

Intelli–Site Security Management Software

Radionics Panel Guide

For Windows 7 Professional and Ultimate, Windows 8.1 Pro and Enterprise, Windows 10 Pro and Enterprise, Server 2008 R2, and Server 2012 R2

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When calling, please be at the computer prepared to provide the following information:

- Product version number, found by selecting the **OAbout** button from the Intelli–Site Application Menu.
- The type of computer being used including, operating system, processor type, speed, amount of memory, type of display, etc.
- Exact wording of any messages that appear on the screen.
- What was occurring when the problem was detected?
- What steps have been taken to reproduce the problem?
- It is highly recommended that the user generate a support package for transmission to Intelli–Site technical support staff. To generate the package, run the Intelli–Site Configuration Utility. *Create Support Package...* is the last option in the **Tools** menu.

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1 Introduction

The Intelli–Site Radionics panel integration was written using Radionics D6600 Computer Interface Manual. The D6600 is a compact design Communications Receiver/Gateway that incorporates Digital Signal Processing (DSP) techniques to receive and analyze different communication data formats. With the capability to receive multiple formats from multiple communication paths, the D6600 provides the flexibility to handle almost any of your security communication requirements.

This guide explains using the Radionics with Intelli–Site Security Management Software.

2 Installation Guide

The Radionics drivers in Intelli–Site must be installed. No external software is needed.

If Intelli–Site has been installed without the Radionics drivers, run the Intelli–Site installer again and select **Modify**.

During the installation or modify installation process, you are presented with the **Select the drivers you want to install** window.

Intelli-Site - InstallShield Wizard	×
Select the drivers you want to install.	
Select the drivers you want to install, and deselect the drivers you do not want to inst	tall.
MAC Driver Mercury Driver Milestone Driver PCSC Driver PCSC T Driver Driver Radionics Driver Senstar Driver Stentofon Driver	
InstallShield	r All
< <u>B</u> ack <u>N</u> ext > C	ancel

Figure 1 - Select the drivers you want to install

Ensure the **Radionics Driver** option is checked then continue with the installation or modification.

Note: It may be necessary to scroll down to locate the desired driver.

3 Hardware Management View

The Radionics Driver and Radionics panel are best configured in **Bardware Management View**.

3.1 Setup

The Radionics Driver and Radionics panel are best configured in **Hardware Management View**. Before we begin though, it is a good idea to have the IP address of the network adapter as well as the panel addresses of each of the panels to which it communicates written down.

Once the above information is obtained, the setup process is straight forward.

- 1. Add a Radionics Driver
- 2. Add a Communication Method to the driver
- 3. Add a Radionics Panel
- 4. Configure the Radionics Panel
- 5. Enable the Radionics Driver

3.1.1 Add a Radionics Driver

Adding a Radionics Driver is simple, but important. Without it, no communication with the Radionics panels can occur.

Launch the Desktop Client and login.

Hardware is managed in the **Hardware Management View**. If you are not in **Hardware Management View** (Figure 2), click on Menu and select .

			Ra	ndio	nics	Panel	Guid	e				
elli-Site -	Software Gi	ants, LLC									_	σ
lite: C	Corporate	Headquarters	×	Area:	Area		~	Add Driver	Reports View	,		
						~~~~~~	~~~~~	~~~~~				
Ack	Ack All	Alarm Description			Stat	us	Priority	Date	Time	Count	Card No.	Acked
Ack	Ack All	Alarm Description			Stat	us	Priority	Date	Time	Count	Card No.	Acked I
Ack Jear	Ack All Clear All	Alarm Description			Stat	US	Priority	Date	Time	Count	Card No.	Acked
Ack Jear	Ack All Clear All	Alarm Description			Stat	us	Priority	Date	Time	Count	Card No.	Acked I

Figure 2 - Hardware Management View

To add the Radionics driver, click **Add Driver**. The **Choose Driver Type** dialog displays.

🔅 Choose Driver Ty	pe	×
Note: A driver is not s in all areas until a pan display only in the are	pecific to an area, panel el has been added to it. a to which its panels be	s are. It will appear The driver will then long.
Driver Type:	Radionics	~
	ОК	Cancel

Figure 3 - Choose Driver Type Dialog

Select *Radionics* from the **Driver Type** drop-down menu in the **Choose Driver Type** dialog. Click OK. A new Radionics driver icon is added to the screen and its properties dialog opens.

Note: If only one driver is installed, the Choose Driver Type dialog does not display. The driver is automatically added and the properties dialog is opened.

놉 [1065] New Radionics Driver	×
Properties	
Name: New Radionics Driver	ID: 1065 🜲
User Level: All Access	~
Notes:	
Enabled:	Disable Set Time/Date:
Default Retry Start Delay: 🗹 Retry Start Delay: 15 🜩	Retries: 3 • Timeout: 1000 • Interval: 250 •
Exchange List:	Computer List: [4] LATWin10
	OK Cancel

Figure 4 - Radionics Driver Properties Dialog

Please change the name of the driver to reflect the use and/or location of the panels that this driver will manage.



Notice the warning icon, 4. This appears when the driver requires a communication method and one does not exist yet. So, let's add one.

#### 3.1.2 Add a Communications Method

Each Radionics driver must have a communication method defined and configured. Without one, the Intelli-Site Driver Service does not know where or how to communicate with the panel.

The communication method is added using the right-click context menu on the driver. Right-click on the driver icon and hover over *Comm Method*. The side menu opens. There is only one option currently, *Add Comm Method*. Select it. The **Choose Communication Method Type** dialog appears.

Choose Communication M	ethod Type	×
Communication Method Type:	TCP/IP	~
	ОК	Cancel

Figure 6 - The Choose Communication Method Type dialog

There are three (3) possible communication methods for any single Radionics device:

- TCP/IP the Driver will connect directly to the panel using TCP/IP
- Rs232 the Driver will connect to the panel using a COM port
- TCP/IP Listener the panel will connect to the Driver using TCP/IP

For this example, we will select *TCP/IP* then click OK. A new TCP/IP communication method node is added to the driver and its properties dialog opens.

Radionics	Panel	Guide
-----------	-------	-------

<table-of-contents> [1066] New 1</table-of-contents>	TCP/IP Comm Method	×
Properties		
Name:	New TCP/IP Comm Method ID: 1066	*
User Level:	All Access ~	
Notes:		
Address:		
Port:	9800	
TCP:	$\Sigma$	
	OK Cano	el

Figure 7 - The TCP/IP Communication Method properties dialog

Note: For a full explanation of all the fields on this dialog and each of the communication methods, please read <u>Communication Method Node</u>.

Enter the IP address of the network interface in the **Address** field. The **Port** number field contains the default port number for the network interface. If for some reason, the network interface of the Radionics panel is set up to use a different port, enter that port number. Please change the name and click **OK**.



Figure 8 - The driver icon with a communication method

Notice the warning icon is no longer present.

It's now time to add a panel to the driver.

#### 3.1.3 Add a Radionics Panel

Once a Radionics driver has been added, it's time to add a Radionics panel to it.

Right-click on the Radionics Driver and select *Add Panel*. The **Add Panel** dialog displays.

Add Panel		
Radionics D6600		
# to Add: 1 🗢	OK Cancel	

Figure 9 - Add Panel Dialog

This dialog only displays the panels that are appropriate for the target driver. The Radionics panel is manufactured by Bosch. Expand Bosch then select the Radionics panel. Change the value of **# to Add** to the number of panels this driver will control. Additional panels can be added later. Click OK. A **New Radionics** icon is added to the target Radionics driver.

The Office Radionics Driver	New Radionics D6600 Panel

Figure 10 - A new Radionics panel attached to a Radionics driver

Next comes configuring the panel.

#### 3.1.4 Configure the Radionics Panel

The Radionics panel is configured using the **Quick Config** dialog. To open the **Quick Config** dialog, right-click on the Radionics icon and select *Quick Config*.

Panel Name: New Radionics D6600 Panel Virtual:
Name Address

Figure 11 – Radionics Panel Quick Config Dialog

Change the **Panel Name** to describe its use or location. In our example, it is the control panel for The Office.

Click the Add Account button. This opens the **Radionics Account Information** dialog which allows you to define the **Account Type**, the account **Name**, and the **Account Number**.

<table-of-contents> PropertiesForm</table-of-contents>	×
Radionics Account	Information
Account Type:	Common Formats 🗸 🗸
Name: Account Number:	New Account
	OK Cancel

Figure 12 - Add Account dialog

Click on the **Account Type** drop-down menu and select the desired account type.

anel Name:	New Radionics D6600 Panel	Virtual:	Address
	PropertiesFor	m X	
	Radionics Accou	unt Information	
	Account Typ Nam Account Numbe	e: Common Formats Common Formats Acron Super Fast e: Ademoc Contact-ID Ademoc 4-1 Express f: Ademoc 4-2 Express Ademoc High Speed 4-8-1, Scanc CFSK	
Add Add	Multiple Delete Add Account E	DSC 4-3 FBI Super Fast ITI Robofon Scancom 4-16-1, 5-16-1, 6-16-1 Scancom 4-24-1, 5-24-1, 6-24-1 Serice FSK Sercoa Super Speed Varitech FSK 4-2 Varitech FSK 4-2	OK Cancel

Figure 13 – Available Account Types

Give the account an appropriate **Name** the correct **Account Number**. Then click  $\bigcirc \mathsf{K}$ . The new account appears in the Tree on the left. If appropriate, additional information about the account will appear in the table on the right. At this point, the rest of the account configuration is left as an exercise for the integrator.

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When all the accounts have been added, click the button to save the accounts and close the **Quick Config** dialog.

#### 3.1.5 Enable the Radionics Driver

At this point, the Radionics panel and the Radionics driver are configured, but the driver is not online. A quick way to know this is that the communication indicator is grey.



Figure 14 – Disabled Radionics Driver

Right-click on the driver to open the context menu; select *Enable Driver*. The communications indicator will change color to green when it's online.



Figure 15 - Enabled Radionics Driver

If for some reason the Engine cannot connect to the Driver Service or the Driver cannot connect to the Radionics, the communication indicator will be red.



Figure 16 - Enabled Radionics Driver that is not communicating with the Driver Service



Figure 17 - Enabled Radionics Driver that is communicating with the Driver Service but NOT the panel

Congratulations! The Radionics is integrated and ready to use in screen design for **Live View**. Screen design occurs in **Design View**.

#### 3.2 Panel Control Screen

Every Radionics panel has a **Panel Control Screen**. From this screen, the user can monitor the current state of the panel. Clicking on the panel icon in **Hardware Management View** opens the **Panel Control Screen** of the target panel. The content of the screen is dictated by the panel.



Figure 18 - Sample Radionics Panel Control Screen

Because there are no I/O Points associated with a Radionics panel when it is added to the Project, there are no points on this screen other than the Online Panel Status and the Virtual Panel Status.

You might consider adding controls to this screen once the panel has been fully configured. The panel control screen can be edited in **Design View**. The panel control screen node is a popup screen.

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Figure 19 - Radionics Panel Control Screen in the Tree

## **4 Design View**

Design View is the home of the Project Node Tree and the place where screens and screen objects are programmed. The following sections explain the Radionics Driver node properties, communication methods properties, the Radionics node properties, and screen object programming especially the automatically created screen objects.

## 4.1 Radionics Driver Node

The Radionics driver node is found by expanding **Setup->Computer Setup->Drivers**.



Figure 20 - Radionics Driver node in the Project Node Tree

Right-click on the driver node and select *Properties* to open the properties dialog.

造 [1065] The Office Radionics Driver	×
Properties	
Name: The Office Radionics Drive	er ID: 1065
User Level: All Access	$\sim$
Notes:	
Enabled:	Disable Set Time/Date: 🗌
Default Retry Start Delay: 🗹 Retry Start Delay: 15 🗼	Receiver: 01 Send Queue Retries: 3 • Timeout: 1000 • Interval: 250 •
Exchange List: [1067] 75005 Radionics D6600 Panel	Computer List: [4] LATWin10
	OK Cancel

Figure 21 - Radionics Driver properties dialog

**Name** – edit box; the name for the node; the name doesn't have to be unique

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

**User Level** – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

**Notes –** multiline edit box; any notes the user may have for the node

**Enabled** – check box; when checked the driver is enabled

**Disable Set Time/Date** – check box; when checked, the Driver will not set the receiver's Time/Date

Receiver - numeric; the address of the Radionics Receiver

**Default Retry Start Delay** – check box (default: checked); if the driver did not connect, pause before attempting to connect again

**Retry Start Delay** – numeric (default: 15); number of seconds to wait between retries on connection attempts

**Retries** – numeric (default: 3); number of retries for sending a packet

**Timeout** – numeric (default: 1000); number of milliseconds to wait for a response before assuming the packet was not received

**Interval** – numeric (default: 25); number of milliseconds to wait after a timeout before sending the packet again

Panel List- drop box; the Radionics nodes attached to this driver

**Computer List** – drop box (default: the computer on which the Engine is running); the computer node on which this driver is running

#### 4.2 Communication Method Node

The communication method node is a child of the driver.



Figure 22 - Communication Method node in the Project Node Tree

There are three different possible communication types for the Radionics driver.

- TCP/IP
- Rs232
- TCP/IP Listener

#### 4.2.1 TCP/IP Communication Method Node

Right-click on the node and select *Properties* to open the properties dialog.

🔹 [1066] The T	CP/IP Comm Method		×
Properties			
Name:	The TCP/IP Comm Method	ID:	1066 🔹
User Level:	All Access 🗸		
Notes:			
Address:	localhost		
Port:	9800 🜩		
TCP:			
		ОК	Cancel

Figure 23 – TCP/IP Communication Method node properties dialog

**Name** – edit box; the name for the node; the name doesn't have to be unique

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

**User Level** – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

**Notes –** multiline edit box; any notes the user may have for the node

Address – edit box; the IP address of the panel

**Port** – numeric (default: 9800); the TCP or UDP port number

**TCP-** checkbox (default: checked); when checked, the driver will communicate with the panel using TCP; when not checked, the driver assumes UDP is the desired communication protocol

#### 4.2.2 Rs232 Communication Method Node

Right-click on the node and select *Properties* to open the properties dialog.

🔹 [1145] New F	s232 Comm	Method				×
Properties						
Name:	New Rs232 (	Comm Meth	nod		ID: 1145	*
User Level:	All Access			$\sim$		
Notes:						
Port:	COM1 ~	Parity:	None ~	Handshake:	None N	r
Baud:	9600 ~	Data Bits:	8 ~	Stop Bits:	None	1
				OF	( Ca	ancel

Figure 24 – Rs232 Communication Method node properties dialog

**Name** – edit box; the name for the node; the name doesn't have to be unique

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

**User Level** – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

**Notes** – multiline edit box; any notes the user may have for the node

**Port** – drop-down menu (default: COM1); the COM port

**Parity, Handshake, Baud, Data Bits,** and **Stop Bits –** configuration parameters associated with Rs232 communication; for an explanation of Rs232 see <u>How RS232 Works</u>.

#### 4.2.3 TCP/IP Listener Communication Method Node

Right-click on the node and select *Properties* to open the properties dialog.

🔅 [1146] New T	CP/IP Listener Comm Method	×
Properties		
Name:	New TCP/IP Listener Comm Method	ID: 1146
User Level:	All Access 🗸	
Notes:		
Listening Port:	9800	
TCP:		
	C	OK Cancel

Figure 25 – TCP/IP Listener Communication Method node properties dialog

**Name** – edit box; the name for the node; the name doesn't have to be unique

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

**User Level** – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

**Notes** – multiline edit box; any notes the user may have for the node

**Listening Port** – numeric (default: 9800); the TCP or UDP port number

**TCP-** checkbox (default: checked); when checked, the driver will communicate with the panel using TCP; when not checked, the driver assumes UDP is the desired communication protocol

#### 4.3 Radionics Panel Node

The Radionics panel node is found by expanding **System Layout** then the Site and Area to which the Radionics panel was added in **Hardware Management View**. In the example below, the panel was added to the site **Corporate Headquarters** and the area **Area**.



Figure 26 - The Radionics panel node in the Project Node Tree

The Radionics panel node is the root node for the panel. The following sections will explain:

- The properties of the Radionics panel node
- The configuration of the Radionics panel (a.k.a. **Quick Config**)
- The child nodes of the Radionics panel

#### 4.3.1 Radionics Panel Node Properties

Right-click on the Radionics panel node to open the properties. These fields correspond to those features that aren't part of the day to day running of the system. The rest of the fields are found on the **Quick Config** dialog.

😢 [1067] 75005	Radionics D6600 Panel		>
Properties			
Name:	75005 Radionics D6600 Panel	ID:	1067 🌲
User Level:	All Access	~	
Notes:			
Virtual:	Virtual Point:		
	Apply	OK	Cancel

Figure 27 - Radionics node properties dialog

**Name** – edit box; the name for the node; the name doesn't have to be unique

**ID** – numeric (disabled); the unique identifier of this node; generated by the software

**User Level** – drop-down menu (default: All Access); the User Level a user must possess to open the properties for this node

**Notes** – multiline edit box; any notes the user may have for the node

**Virtual** – check box; when checked the panel is virtualized, allowing the driver to be brought online without having the physical panel available

**Virtual Point** – drop box; this I/O Point will be set when the panel is virtualized, clear when it is not

#### 4.3.2 Radionics Panel Quick Config

The **Quick Config** dialog is accessible either in **Hardware Management View** or in **Design View**. To open the **Quick Config** dialog, right-click on the Radionics panel node and select *Quick Config*.

Configure New Radionics D6600 Panel		×
Panel Name: New Radionics D6600 Panel Virtual:		
Account Tree	Name Addre	]
	ОК	Cancel

Figure 28 - Radionics panel Quick Config dialog

**Panel Name** – edit box; the name of the Radionics panel; updating this field will change the name of the node

**Virtual** – check box; when checked the panel is virtualized, allowing the driver to be brought online without having the physical panel available

Account Tree – tree view; a tree view of the accounts and their properties

**Data Table** – edit table; the data associated with the selected account tree node if any

Add Account - button; click to add a new account to the panel; opens the **Radionics Account Information** dialog

Add - button; disabled when not applicable; add a child to the selected node

Add Multiple - button; disabled when not applicable; add multiple children to the selected node, opens the **How many would you like to add?** dialog

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Delete - button; disabled when not applicable; delete the selected item; a **Confirm Delete** dialog displays

Edit Account - button; disabled when not applicable; edit the selected account

#### 4.3.2.1 Add Account Button

Clicking on Add Account opens the **Radionics Account Information** dialog.

🔹 PropertiesForm	×
Radionics Account	Information
Account Type:	Common Formats V
Name: Account Number:	New Account
	OK Cancel

Figure 29 - Radionics Account Information dialog

Name – edit box; The name for the account

Account Number – numeric; the account number

**Account Type –** drop-down menu (default: *Common Formats*); the type of account to add



Figure 30 - The Account Types

#### 4.3.3 Radionics Panel Child Nodes

The Radionics panel has different child nodes depending on the different account types added to it. When the panel is initially added and before any accounts have been added, it has two (2) child nodes:

- Internal Messages
- Alarms



Figure 31 - The Radionics panel child nodes

Each account added to the Radionics panel will appear in the Tree as a child of the panel node.

#### 4.3.3.1 Internal Messages

There are more than forty (40) **Internal Messages** many of which have child nodes of their own. Each internal message is a special type of I/O Point called a GenProto node.

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	ᠻ [1073] New	Radionio	s D6600 Panel\li	nternal Messag	es\Battery				×
	Properties Op	peration	Alarm Queue	Actions					
	Name:	Battery				ID: 1	073 🗘		
	User Level:	All Ac	cess		$\sim$				
	Notes:								
	Address:	NYM							
	Protocol:								
	Node Type:	ю		$\sim$					
							ОК	Cancel	
L									

Figure 32 - A sample Internal Message properties dialog

Address - edit box; the content of the internal message

**Protocol** – edit box; always blank

**Node Type** – drop-down menu; the type of node; all internal message nodes are IO nodes

As one of these internal messages is received, the point may be pulsed or set on as appropriate for the message. If the internal message has child nodes that are sub-states, the corresponding sub-state will be set on as well. The **Battery** internal message is a good example.



Figure 33 - The Battery internal message and its sub-states

The sub-state nodes are also GenProto nodes.

The **Battery** internal message has four (4) child nodes. When the **Battery** node is in the low state, the **Battery Present** node will be high. When the **Battery** node is high, the corresponding substate will be set as well to explain what specific issue is behind the **Battery** node being high.

#### 4.3.3.2 Alarms

The alarms for the Radionics are located under the **Alarms** node. The only alarm is **Panel Status**.



Figure 34 - Radionics panel Alarms child nodes

The **Panel Status** point is high when the panel is offline (assuming the driver is online and the panel is not virtualized).

#### 4.3.3.3 Account Nodes

When an account is added to the Radionics panel, that account appears as a child node of the panel in the Tree.



Figure 35 - A Radionics panel with Account child nodes

These child nodes are GenProto nodes.

**Commented [LT1]:** Need the properties dialog for the Alarm point or at least an explanation of the type it is. There is a crash opening the context menu.

🛄 [1227] New	Radionics D6600 Panel\Cummings, AJ	×
Properties Op	eration Alarm Queue Actions	
Name:	Cummings, AJ ID: 1227 🗘	
User Level:	All Access $\checkmark$	
Notes:		
Address:	0002	
Protocol:		
Node Type:	General $\checkmark$	
	ОК	Cancel

Figure 36 - Example Account node properties dialog

Address - edit box; the account number

Protocol – edit box; always blank

**Note Type –** drop-down menu; the node type is *General* for Account nodes

Expanding the account node reveals all the nodes associated with the **Account Type** selected when the account was added in the **Quick Config**. Each account type has different nodes. All of an account's child nodes are GenProto nodes as well. And the child nodes are either *General* or *IO* type nodes.

## 4.4 Automatically Created Screen Objects

When a node is dragged and dropped onto a screen, a button screen object is automatically created.



Figure 37 - Example automatically created screen object

If the **Node Type** is *General*, the screen object has only one state. If the **Node Type** is *IO*, the screen object has two (2) states. The first state, State 0, for each type is the same.

	States	
operties	States	
0 Trouble	1 Toubt	>> Inset Add << Delete
State Pro	perties	
Name	Normal	Lock Object
Display	Properties	Label Properties
	Flash To State: None 🗸	Font Shadow
Trouble	Hash To State: None ✓ Hash Rate (ms): 1000 ♀	Font Shadow H. Just.: Center
Image:	Flash To State:     None       Flash Rate (ms):     1000 \$       Stretch:	Font         Shadow           H. Just.:         Center         V           Label Object:         [1196] New Radionics         V. Just.:         Center         V
Image: Rotate	Rash To State:     None       Rash Rate (ms):     1000 +       Stretch:	Font         Shadow           H. Just:         Center           Label Object:         [1196] New Radionical         V. Just:         Center           PopUp X:         0         PopUp Y:         0         PopUp Y:
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 (a)       Stretch:     (deg):       (deg):     (b)       Effects	Font     Shadow       H. Just:     Center ∨       Label Object:     [1196] New Radionics     V. Just:       Center ∨       PopUp X:     0       Hover Text:
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 (a)       Stretch:     (deg.):       Object:     Effects	Font     Shadow       H. Just:     Center       Label Object:     [1196] New Radionical     V. Just:       Center     V       PopUp X:     Image: Text:
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 (ms)       Stretch:     (deg.):       (deg.):     (ms):       Object:     Stretch:	Font     Shadow       H. Just.:     Center       Label Object:     [1196] New Radionica     V. Just.:       Center     V       PopUp X:     PopUp Y:     Image: Center       Hover Text:     Image: Center     Image: Center
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 ⊕       Stretch:	Font       Shadow         H, Just.:       Center         Label Object:       [1196] New Radionics       V. Just.:         PopUp X:       Image: Center       Image: Center         Hover Text:       Image: Center       Image: Center         Target       Image: Center       Image: Center         [1196] New Radionics D6600 Panel-Zone       Image: Center       Image: Center
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 e       Stretch:        (deg.):     0       Object:        Action        Flay	Font       Shadow         H. Just:       Center         Label Object:       [1196] New Radionicsi       V. Just:       Center         PopUp X: <ul> <li>PopUp Y:</li> <li>PopUp Y:</li> <li>PopUp Y:</li> <li>PopUp Y:</li> <li>PopUp X:</li> <li>PopUp Y:</li> <li>PopUp Y:</li> <li>PopUp X:</li> <li>PopUp Y:</li> <li>PopUp Y</li></ul>
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 💬       Stretch:	Font       Shadow         H. Just:       Center         Label Object:       [1196] New Radionics       V. Just:       Center         PopUp X:       0       PopUp Y:       0       •         Hover Text:
Image: Rotate Hover	Flash To State:     None       Flash Flate (ms):     1000 ⊕       Stretch:	Font       Shadow         H. Just:       Center         Label Object:       [1196] New Radionics         V. Just:       Center         PopUp X:       PopUp Y:         Hover Text:       Inset         Target       [602] Cick.wav         [1196] New Radionics D6600 Panel/Zone       Inset         Delete       Inset
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 e       Stretch:        (deg.):        Object:        Action        Flay     SendCommand	Font       Shadow         H. Just:       Center ✓         Label Object:       [1196] New Radionics       V. Just:       Center ✓         PopUp X: <ul> <li>PopUp Y:</li> <li>PopUp Y:</li> <li>PopUp X:</li> <li>PopU</li></ul>
Image: Rotate Hover	Flash To State:     None       Flash Rate (ms):     1000 e       Stretch:        (deg.):     Image: Comparison of the stretch of the st	Font Shadow H. Just: Center ~ Label Object: [1196] New Radionicsi V. Just: Center ~ PopUp X: 0 2 PopUp Y: 0 2 Hover Text: Target [362] Clock wav [1196] New Radionics D6600 Panel Zone Mouse Enter Mouse Leave

Figure 38 - State 0 for all Radionics automatically created screen objects

Notice the **Mouse Down** action grid. Clicking on this button will perform a **SendCommand** with the node used to create this screen object as the target.

Now let's examine State 1.

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Figure 39 - State 1 for IO type Radionics nodes

Notice the evaluation grid in the red rectangle. This state is active when the IO Point is high. Again, the **Mouse Down** action grid executes a **SendCommand** targeting the node used to create this screen object when this button is clicked.

## **Revision History**

YYYY-MM-DD Creation Date