

Pro Surveillance System 4.0

Quick Start Reference Guide

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1) Overview:

Version 4.0 of the Pro Surveillance System is our latest client end application for network monitoring. This version will support connections not only to Flex/Max series recorders, but anything from our IP camera line, including our Network Video Servers and Video decoders! This software is a great solution for users who don't wish to use the Internet Explorer web interface, or for users who have multiple sites they would like to centrally view and manage.

2) Initial Setup – Adding a New Connection

This chapter will walk you through the initial setup of your EPSS software. The first step after installation is traditionally to add your connection information into the software.

Step 1: Start off by launching the PSS software application. If you haven't changed it yet, use the user name "admin" and password as "admin". See Figure 2-1.



Figure 2-1

Step 2: Once logged in to the software, click the  button next to 'Setting Manage', and choose 'Device Manage' from the list. You will see the following menu. See Figure 2-2.

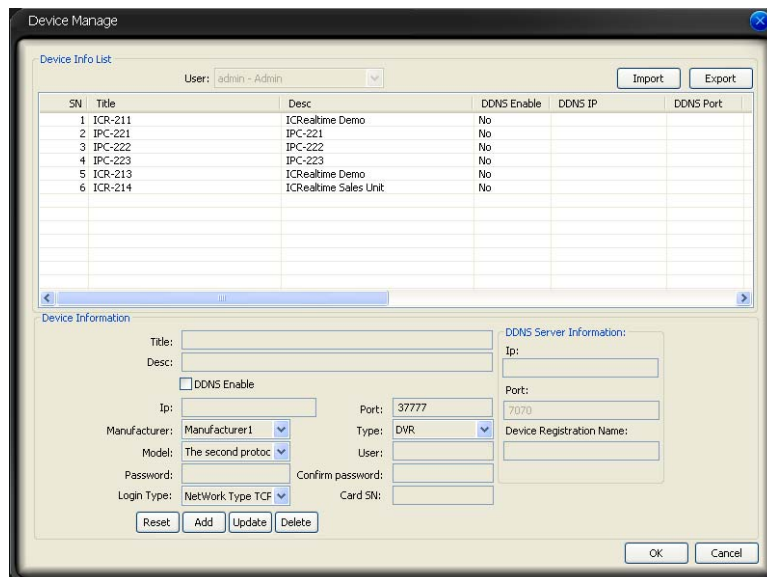


Figure 2-2

Step 3: Hit the '**Add**' button at the bottom of the form – the fields will become active. Fill out the following page with your connection information. The '**Title**' is to associate a name with your device. '**Desc**' is a brief description (not required.). '**IP**' will be the actual IP address assigned to your device. '**Port**' is your connection port of the device (typically 32789). '**User**' is your user name to login with. '**Password**' and '**Confirm Password**' are your passwords for your user name.

Once you have these fields filled out, click '**Save**' to add these entries to your device table. Once finished adding devices, click '**OK**' at the bottom. You should see the following prompt to acknowledge your entries. See Figure 2-3.

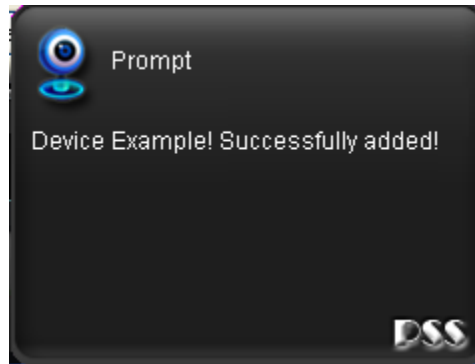


Figure 2-3

Step 4: You will now have your device listed under your '**Device List**' with the respective title. Right click on your device, and choose '**Log In**' to actually connect. From here, you can double click on the camera beneath your device to connect the video stream.

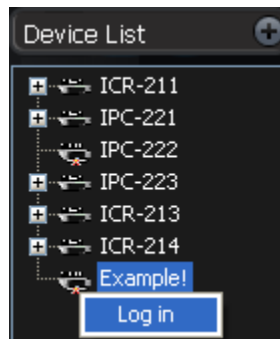


Figure 2-4

3) Viewing Live Cameras

If you've been following from the previous chapter, you should be currently connected to your device! This chapter will step you through arranging your cameras for live viewing.

Step 1: After successfully creating a new connection, right click on your device from your **'Device List'** and choose **'Log In'**. See Figure 3-1.



Figure 3-1

Step 2: If you have successfully connected, the software should prompt you towards the bottom right of the screen. See Figure 3-2. You will also notice a + next to your device name – you can expand the camera list by clicking on the + symbol. See Figure 3-3.

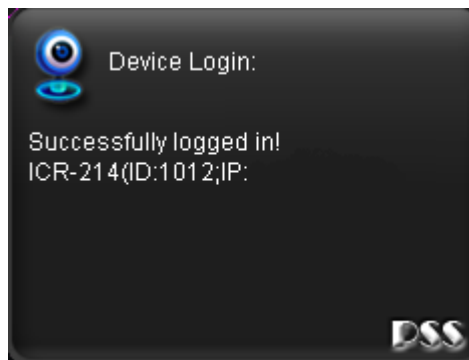


Figure 3-2

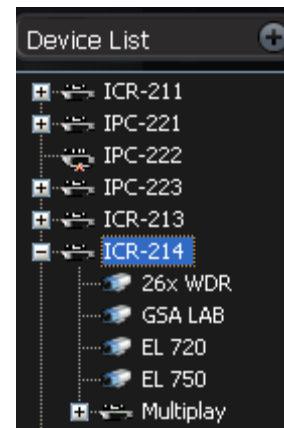


Figure 3-3

Step 3: To Connect to all of the cameras at once, you can actually drag the DVR icon (In Figure 3-3, this would be 'ICR-214') over to the viewing grid, in order to connect all cameras at the same time. Once you see your list of cameras beneath the device, you can connect to the video stream by double clicking the actual camera name. Your video will move to the viewing box that is outlined in green. See Figure 3-4. To change your total number of video windows or window layout, select from your views at the bottom left of the interface. See Figure 3-5.



Figure 3-4. Note the Green Outline.



Figure 3-5 From left to right: Transfer Mode, Full-Screen, View 1, View 4, View 6, View 8, View 9, View 13, View 16, View 20, View 25, View 36

4) Single or Multi Channel Playbacks

We previously explained how to connect and view live cameras. This chapter will explain how to perform a search, and also backup the recorded video.

Step 1: Once logged in to the software as well as your device, click on the Playback



icon. See Figure 4-1.

Step 2: Choose a device from the '**Device**' pull down menu, and also choose a camera from the following pull down menu. Also specify your '**Type**' of recording, and your '**Start**' and '**End**' times as well. Once that is completed, click the **Search** button for a list of results. See Figure 4-2.

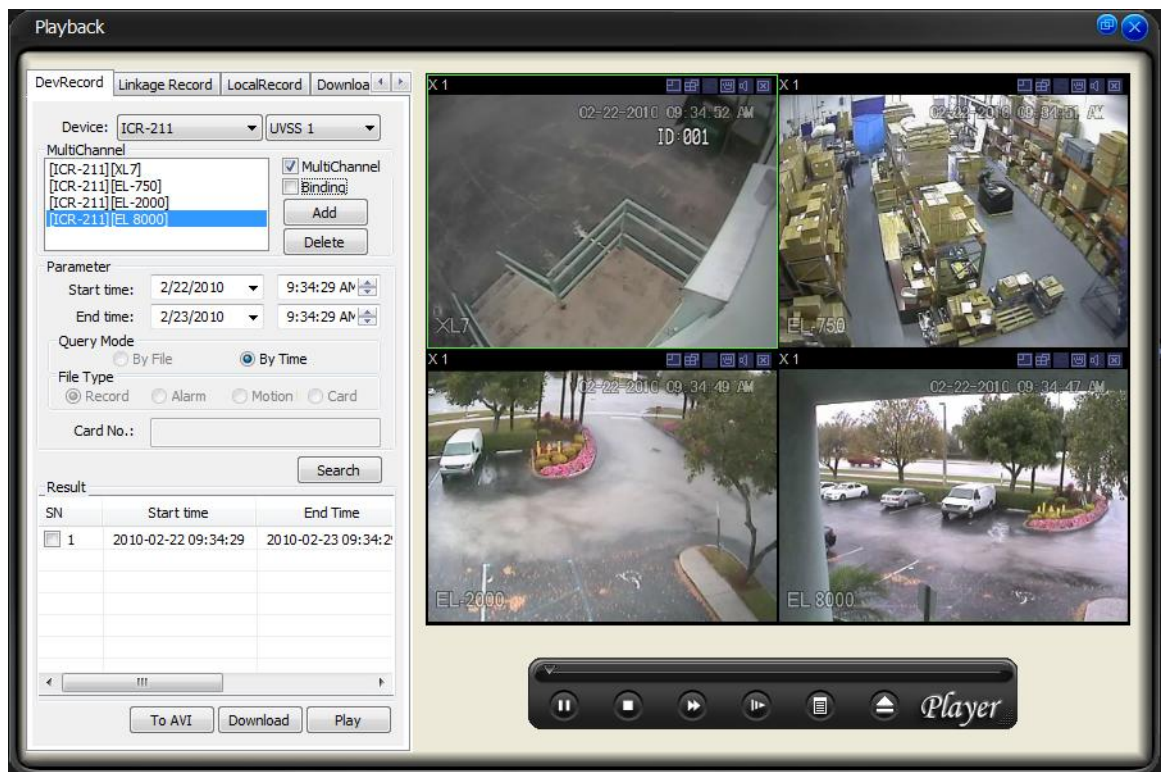


Figure 4-2

Step 3: Your results will be numbered in order of relevance. To start one of the results, simply double click on the start time from your **Results** table. Note your playback will move to the highlighted (green) video window. From here, you can manipulate the video using the playback controls at the bottom right.

Step 4: If you would instead like to download or backup your video, place a check next to your playback file in your **results** list, and click the **Download** button at the bottom. You will see your total download progress by clicking onto the **Download** tab. See Figure 4-3.

*Step 5: If you would like to utilize the multi channel playback, pick your first camera and device, and choose '**add**'. Select your second device and camera, and again choose '**add**'. You can repeat this for up to 4 cameras total. Once you have

your cameras added to the '**MultiChannel**' window, you can specify a time period under the '**Parameter**' section and then click '**Search**'. To start playing the video, double click on your '**Result**' that pops up.

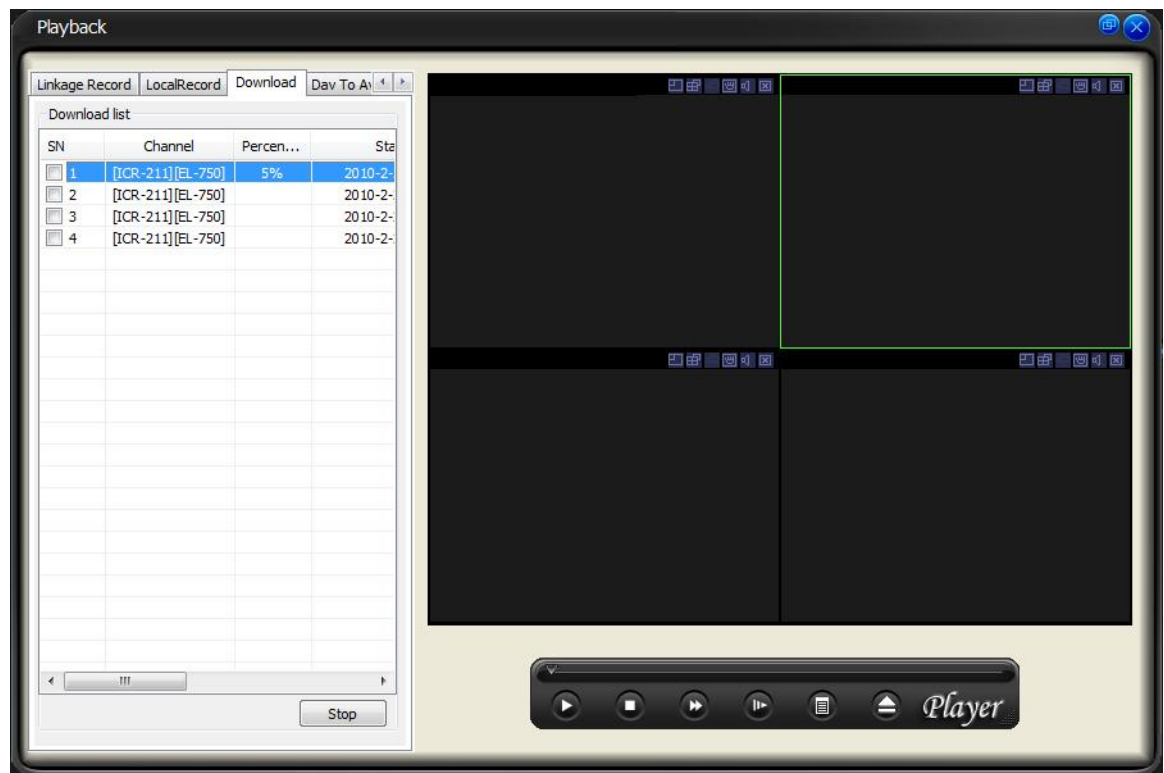


Figure 4-3

5) Predetermined Views – Tasks

This section will cover the creation of a specific template of cameras, in predetermined locations. The software refers to this function as a 'Task'. This is a useful way to quickly connect and disconnect cameras.

Step 1: Once logged into the software, click on 'Setting Manage', and then 'Scheme Task Config'. See Figure 5-1. You should see the interface as in Figure 5-2.

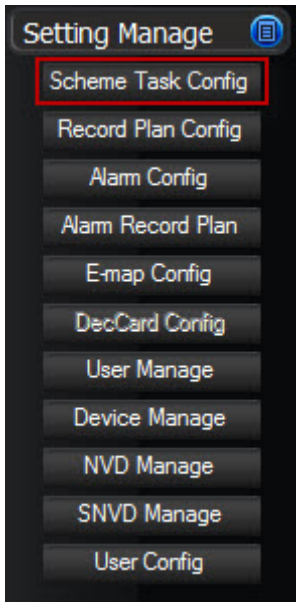


Figure 5-1

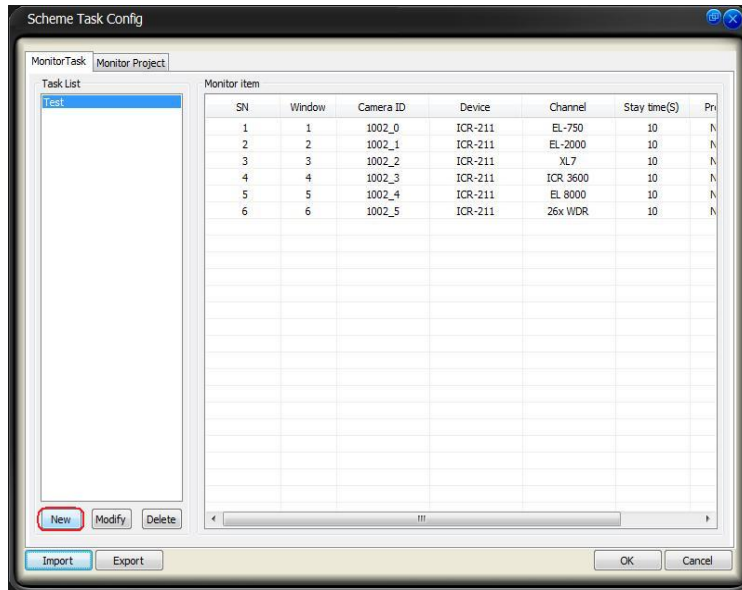


Figure 5-2

Step 2: On the 'Scheme Task Config' page, click the button that says 'New' at the bottom left. You should see the following interface, as in Figure 5-3. Fill out 'Task name' field, and choose an option from 'Window Count' (desired # of split screens). Once you are finished, click 'OK' at the bottom right.

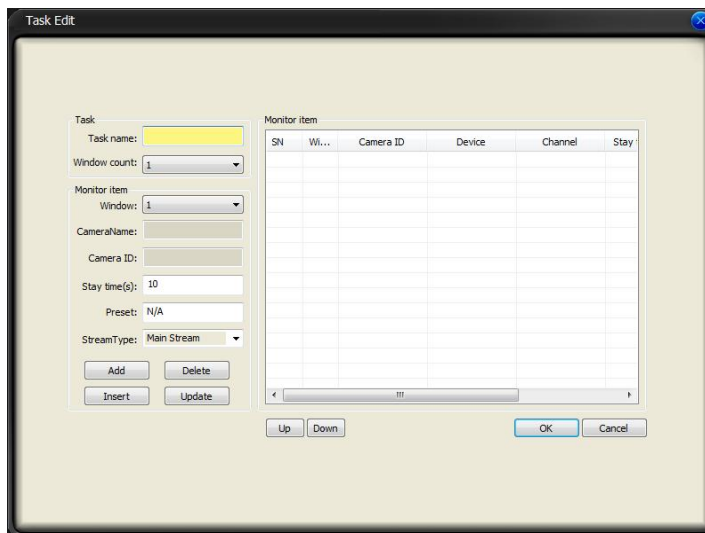


Figure 5-3

Step 3: At this point, you can begin to arrange your cameras as you wish them to display in your actual Task. Once arranged accordingly, right click the top left video window and choose 'Add all windows to task → **Task**', where Task will actually say your Task name from step 2. See Figure 5-4.

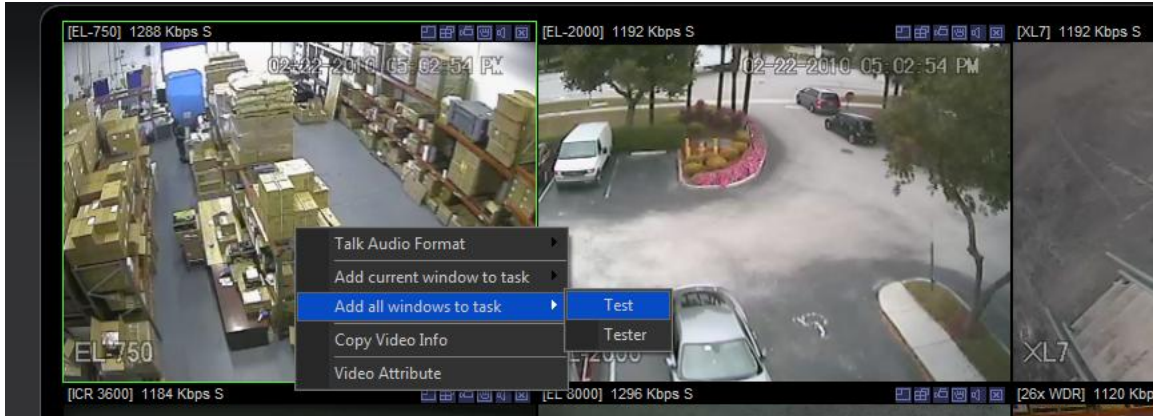


Figure 5-4. This image shows us adding video streams to a Task named 'Test'

Step 4: At this step, you've successfully made your task! If you would like to start/stop your task, you can now select it from the 'Task' submenu at the bottom left. See Figure 5-5.



Figure 5-5

6) E-Map

This section will guide you through creating an E-Map. An E-map is a logical representation of where your cameras are *physically* located.

Step 1: Once logged into the software, from the control panel on the right click on '**Setting Manage**', and then choose '**Emap Config**'. You should see an interface as in 6-2.

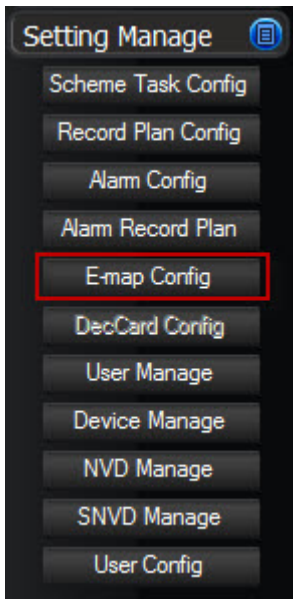


Figure 6-1

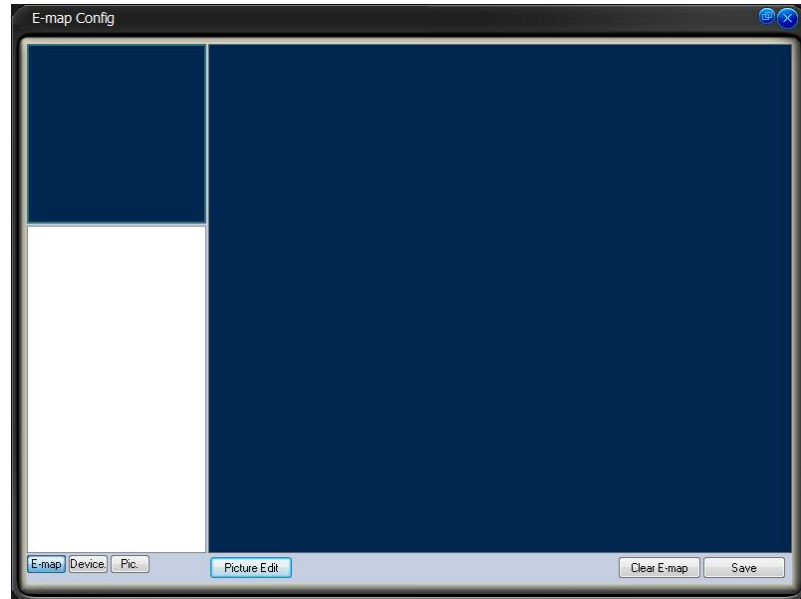


Figure 6-2.

Step 2: We will need to load a picture file (.jpg, .jpeg supported) as our first step of building the E-map. On the 'E-map Config' page, click the button that says '**Picture Edit**'. You will get an interface as in figure 6-3. Click '**Browse**' to navigate to a picture file (again, .jpg or .jpeg supported), and then click '**Open**'. Lastly, give the image a name in the '**Picture Name**' field, and hit '**OK**'. Hit '**OK**' on the last '**Background Picture Manager**' page.

Step 3: We can now load the image file to our E-map canvas. Click the button at the bottom that says '**Pic**' to switch over to the image pane. From here, left click and drag your image file from the left window to the empty canvas on the right. We can now add devices from the '**Device**' tab in the same manner – click '**device**' to switch to the device pane. From here, you can left click and drag your camera icons from the left window to the image on the right side. See figure 6-3. Once satisfied, hit '**Save**'.

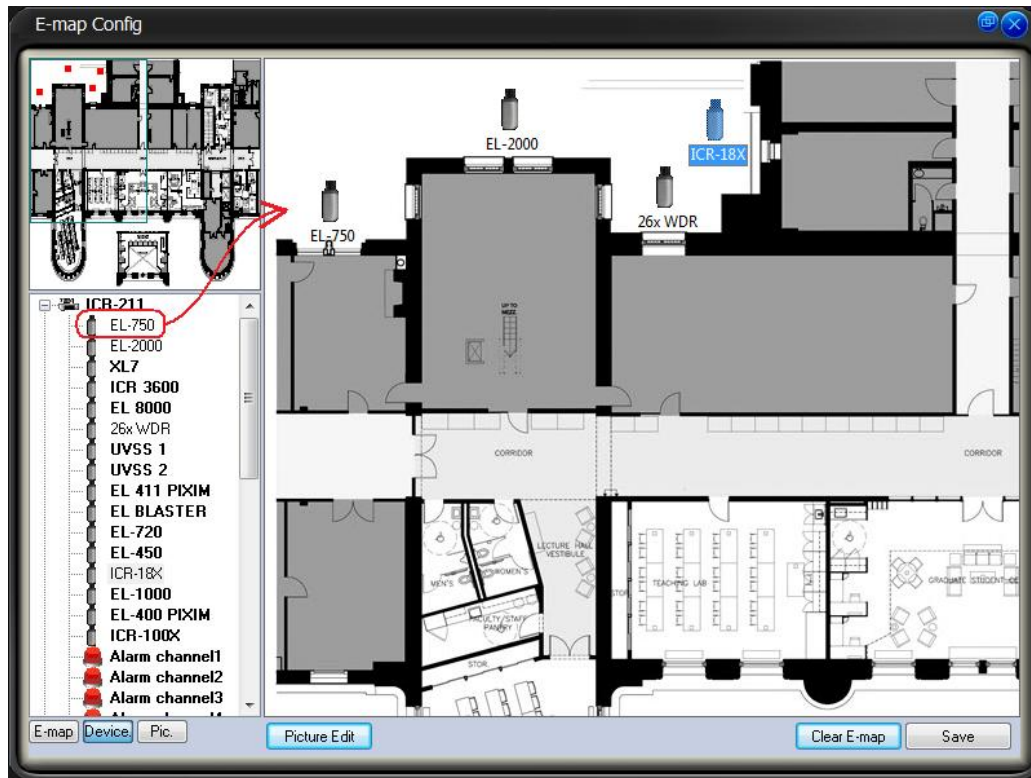


Figure 6-3. Left click and drag cameras to add them to the map.

Step 4: If you wish to change the orientation of your camera icon, you can double-click the camera widget on screen, where you will get a directional menu. See figure 6-4.

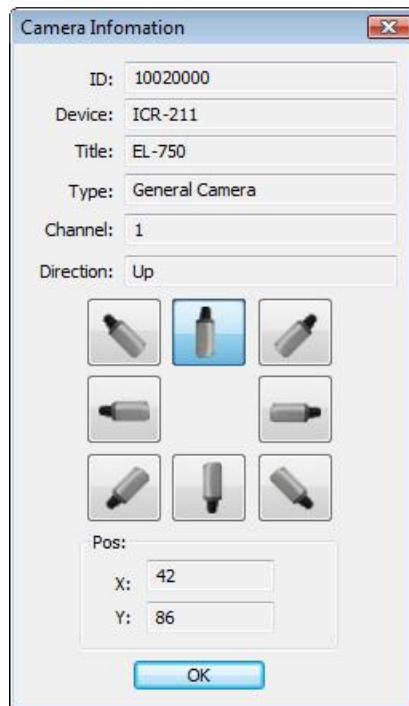


Figure 6-4

Step 5: At this point, you're done creating your E-map! To access it, you can click on the button at the bottom left that says 'E-Map', and then you can double click your camera locations to connect to the video! See Figure 6-5 for a completed E-map.

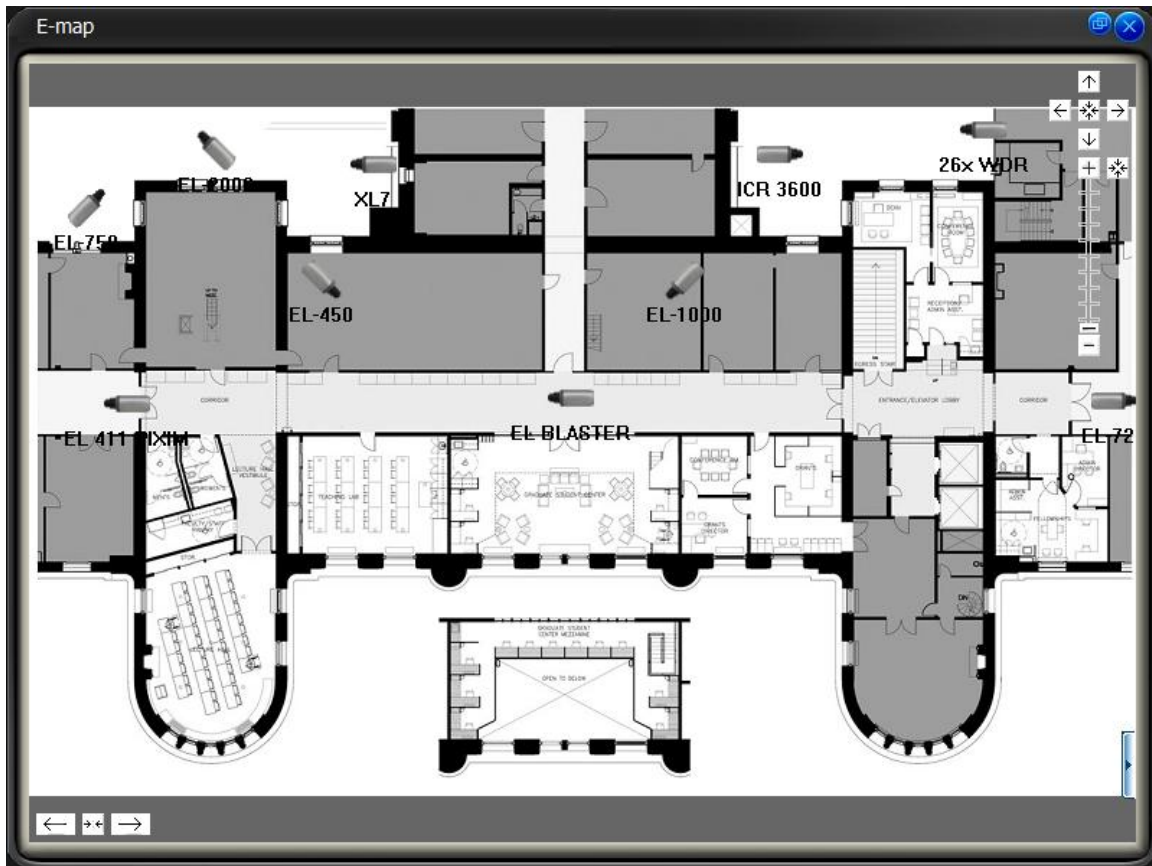


Figure 6-5

7) Software Config

Chapter 7 will discuss the software level configuration options from the '**Config**' option. This menu contains useful options such as changing save directories, auto resume last layout, and even an auto start task function.

Step 1: Once logged into the software, click on '**Config**' at the bottom, and then click on '**Option**'. See Figure 7-1. You should see the interface as in Figure 7-2.



Figure 7-1

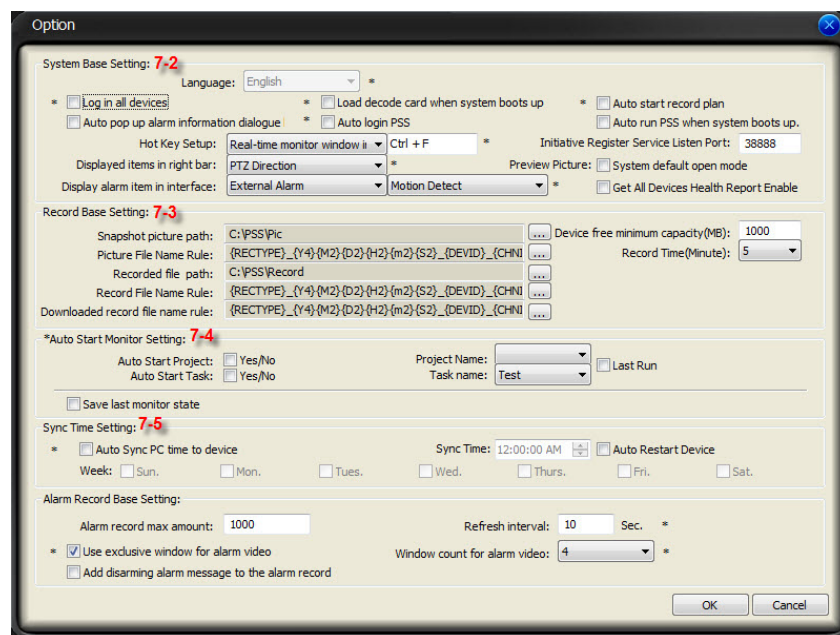
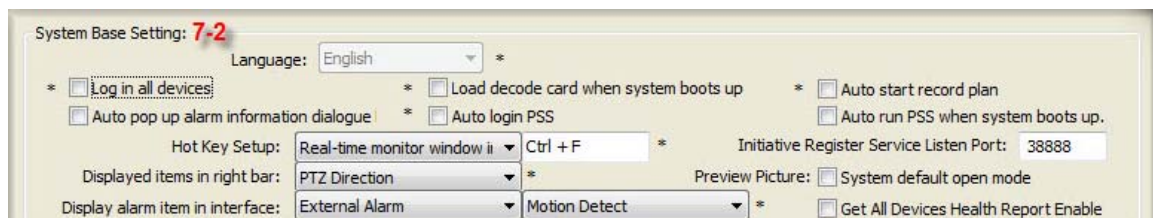


Figure 7-2

Step 2: Since there are a great deal of options on this page, we will break the menu down into smaller segments. The first section is **System Base Setting**:



- **Log in all devices:** This option will make the PSS application login to any device that is stored in the device list.
- **Load decode...** : This option will load any network decoder or decoder card information when the system starts.

- *Auto Start Rec...*: This automatically starts the local recording plan (setup in the Record Plan Config section)
- *Auto pop Alarm...*: This will bring up the Alarm text dialogue box when you start the application.
- *Auto login PSS* : This will remove the initial login prompt when you first launch the application.
- *Auto Run PSS...* : This will launch the PSS application when Windows starts up.
- *Hot Key Setup* : This allows you to make keyboard shortcuts for different software functions.

Step 3: This second section is **Record Base Setting**.

Record Base Setting: **7-3**

Snapshot picture path: C:\PSS\Pic

Picture File Name Rule: {RECTYPE}_{Y4}{M2}{D2}{H2}{m2}{S2}_{DEVID}_{CHNI}

Recorded file path: C:\PSS\Record

Record File Name Rule: {RECTYPE}_{Y4}{M2}{D2}{H2}{m2}{S2}_{DEVID}_{CHNI}

Downloaded record file name rule: {RECTYPE}_{Y4}{M2}{D2}{H2}{m2}{S2}_{DEVID}_{CHNI}

Device free minimum capacity(MB): 1000

Record Time(Minute): 5

- *Snapshot Picture* : This allows you to specify where Snapshot files are saved.
- *Picture File Name*: This allows you to specify how the snapshot file is named by default with the date/time stamp.
- *Recorded File* : This allows you to specify where real time recorded files are saved.
- *Record File Name*: This allows you to specify how the real time recorded file is named by default with the date/time stamp
- *Download Rec...* : This allows you to specify how a playback file is named when downloaded, by default with the date/time stamp.

Step 4: This third section is **Auto Start Monitor Setting**

*Auto Start Monitor Setting: **7-4**

Auto Start Project: ☐ Yes/No

Auto Start Task: ☐ Yes/No

Project Name: [Dropdown]

Task name: [Dropdown]

☐ Last Run

☐ Save last monitor state

- *Auto Start Project* : This allows you to specify a monitor project to run when the application launches. Once checked off, the corresponding project is selected from the pull-down menu on the right.
- *Auto Start Task* : This allows you to specify a monitor task to run when the application launches. Once checked off, the corresponding project is selected from the pull-down menu on the right.
- *Save Last Monitor* : This will remember the window layout, as well as what cameras were connected when you close the application. When you restart the program, they will resume from that memorized layout.

Step 5: This fourth section is **Sync Time Setting**

Sync Time Setting: **7-5**

* ☐ Auto Sync PC time to device

Sync Time: 12:00:00 AM

☐ Auto Restart Device

Week: ☐ Sun. ☐ Mon. ☐ Tues. ☐ Wed. ☐ Thurs. ☐ Fri. ☐ Sat.

- *Auto Sync PC ...* : If enabled, this will synchronize your DVR system time with your current PC system time. Select the weekdays and sync times from the right side.

Step 6: This fifth section is **Alarm Record Base Setting**

Alarm Record Base Setting:

Alarm record max amount: 1000

Refresh interval: 10 Sec. *

* ☒ Use exclusive window for alarm video

Window count for alarm video: 4 *

☐ Add disarming alarm message to the alarm record

OK Cancel

- *Alarm record...: Specify the total number of files to be saved..*
- *Refresh Int... : Specify how often the software refreshes the alarm recordings.*

8) Recording Plan Setup

A recording plan is a scheduled download of continuous, motion, or alarm based video, directly to your PC! This is extremely useful to automate an archive process, and also ensure that you have a redundant copy of your recordings in the event of theft or disaster.

Step 1: Once logged into the software, from the control panel on the right click on '**Setting Manage**'. If you are creating a continuous record plan, click on '**Record Plan Config**', and proceed to step 2. You will see an interface as in 8-1. If you are creating either a motion or alarm record plan, click on '**Alarm Record Plan**', and proceed to step 4. You will see an interface as in 8-4.

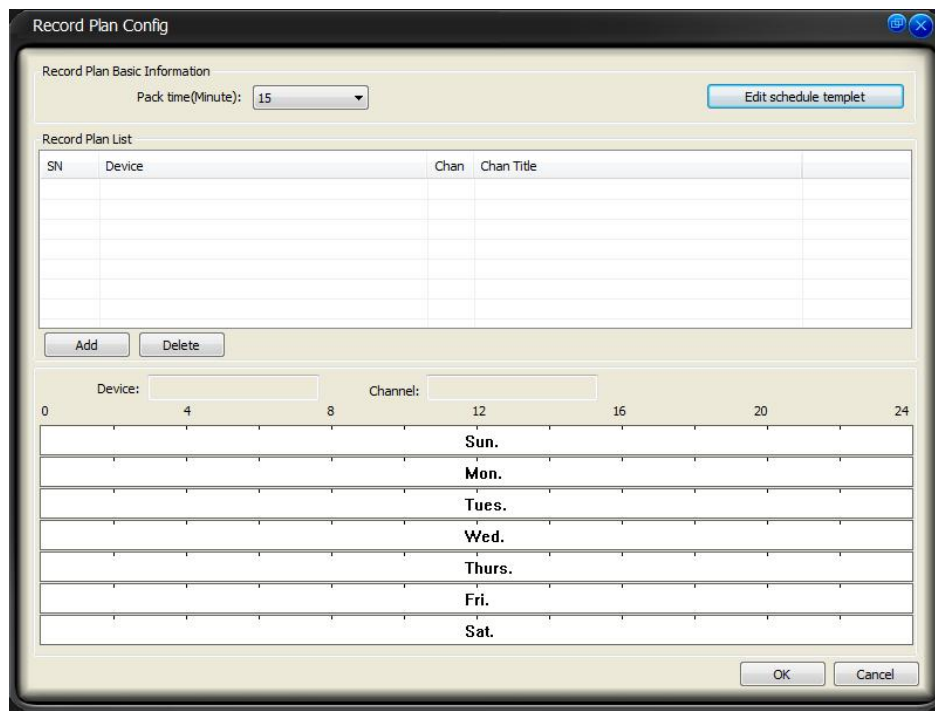


Figure 8-1

Step 2: If this is your first recording plan, you should have a blank schedule similar to figure 8-1. To create a new one, click the '**Add**' button. See Figure 8-2.

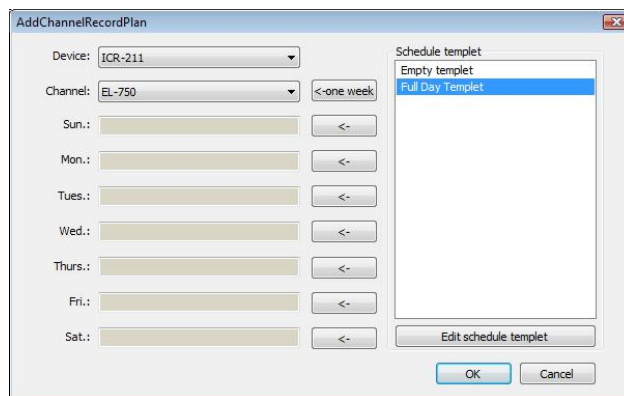


Figure 8-2

Step 3: From the **'Device'** pull down menu, choose your DVR/IP Camera. From the **'Channel'** pull down, select the camera from the corresponding device. If you wish to add a '24/7' schedule, you can highlight **'Full Day Template'** on the right, and then click the **'One Week'** button, to copy that template for all weekdays. If you want to create your own schedule template, click the **'Edit Schedule Template'** button at the bottom right. Once you have completed your templates, clicking **'OK'** at the bottom right. Your template should look similar to Figure 8-3. Back on **'Record Plan Config'**, you can adjust your file intervals by changing the **'Pack Time'** setting. For instructions on starting the plan, skip to step 6.

The screenshot shows the 'Record Plan Config' window. At the top, there's a 'Record Plan Basic Information' section with a 'Pack time(Minute):' dropdown menu set to 15. Below this is a table titled 'Record Plan List' with columns for SN, Device, Chan, and Chan Title. The table contains one entry: SN 001, Device ICR-211, Chan 002, Chan Title EL-2000. Below the table are 'Add' and 'Delete' buttons. At the bottom, there's a section for 'Device: ICR-211' and 'Channel: EL-2000'. Below this is a weekly schedule grid with columns for days of the week (Sun., Mon., Tues., Wed., Thurs., Fri., Sat.) and rows for hours (0, 4, 8, 12, 16, 20, 24). The grid is currently empty. At the bottom right are 'OK' and 'Cancel' buttons.

SN	Device	Chan	Chan Title
001	ICR-211	002	EL-2000

Figure 8-3

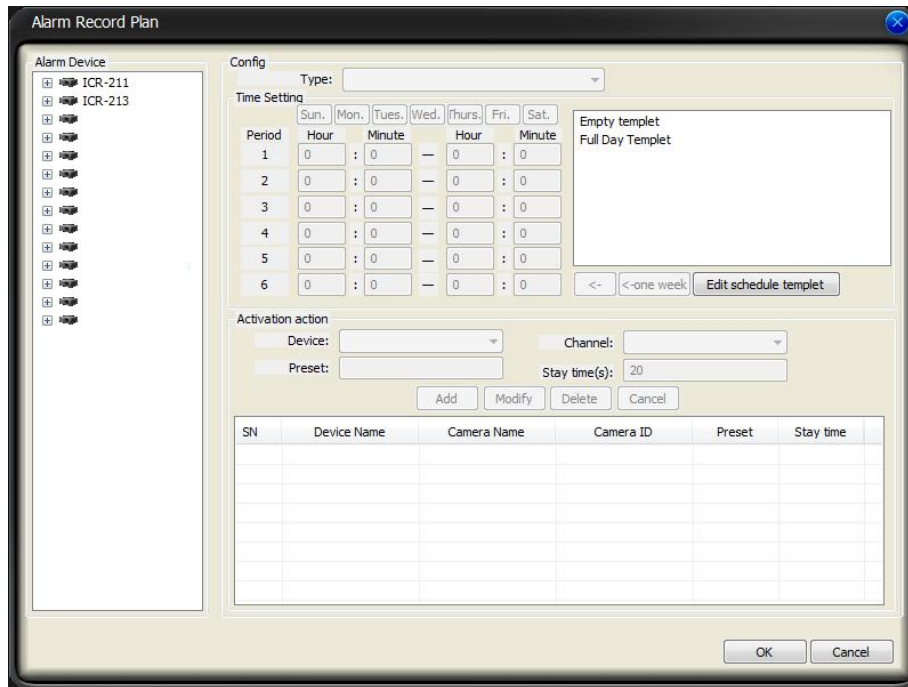


Figure 8-4

Step 4: If this is your first alarm recording plan, you should have a blank schedule similar to figure 8-4. To create a new one, expand your device by hitting the + near the DVR in your **'Alarm Device'** menu. If you are setting this plan up for motion, select one of the cameras from the list, and choose **'Motion Detect'** from the **'Type'** pull down menu. If you are setting this plan up for an alarm trigger, select one of the alarm channels from the list. See Figure 8-5.

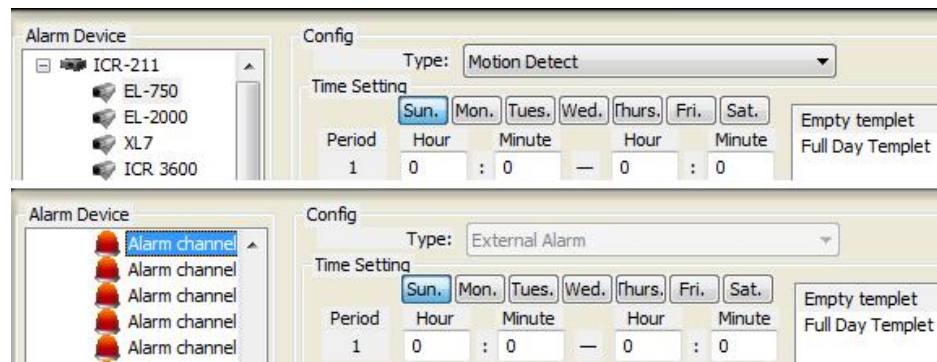


Figure 8-5 A comparison of Motion versus Alarm recording schedules.

Step 5: If you wish to add a '24/7' schedule, you can highlight **'Full Day Template'** on the right, and then click the **'One Week'** button, to copy that template for all weekdays. If you want to create your own schedule template, click the **'Edit Schedule Template'** button at the bottom right. Lastly, select a Device and Channel from the **Activation Action** menu. Click **'Add'**. Repeat this step as necessary for any additional cameras, and then click **'OK'** to save your changes. We are now ready to start the recording plan!

Step 6: To enable the record plan, you can select it from the '**Tools**' tab, which is on the control panel at the right. On '**Tools**', select '**Begin Record Plan**' to start recording to your PC (default directory is C:\PSS\record). See Figure 8-6.

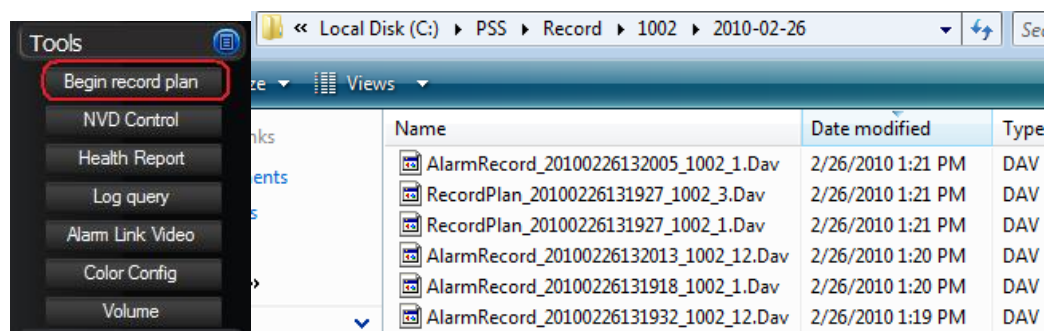


Figure 8-6.

9) Adding Software User Accounts, Changing the Admin Password

This chapter will go into detail on adding new user accounts to the PSS software, in addition to changing the main administrator password of the software.

Step 1: If you simply want to change the Admin password, please skip to step 4. Once logged into the software, from the control panel on the right click on '**Setting Manage**'. Next, click on '**User Manage**'. You will see the following interface as in Figure 9-1.

ID	Name	Sex	Info	SystemDir

User Information

ID: Password: Confirm password:

Name:

Sex:

Information:

System Dir:

Right:

☐ Device Manage	☐ System Config	☐ Record Plan Config
☐ Device config	☐ E-map Config	☐ Scheme Task Config
☐ DecCard Config	☐ PTZ Command	☐ NVD
☐ SNVD		

☒ Clear user's data when delete user

Figure 9-1

Step 2: To create a new user, click on the '**Add**' button. The fields will then become active. Fill out the following:

<i>ID:</i>	<i>The actual User Name of the Account</i>
<i>Password:</i>	<i>The actual Password for said User Name</i>
<i>Confirm Password:</i>	<i>Reenter your desired password for accuracy</i>
<i>Sex (Optional):</i>	<i>Gender of the User</i>
<i>Information (Optional):</i>	<i>A detailed memo regarding the user.</i>
<i>Right:</i>	<i>Each of these boxes assigns a software permission.</i>

Step 3: Once these are all filled out, click '**Save**' to add the user. Now that the User has been added, you can add devices specifically for that User to connect to from the '**Devices**' menu. For more information on adding devices, please refer to '**Initial Setup – Adding a Connection**'

Step 4: If you'd like to change the password on the main software account 'admin', click '**Config**', and then '**Modify Password**'. You should see an interface as in 9-2.

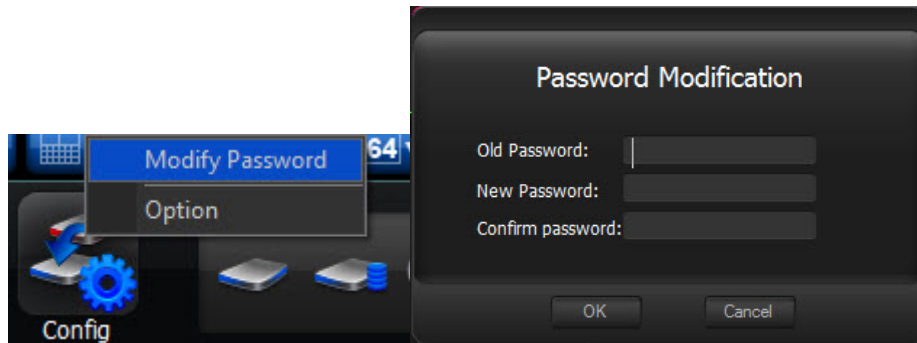


Figure 9-2. Changing the 'admin' password for PSS.

Step 5: Type in the old password (admin, by default) in the '**Old Password**' field. Type in your desired password in the '**New Password**' field, and again in the '**Confirm Password**' field. Hit '**OK**' to save the new password.

For further information or troubleshooting assistance on this software or any of our products, please visit <http://icrealtime.com/support>