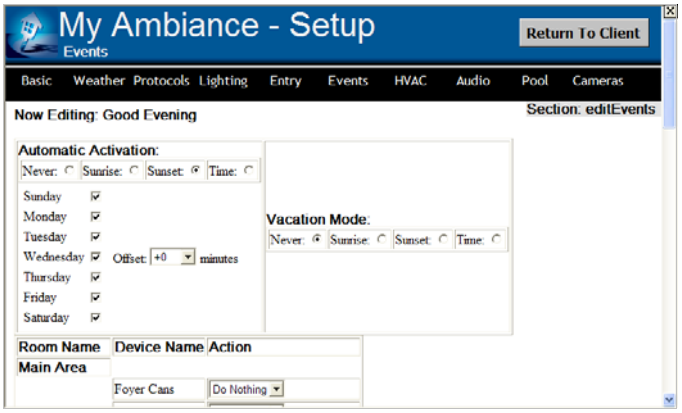


Fig: 93

This opens selections for the days of the week this “Event” should occur. It also shows an “Offset”. The “Offset” is the number of minutes before or after sunset, the event should occur. In this example, lets use 20 minutes before sunset, everyday.

Go ahead and make those settings.

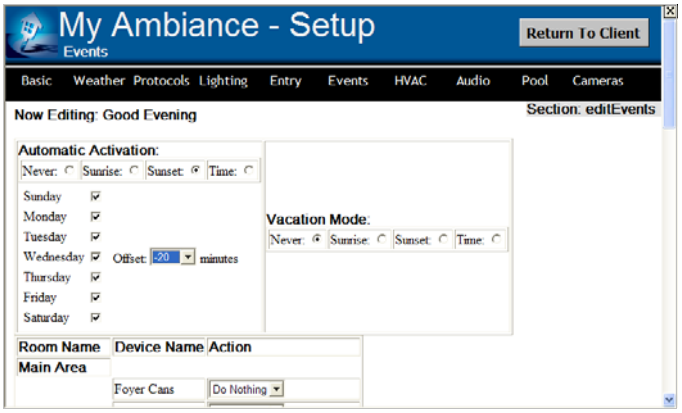


Fig: 94

You will also notice another timer setting for “Vacation Mode”. The event screen has a single button to switch “Vacation Mode” on or off. Any settings on the “Vacation” timer will activate and not allow the “Automatic” timer to go.

More on this later…

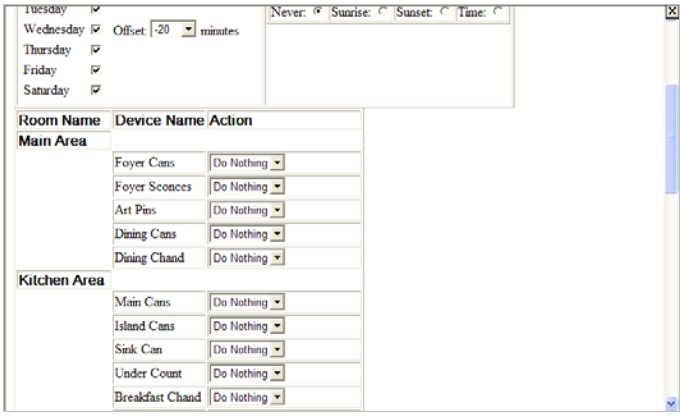


Fig: 95

Next, the light loads are shown arranged by “Area”. Each device can be assigned a Dim Level, On Full, Off, or to Do Nothing.

Simply step through each load to be affected by the event (using the drop down text box) and assign its new status.

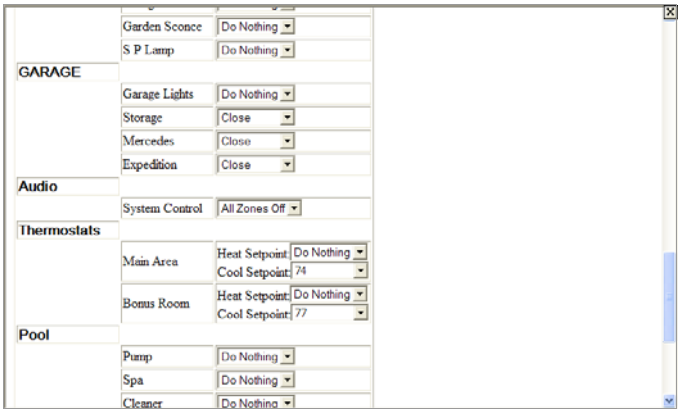


Fig: 96

The list of controllable devices is dependent on the items installed. For instance, garage doors may be issued a “Close” command, or the audio system may be issued a “All Zones Off” command. Both of these would be useful in a “Good Night” event.

Once all the values are set, press the “**Events**” button on the Setup Top Menu to add another or press the “**Return To Client**” button to exit Setup Mode.

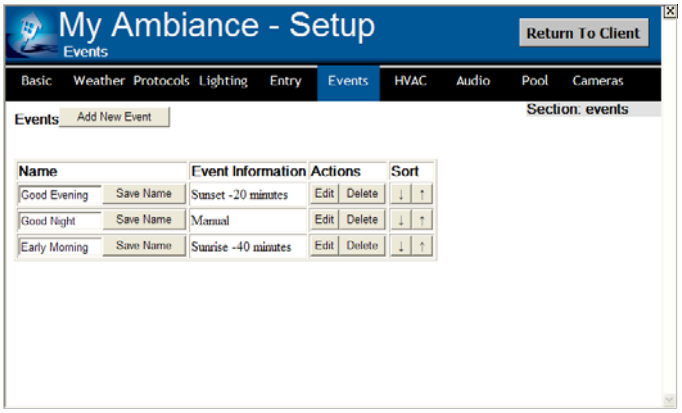


Fig: 97

In this example, two additional “Events” have been added. Note that he “Good Night” event is “Manual”, in other words there are no timers set for regular use. The homeowner simply activates the event at bedtime.

The “Early Morning” event is set to turn off any overnight lights at 40 minutes before sunrise. These events are quite simple to change and can be easily altered by the homeowner.

Press the “**Return To Client**” button.

Fig: 98

An item for “Events” has now appeared on the Main Side Menu.

Press the “**Events**” button.

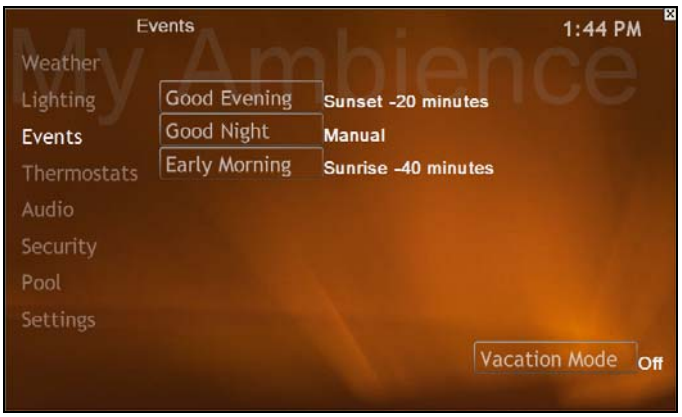


Fig: 99

The “Events” are shown as expected. Their timer status is also indicated. Any event may be activated at any time regardless of its timer status, by simply pressing the event button.

You may setup as many “Events” as required.

Note the “Vacation Mode” button in the lower right corner. The “Vacation Mode” is off.

A few words on “Vacation Mode”

A “Good Night” event may be set to “Never” for “Automatic Activation”, as the owner will press the event button at bed time which is different every night. However, when away overnight, something has to turn the lights off that “Good Evening” turned on. We can either leave the house in darkness by not turning on “Good Evening” or by setting a “Good Night” timer for 11PM.

There are many ways that these two different sets of Event Timers can be used. They can also set thermostat temperatures or turn off the whole house audio system.

Remote Triggering of Events

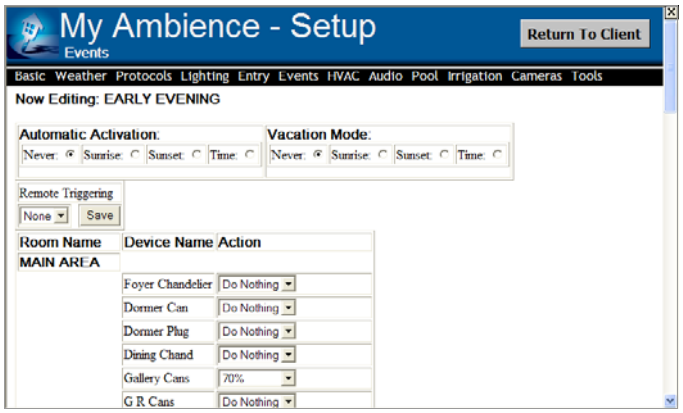


Fig: 100

Events can be triggered by a keypad such as Lutron Homeworks or a UPB 6 Button. This feature is useful for initiating an “Event” from a location where a Touch Panel is not located.

For instance, the “Good Night” event could be triggered from a keypad in the Master Bedroom.

There is a drop down box, under the timer setting where a remote trigger can be set up.

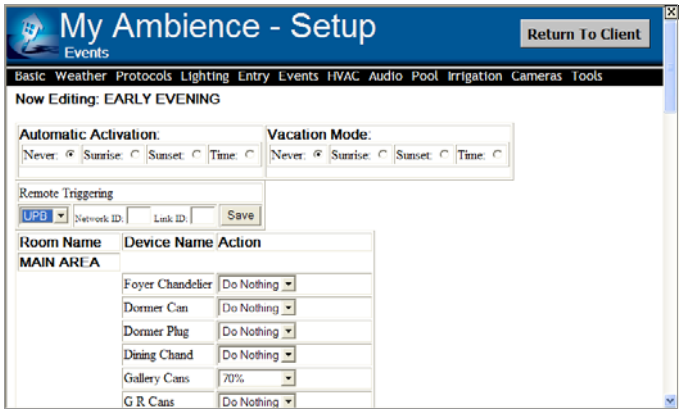


Fig: 101

In the example, we are showing a UPB keypad. MyAmbience just needs to know the Network and Link ID. In other protocols it may be Keypad and Button Number or more. Simply set the required information for the keypad type and press the “**Save**” button.

Each time that particular keypad button is pressed, the event will activate.

(Note: In UPB, the link could be sent by a single dimmer.)

Notes:

The TOOLS Menu

The Tools Menu holds a series of useful tools for the installer, such as Back Up and Restore of Data, Remote Support and Network Information.

Select "**Tools**" from the Setup Menu Bar.

Restore Points

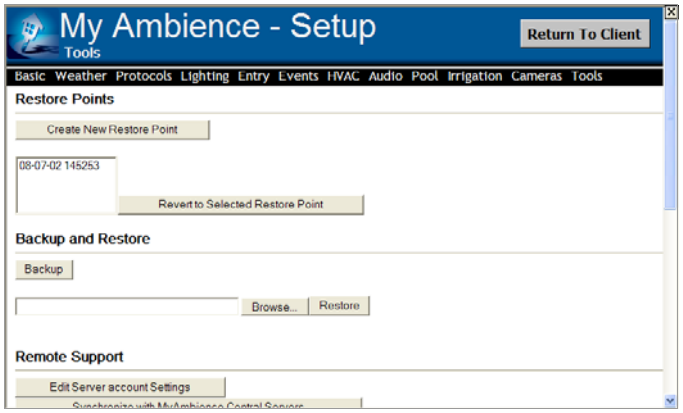


Fig:120

Pressing the "**Create New Restore Point**" button will take a snapshot of all of the MyAmbience System Data as it is at that moment.

MyAmbience saves 10 restore points and names them by day-month-year hour-minute-second. Once 10 Restore Points have been saved, each additional Restore Point is written and the oldest one is dropped from the list.

It is helpful during setup to create Restore Points along the way, just in case….

Highlighting a particular Restore Point and pressing the "**Revert To Selected Restore Point**", will restore the MyAmbience System Data to where the data was at the time that snapshot was taken.

This feature is quite useful when making questionable changes during setup. Just create a Restore Point and you can always get back to where you were.

Each system should always have at least one good Restore Point. Should the System Data become corrupted, MyAmbience will start to loop back through the Restore Points looking for the most recent valid file, and use that data.

Backup and Restore

IMPORTANT: Always make a backup of your System Data on a Pen Drive and store away in a safe place.

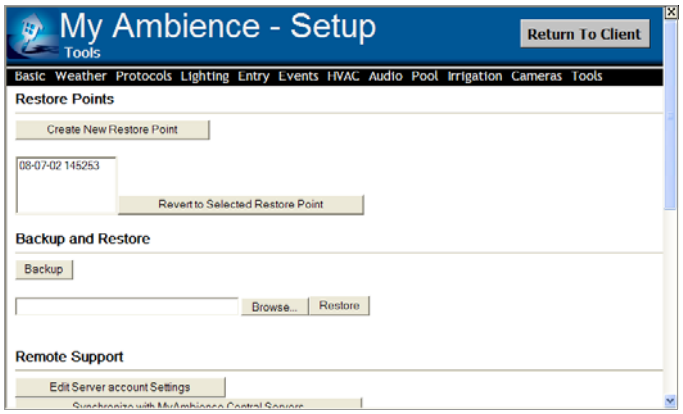


Fig: 121

Backup and Restore work just as any other computer program. To backup data, press the "**Backup**" button, browse to the storage location and give the data file a unique name. To restore data, browse to the file location and press the "**Restore**" button.

This can be done from a remote location, using remote access.

Backing up data onto a pen drive, which can be stored in a safe place, is ALWAYS a good idea.

Remote Support

Each MyAmbience system has full remote support and access. This allows the homeowner to access their machine from any internet enabled web browser in the world. This is done by going to the MyAmbience website http://www.myambience.com/ and logging into their account. From there, they are taken into their machine in their home and shown the exact same screen that they would see on the WiFi panel. In order to do this, MyAmbience needs some information.

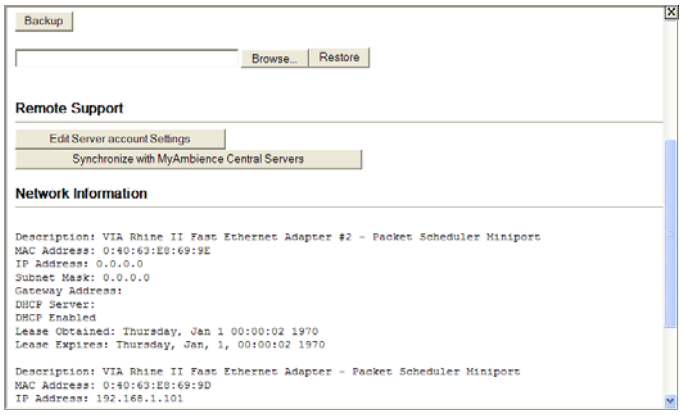


Fig: 122

To enter this information, press the "**Edit Server Account Settings**" button in the Remote Support area. A popup window will appear. Enter the following customer data:

User Name:
New Password:
First Name:
Last Name:
Address 1:
Address 2:
City:
State:
Postal Code:
Phone Number:
Email:

Press the "**Save**" button.

The next step is to press the "**Synchronize with MyAmbience Central Servers**" button. This will do a number of things. It will not only sync the User Name and Password, but will tell the MyAmbience servers vital information such as IP address. This allows the user to log into their account for remote access. MyAmbience knows where the machine is.

Twice a day the MyAmbience Automation Processor "phones home" so to speak. It will report any changes in its IP Address, so that the customer will always have access. This function also allows the installer or service tech to gain access to the automation system so that changes can be made for the client without actually going to the residence.

Network Information

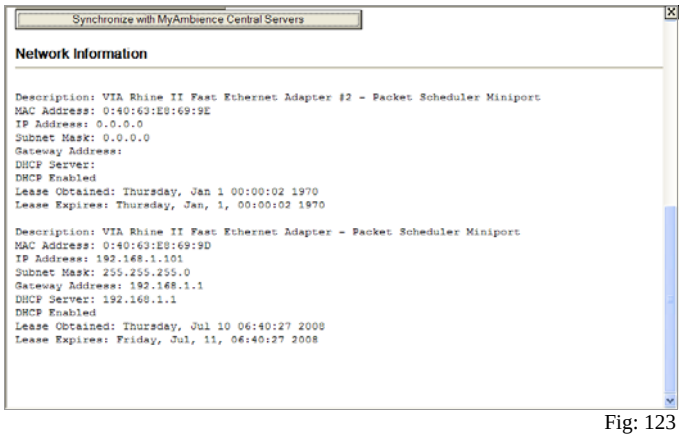


Fig: 123

This screen is purely informational. It provides useful information about the network.

It requires no input from the installer or user.

Logging in Remotely

Remote login requires Internet Explorer 7.0 or greater, or Firefox 2.0 or greater or Safari. All browsers also require Adobe Flash.

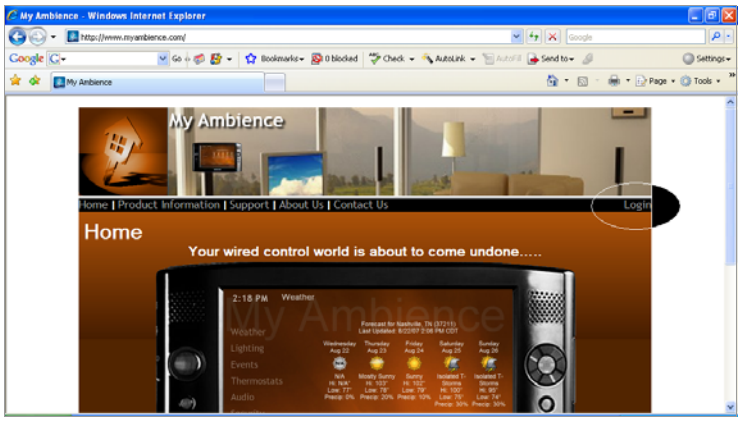


Fig: 124

To log into your MyAmbience system remotely, simply navigate to the MyAmbience Website at http://www.myambience.com/ and click on the "Log In" tab on the menu bar where indicated in Fig: 124.

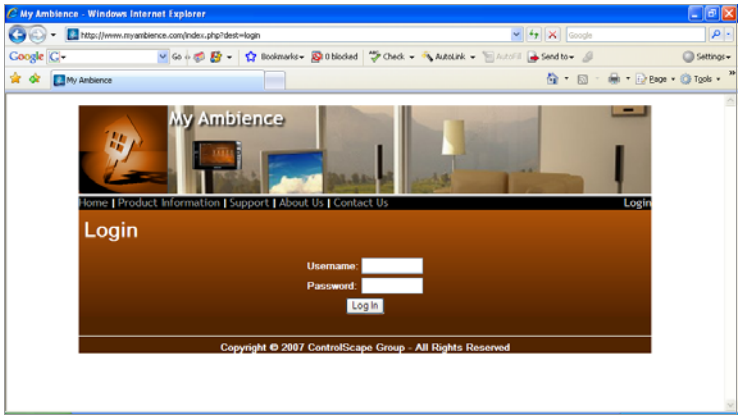


Fig:125

You will be prompted for the User Name and Password. These must match the information sent to the MyAmbience central server by the automation controller. This was the form you filled out on the previous page.

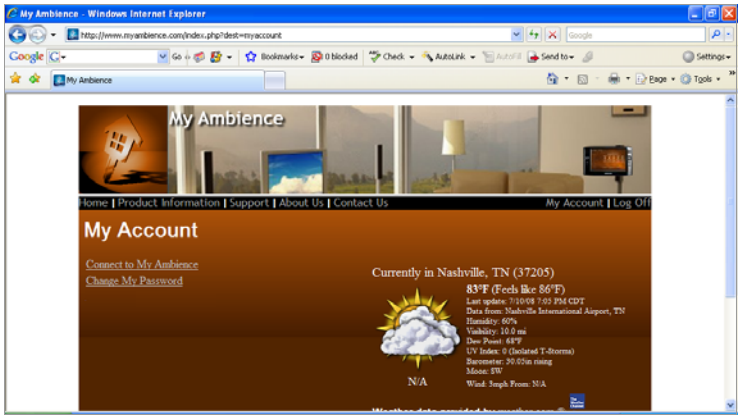


Fig: 126

To connect to your MyAmbience machine, press the "**Connect to MyAmbience**" button.

To change your password, press the "**Change My Password**" button.

There will also be local weather for your area.

Remote login can happen from the office, another country or from within the home. "From within the home" is often overlooked, and really quite useful.

MyAmbience

a product from

The ControlScape Group

Automation Technology

Nashville Tennessee 615.263.2000

www.myambience.com

My Ambience
automation control system