

RollMechanic

Operator's Manual

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Snell Ltd., Southleigh Park House, Eastleigh Road, Havant, Hants, PO9 2PE, United Kingdom.For General Enquiries contact:Tel: +44 (0) 2392 489000Fax: +44 (0)23 9245 1411For Technical assistance contact:Tel: +44 (0) 118 921 4214Fax: +44 (0) 118 921 4268Web:http://www.snellgroup.com/support

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Introduction

RollMechanic enables users to perform bulk operations on medium to large RollCall networks. Performing these operations on a unit by unit basis, using the Control Panel, would require constant user attention. RollMechanic allows multiple unit selection, from a single unit up to the entire network. Once an operation has been initiated, no further user intervention is required until the operation has been completed.

For example, using RollMechanic it is possible to:

- Backup the settings of every unit on the network, in one operation.
- Create an inventory of every unit on the network, in one operation.

This User Instruction Manual will help you through each stage of the setup, configuration and operation of RollMechanic. If you have any questions regarding the use and operation, please refer to the contact details listed at the end of this manual.

Installing RollMechanic

RollMechanic is installed by means of a Windows installation executable.

To install the RollMechanic software:

• Double click on the installer file, and then follow the on-screen instructions.

The default installation location of RollMechanic is:

C:\Program Files\Snell\RollMechanic

RollMechanic requires the Sun Java Runtime Environment version 1.6 (JRE 1.6) or later to be installed.

Changing the Default Home Directory

By default, the RollMechanic uses ... \All Users\.snell\ as its home directory. This home directory contains files required or created by RollMechanic.

Under nearly all circumstances, this location will be accessible to all users on a computer and RollMechanic will function correctly. However, certain organizations may have IT security policies in place that restrict access to the ...\All Users\ directory.

If this is the case, a different home directory can be specified using the CONTROLPANEL_HOME environment variable.

To change the Home Directory:

- 1. Ensure that RollMechanic is not running.
- 2. Click the Windows Start menu and select Control Panel.

3. From the **Control Panel** window, open the **System** properties, click the **Advanced** tab, and then click **Environment Variables**.

Variable	Value
TEMP TMP	C:\Documents and Settings\kevindonnel C:\Documents and Settings\kevindonnel
ystem variables -	New Edit Delete
/stem variables - Variable	Value
variables Variable CLASSPATH ComSpec CONTROLPANEL DEFLOGDIR FP_NO_HOST_C	Value ,C:\Program Files\Java\jre6\lib\ext\QT C:\WINDOWS\system32\cmd.exe C:\TESTING C:\Documents and Settings\All Users\A NO

- 4. In the System variables section, click New.
- 5. In the window that appears, enter CONTROLPANEL_HOME in the **Variable name** field. Then, in the **Variable value** field, enter the location in which you would like the home directory to be created, for example, C:\rollcallhome.

New System Varia	ble 🛛 🛛 🛛 🛛
Variable <u>n</u> ame:	CONTROLPANEL_HOME
Variable <u>v</u> alue:	C:\rollcallhome
	OK Cancel

 Click OK to close the New System Variable window, and then click OK to close the Environment Variables and System Properties windows.

Savesets and Memory

RollCall saves and restores the state of a unit through the use of saveset and memory files.

A saveset is a list of RollCall command numbers. A unit's saveset is defined inside its template. The commands in the saveset are filtered according to the current RollCall user level (as defined in Preferences menu). This is done by referencing the unit's menu set for the corresponding user level.

Memory files are similar to savesets. A memory file is usually a single file that resides on a unit. It contains the current state of the unit, including user memories.

Note:

Not all units support savesets or memory. For units that do not support either, it is not possible to save their state.

The Main Window



The RollMechanic window appears as shown above. The main components of the window are:

- The Main Toolbar.
- The Network List.
- The Main Menu.

Main Toolbar Options

The main toolbar is located in the top-left corner of the RollMechanic window.



The toolbar provides access to the following functions:

- 🗟 Build Network. See page 9.
- 🔣 Comms Window. See page 10
- E Preferences. See page 12.
- 🗹 About. See page 18.
- 🔊 Manual. See page 19.
- Software Releases. See page 20.
- 🔊 Licenses. See page 22.

Build Network

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<u> </u>	Į.
Ch Ch	t.
	1

This option connects RollMechanic to a RollCall Network via IP. The first time it is run, the IP address will be blank.

Build Network X
The ip address can be one of two formats: ipAddress or ipAddress@port If no port is specified, the default port (2050) is used.
Note that rebuilding the network will close all current control connections.
IP Address: 123.456.78.91
OK Cancel

IP addresses can be entered in dot-decimal notation or as a DNS entry. The default port number is 2050, which is the default port number of the IQ modular chassis. A different port number may be specified by appending the port number to the IP address, separated by '@'.

Alternatively, an IP address can be selected from the drop down list. The drop down list is populated with all the IP addresses to which successful connections have been made.

The build network operation is confirmed by pressing OK .

Comms Window



The Comms Window monitors RollCall packets (messages) transmitted from, and received by, RollMechanic. It is used to help diagnose communication problems in a particular RollCall network.

Comms Win	dow							- 🗆 ×
Tx 🗹 Rx	Packet	Filters Address	s Filters	Copy All	Clear	Alway:	s on Top	
10:34:58.744	> TXIP:	0000-00-00:02 ⇒	0000-08-00:19	Type:28	KeepAlive	Flags:None	Data:	^
10:34:58.744	> TXIP:	0000-00-00:03 ⇒	0000-09-00:02	Type:28	KeepAlive	Flags:None	Data:	
10:34:58.744	> TXIP:	0000-00-00:05 =>	0000-84-00:02	Type:28	KeepAlive	Flags:None	Data:	
10:34:58.744	> TXTP:	0000-00-00:01 =>	0000-11-00:10	Type:28	KeenAlive	Flags:None	Data:	
10:34:58.760	> RXIP:	0000-08-00:19 =>	0000-00-00:02	Type:1	Ack	Flags:None	Data:	
10:34:58.775	> RXIP:	0000-09-00:02 =>	0000-00-00:03	Type:1	Ack	Flags:None	Data:	
10:34:58.775	> R×IP:	0000-11-00:11 ⇒	0000-00-00:04	Type:1	Ack	Flags:None	Data:	
10:34:58.775	> R×IP:	0000-84-00:02 ⇒	0000-00-00:05	Type:1	ACK	Flags:None	Data:	
10:34:58.791	> R×IP:	0000-11-00:10 =>	0000-00-00:01	Type:1	Ack	Flags:None	Data:	
10:35:00.072	> TXIP:	0000-00-00:FF =>	0000-00-00:FF	Type:33	Iam	Flags:None	Data:(Ver=3.	Add=0000/00/00/d
10:35:08.039	> R×IP:	0000-11-00:11 =>	0000-00-00:04	Type:20	RetDevInfo	Flags:B	Data:(Ver=3.	Add=0000/11/8D/F
10:35:08.039	> TXIP:	0000-00-00:04 =>	0000-11-00:11	Type:1	Ack	Flags:B	Data:	\sim
<()	h ana		<i></i>)>
1	2	3	4	5	6	7	8	

Referring to the numbers 1 to 8 shown in the diagram above, the function of each field is listed below:

- Field 1 Timestamp: When the packet was received or transmitted
- Field 2 *TxIP:* Transmitted by RollMechanic.

RxIP: Received by RollMechanic.

- **Field 3** *Src:* The source RollCall address. This is the address of the sender of the packet. The RollCall address format is net/unit/port/index.
- **Field 4** *Dest:* The destination RollCall address. This is the address of the recipient of the packet. The RollCall address format is net/unit/port/index.
- Field 5 *Type:* The RollCall packet type.
- Field 6 Packet Name: As defined by the packet type.
- Field 7 Flags: B back channel packet / W wide area packet
- Field 8 Data this is specific to the packet type.

Controls

Тх

Enables/disables monitoring of transmitted packets.

Rx

Enables/disables monitoring of received packets.

Packet Filters

This allows selective monitoring of specific RollCall packet types for both transmission and reception. In the Packet Filters dialog, select the packet types to be monitored. Select All and Deselect All toolbar buttons are provided for convenience.

adkets				Rx Packets			
Sciect Al 🔒	Deselect All			Select All	Deselect All		
MACK		CALL			ACK	CALL	TERM
GETSTAT	RETSTAT	GETID	RETID	GETSTAT	RETSTAT	GETID	RETID
	PETFUNC	S DISPDATA	GETESTAT	GETFUNC	RETFUNC	DISPDATA	CETFSTAT
RETESTAT	RESET	INVCMD	BUSY	RETESTAT	RESET	DMDVML	BUSY
SETPARAM		FUNCLIST CHG	GETDEVLIST	SETPARAM		FUNCLISTCHG	GETDEVLIST
RETDEVINFO	GETDEVINFO	LOGREQ	INVSESS	RETDEVINFO		C LOGREQ	INVSESS
REALTIME	TIAW M	CLEAR SESS	BKCHNREADY	REALTIME	TIAW M	CLEARSESS	BKCHNREADY
KEEPALIVE	GETLOCDEVMAP		SETGROUP	KEEPALIVE	GETLOCDEVMAP		SETGROUP
	MAI M	SET GRPFLINC	GETNEXTPKT	STOPGROUP	MAI 🕅		
REPFONG	STOPREPFCHG	ROUTEERROR	BLOCKHEADER	REPFCHG	STOPREPFCHG	ROUTEERROR	
	STREAMDATA			STREAMMODE		FILEDIR	
RAW	SETUSERLEVEL	FILEDELE TE	GETTIME	RAW	SETUSERLEVEL	FILEDELETE	GETTIME
	S LOGDATA		FILEOPEN	TILERENAME	S LOGDATA	GETSRVBYNAME	FILEOPEN
RETFILEOPEN	FILECLOSE	GETDISPDATA	FILEREAD	RETFILEOPEN	FILECLOSE	GETDISPDATA	FILEREAD
RETFILEREAD		SETMULTI	TILERET	RETFILEREAD	FILEWRITE		FILERET
GETDISPCAPS	RETDISPCAPS		DRAWTEXT	GETDISPCAPS	RETDISPCAPS		DRAWTEXT

Address Filters

This allows selective monitoring of packets to and from RollCall units. In the Address Filters menu the user can compile a list of addresses to monitor.

Address Filters	x
Cancel	
Add Remove Include All	
New address / address range	
: : - : :	
-Included addresses (blank = All)	
address = nnnn:uu:pp / address range = nnnn:uu:pp-nnnn	:uu:pp

Using address filters:

- Type either a single RollCall address or address range in the New address / address range box.
- Press *Add* to add it to the list. Repeat this as required.
- The user can selectively remove addresses or address ranges from the list by highlighting the item in the list and pressing *Remove*.
- To monitor all addresses (the default) press *Include All* to remove all addresses from the list. An empty list means monitor all addresses.

Copy All

This copies the current contents of the Comms Window to the clipboard.

Clear

This deletes the contents of the Comms Window.

Always on Top

This will keep the Comms Window in front of all other windows. This is useful when only using a single computer monitor and the user wants to watch the Comms Window while interacting with the control panel.

Preferences

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The preferences dialog contains the following four tabs, each providing a different set of user options.

General Tab

Preferences X
General Manuals IP History RollCall
Control Panel Program
C:/Program Files/Snell/RollCallSuite/Control Panel/RollCall Control Panel.exe
Connection Maximum: 7 Policy: Clear Busy if owner
Set Defaults
Show Status Bar
OK Cancel

Control Panel Program

This specifies the location of the RollCall Control Panel program. By default, the location used is:

C:\Program Files\Snell\RollCall Suite\Control Panel\RollCall Control Panel.exe.

If the RollCall Control Panel is not installed in this default location, the location used by RollMechanic can be changed by clicking the button, and specifying a new location in the window that appears.

Maximum

This specifies the maximum number of simultaneous saves or restores. It has a range from 1 to 20. When the network connection is via a gateway, it is recommended to leave this at the default setting of 7. When the network connection is via RollNet (using RollProxy for example) it is possible to increase this value to improve performance.

Policy

When attempting to connect to a unit on the RollCall network, the Policy option specifies the action that RollMechanic takes in the event of a busy connection.

- **Fail on Busy**: If the connection is busy, regardless of the connection's owner, the RollMechanic connection will fail.
- **Clear Busy if owner**: If the connection is busy, and the RollMechanic user is the owner (i.e. the same RollCall client), the busy state will be cleared and the connection will be made.
- Clear Busy always: If the connection is busy, regardless of the owner, when RollMechanic attempts to connect, the busy state will be cleared and the connection will be made.

The default setting for Policy is Clear Busy if owner.

Retries

This defines the number of times a RollCall packet will be retransmitted if no response is received (TIMEOUT). It has a range from 0 to 4. It is recommended to leave this at its default value of 2.

Timeout (in secs)

This specifies the time that the system will wait for a response to a packet that has been sent. The default timeout period is 3 seconds.

Set Defaults

This returns the values of Maximum Connections, Connect Sequence, and Retries to the following default settings:

- Maximum Connections: 7
- Policy: Clear Busy if owner
- Retries: 2
- Timeout: 3 seconds

Show Status Bar

Select this option to display status bar, showing network activity and memory use, at the bottom of the RollMechanic main window.

Manuals Tab

Preferences X
General Manuals IP History RollCall
RollMechanic Manual
Installed Path: C: \Program Files \Snell \RollMechanic \RollMechanicManual.pdf
Unit Manuals
Remote Source
◎ Local Source
Local Path: C:\Documents and Settings\All Users\.snell\
OK Cancel

RollMechanic can access user manuals for itself and for the units that it is connected to over a RollCall network. These options allow you to specify the means by which manuals are accessed.

RollMechanic Manual

When you install the RollMechanic, a copy of this user manual is installed in the main installation directory. Select **Use Installed Manual** to use this copy. If you wish to specify a different location for the installed Control Panel Manual, you may do so by changing the directory specified in the **Installed Path** field.

Unit Manuals

These options allow you to specify how the Control Panel will access unit manuals.

Remote source – this option opens manuals via the Snell Web site. If the computer on which RollMechanic is installed has external internet access, it is recommended that you select this option to ensure that you have access to the most recent user manuals.

Local Source – opens the manuals from either a local directory, a network server or from the product CD – as specified in the **Local Path** field. If the computer on which RollMechanic is installed does not have external internet access, select this option.

IP History Tab

Preferences	×
General Manuals IP History RollCall	
Clear All Clear Selected	172.19.79.31 172.19.79.32
ОК	Cancel

The IP History tab displays a list of IP addresses to which RollMechanic has successfully connected.

- Click Clear All to clear the entire history list.
- Click **Clear Selected** to clear only selected IP addresses in the list. (To select IP addresses click on them in the list. To select multiple addresses, use Shift + click, or Ctrl + click.)

RollCall Tab

Preferences	×
General Manuals IP History RollCall	
Image: State of the state	- -
Client Name RollMechanic Send Preset)
OK Cancel	

Broadcast I-AM

This option enables a gateway to list RollMechanic in its port listing if RollMechanic has an Ethernet (or serial) connection to the gateway.

Wide Area Flag

When selected in conjunction with the **Broadcast I-AM** option, the Wide Area Flag allows the I-AM message to cross RollNet segment boundaries. Note that this option has no function unless **Broadcast I-AM** is also selected.

Use fast menus, when available

This option enables the use of fast menus for gateways that support them. This significantly decreases the amount of time it takes to download a menu from a module. Note that fast menus, if available, are only available at the supervisor level.

Port Polling

This option is for use with older gateways that do not support connected sessions. It enables the Control Panel to keep module status up to date by the use of periodic polling. It is recommended to only use this feature when necessary because it can generate a lot of additional network traffic.

Redundancy Checking

This option affects how RollMechanic performs backup/restore/clone and network discovery operations.

When this option is selected, RollMechanic checks unit serial numbers during these operations to determine the actual physical units present on the network, which may differ from the units listed. By doing so, RollMechanic can ensure that the operation requested is only performed once per physical unit.

If your network is configured such that the same physical unit or units can be seen from more than one subnet, selecting this option can:

- Increase the speed of backup/restore/clone operations.
- Eliminate errors that may occur during network discovery in instances where the discovery process attempts to open two or more views of the same unit simultaneously.

By default, Redundancy Checking is not enabled.

Maximum Block Size

This defines the maximum "file packet length" used in file transfers between the control panel and units on the network. This setting should not be changed unless advised by Snell.

Client Name

This is the name by which RollMechanic is seen on the RollCall network. The user can change the client name to a unique identity. The default setting is "RollMechanic"

To change the client name, type the new name in the text box and then click **Send** to set the new name, then press OK

To return the control panel to the default setting, click **Preset**. The client name will be reset to "RollMechanic".

User Level

Unlike RollCall Control Panel, RollMechanic does not have a **User Level** option. All connections are made at 'supervisor' level.



?

The About dialog contains information relating to the RollMechanic software release, System Information (the computer being used) and Acknowledgements to third party software libraries.

About	×
RollCall TM RollMechanic © Snell Limited 2007, 2010 www.snellgroup.com	snell
Release Version 1.1.15 Built on 5-July-2010	Components Control Panel Version = 4.1.16 RollCall Library Version = 1.4.21
Release Information WHAT'S NEW 1. Added licensing functionality. 2. Added in situ editing of unit names.	
OK System Info	Acknowledgements

Release Version

This displays the release version of RollMechanic.

Components

This displays internal component versions.

Release Information

This area highlights the new functions, features and options that apply to the software.

System Information

The information contained in this dialog relates to the computer that the Control Panel software is being used on.

System Information		×
Operating System	Windows XP	
Available Processors	2	
User Name	kevindonnelly	
User Home	C:\Documents and Settings\kevindonnelly	
Timezone	Europe/London	
Java Runtime Name	Java(TM) SE Runtime Environment	
Java Runtime Version	1.6.0_07-b06	
Java Vendor	Sun Microsystems Inc.	
Java Home	c:\program files\java\jre1.6.0_07	
JVM Memory	254 Megabytes	
	(OK)	
		_

Acknowledgements

This lists the third party libraries used in the Control Panel and provides copies of their licenses.

Acknowledgements	×
Snell & Wilcox acknowledges the use of the following third party libraries:	
Libraries	
Substance JDOM Log4j JTC - Java Toolkit Collection args4j Piccolo javax.comm	
License	_
javax.comm	^
Sun Microsystems, Inc.	
Binary Code License Agreement	
READ THE TERMS OF THIS AGREEMENT AND ANY PROVIDED SUPPLEMENTAL LICENSE TERMS (COLLECTIVELY "AGREEMENT") CAREFULLY BEFORE OPENING THE SOFTWARE MEDIA PACKAGE. BY OPENING THE SOFTWARE MEDIA PACKAGE, YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCESSING THE SOFTWARE ELECTRONICALLY, INDICATE YOUR ACCEPTANCE OF THESE TERMS BY SELECTING THE "ACCEPT" BUTTON AT THE END OF THIS AGREEMENT. IF YOU DO NOT AGREE TO ALL THESE TERMS, PROMPTLY RETURN THE UNUSED SOFTWARE TO YOUR PLACE OF PURCHASE FOR A REFUND OR, IF THE SOFTWARE IS ACCESSED ELECTRONICALLY, SELECT THE "DECLINE" BUTTON AT THE END OF THIS AGREEMENT.	
1. LICENSE TO USE. Sun grants you a non-exclusive and non-transferable	>
ОК	

Manual



Displays this User Manual. A PDF viewer, such as $Adobe^{^{(\!R)}} Acrobat^{^{(\!R)}}$ will be needed to view this, and all product manuals.

Software Releases



This dialog allows software release files to be imported. After these files have been imported, individual units can be upgraded using the Upgrade function. See page 54.

	Importing release C:\Documents and Settings\kevindonnelly\Desktop\Current Work\RollCall 32\Upgr ade Packages\IQSYN20_7.410.zip Extracting Unit ID(s) = 344/387 Release version = 7.4 .10 Release Imported
--	--

Click **Import Release**, select the upgrade package zip file to be imported, and click **OK**.

Select Upgrade Package	×
🛅 Upgrade Packages	
IQSYN20_6.1.5rc1.zip	🚺 RCIF3U2_6_0N_14_RC.zip 🚺 TB
IQSYN20_7.410.zip	🚹 RCIF3U2_V3_7_13.zip 👔 TB
III MUX_8.0A.12rc1.zip	RCIF3U2_V5_12_14_APPLET_V2_0_1.zip 10 UP
III MUX_8.0B.13rc1.zip	RCIF3U2_V5_13A_14_RC.zip
MUX_Release8.1.14rc4.zip	RCIF3U2_V5_14_14_APPLET_V2_0_1.zip
RCIF3U2_6_0K_14_RC.zip	RCIF3U2_V6_0c_14_RC.zip
RCIF3U2_6_0L_14_RC.zip	1 SDA02_5_4_8.zip
RCIF3U2_6_0M_14_RC.zip	3DA02_5_5_8.zip
8()))
IQSYN20_7.410.zip	
Upgrade Zip File (.zip)	
	OK Cancel

The Import Log section displays the log file information generated by the import process.

An upgrade package can be deleted by right clicking on it and selecting **Delete**.

Upgrade History

Every time an upgrade is performed, whether successful, aborted or cancelled, an entry is made into the upgrade history file. This file is a record of upgrades and cannot be edited.

						Co	ppy to C/B					
						-						
Timestamp	Serial Number	Hardware	Address	Name	Туре	ID	Version	Upgrade Package	Name	Туре	ID	Version
2008-06-19 15:14:55	unknown		0000:11:08	08:IQSDA??	Unprogrammed unit	327	2.11.7	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA11	IQSDA11	437	5.2.6
2008-06-19 14:45:35	535063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14	C:\Server Content\ControlPanel\	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-19 14:41:43	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.1.5	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA??	Unprogrammed unit	327	2.11.7
2008-06-19 14:36:45	unknown		0000:11:08	08:IQSDA??	Unprogrammed unit	327	2.11.7	UPGRADER_IQSDA11_515.zip	08:IQSDA11	IQSDA11	437	5.1.5
2008-06-19 14:32:51	test01		0000:11:08	08:IQ5DA11	IQSDA11	437	5.1.5	UPGRADER_IQSDA11_5_2_6.zip	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
2008-06-19 14:30:23	unknown		0000:11:08	08:IQ5DA??	Unprogrammed unit	327	2.11.7	UPGRADER_IQSDA11_515.zip	08:IQSDA11	IQSDA11	437	5.1.5
2008-06-19 14:29:30	unknown		0000:11:08	08:IQSDA??	Unprogrammed unit	327	2.11.7	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA??	Unprogrammed unit	327	2.11.7
2008-06-19 14:29:09	unknown		0000:11:08	08:IQSDA??	Unprogrammed unit	327	2.11 .7	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA??	Unprogrammed unit	327	2.11.7
2008-06-19 14:24:57	\$35063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14	C:\Server Content\ControlPanel\	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-19 13:34:05	unknown		0000:11:08	08:IQSDA??	Unprogrammed unit	327	2.11 .7	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA??	Unprogrammed unit	327	2.11.7
2008-06-19 10:45:43	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.1.5	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA??	Unprogrammed unit	327	2.11.7
2008-06-18 17:08:59	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.2.6	UPGRADER_IQSDA11_515.zip	08:IQSDA11	IQSDA11	437	5.1.5
2008-06-18 17:02:21	\$35063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14	C:\Server Content\ControlPanel\	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-18 16:40:02	535063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14	C:\Server Content\ControlPanel\	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-18 16:39:08	\$35063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14	C:\Server Content\ControlPanel\	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-18 16:35:13	535063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14	C:\Server Content\ControlPanel\	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-18 16:26:33	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.1.5	UPGRADER IQSDA11 5 2 6.zip	08:IQSDA11	IQSDA11	437	5.2.6
2008-06-18 16:13:41	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.2.6	UPGRADER IQSDA11 515.zip	08:IQSDA11	IQSDA11	437	5.1.5
2008-06-18 15:21:54	535063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-5	429	6.0N.14	C:\Server Content\ControlPanel\	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-17 15:57:26	unknown		0000:11:08	08:IQSDA??	Unprogrammed unit	327	2.11.7	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA11	IQSDA11	437	5.2.6
2008-06-17 15:52:45	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.2.6	UPGRADER_IQSDA11_515.zip	08:IQSDA??	Unprogrammed unit	327	2.11.7
2008-06-17 14:40:56	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.1.5	UPGRADER_IQSDA11_5_2_6.zip	08:IQSDA11	IQSDA11	437	5.2.6
2008-06-17 14:34:18	test01		0000:11:08	08:IQSDA11	IQSDA11	437	5.2.6	C:\Documents and Settings\marti	08:IQSDA11	IQSDA11	437	5.1.5
2008-06-17 14:05:02	unknown		0000:11:08	08:IQSDA??	Unprogrammed unit	327	2.11.7	UPGRADER IQSDA11 5 2 6.zip	08:IQSDA11	IQSDA11	437	5.2.6
2008-06-17 14:04:16	test01		0000:11:08	08:IQ5DA11	IQSDA11	437	5.1.5	UPGRADER IQSDA11 5 2 6.zip	08:IQSDA??	Unprogrammed unit	327	2.11.7
2008-06-17 12:25:04	535063224	RCIF3U2B.00/	0000:11:00	Martin's Rack (50)	IQH3UM4-5	429	6.0M.14	RCIF3U2 6 ON 14 RC.zip	Martin's Rack (50)	IQH3UM4-S	429	6.0N.14
2008-06-16 14:47:09	test01		0000:11:08	08:IQSDA11	IOSDA11	437	5.2.6	UPGRADER IOSDA11 515.zip	08:IQSDA11	IQSDA11	437	5.1.5
2008-06-16 14:29:13	test01		0000:11:08	08:IOSDA11	IOSDA11	437	5.1.5	UPGRADER IOSDA11 5 2 6.zip	08:IOSDA11	IOSDA11	437	5.2.6

Each entry contains the following information:

- Timestamp
- Serial Number
- Hardware version (if available)
- RollCall Address
- Unit Name pre upgrade
- Unit Type pre upgrade
- Unit ID pre upgrade
- Unit Version pre upgrade
- Upgrade Package, this can be one of the following:
 - The name of the original zip file from which the release was imported.
 - The RollCall address of the unit from which the release was imported.
- Unit Name post upgrade
- Unit Type post upgrade
- Unit ID post upgrade
- Unit Version post upgrade

Licenses

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Some IQ Modular and conversion products have additional features that can only be used if they are licensed. The License Viewer enables you to manage the licenses that these products require.

Modular Licenses

The IQ Modular products that support licensed options can have two license types:

- 3G: A 3G license will enable 3Gbps features on certain modules.
- **Option Licenses:** An option license will enable any or all of several features on certain modules.

License Vie	ewer										×
Modular Lice	enses Co	nversion Licen	ses								
-3G Licens	es										
Unit Type	Serial	Date	3G								
IQDMX33	50043103	3 23-Jun-201	.0								
IQDMX33	50043103	23-Jun-201	.0 √								
1											
Option Lic	enses										
Unit Type	FPGA Serial	Date	Upmix	Dolby Decode	Dolby D Encode	Dolby E Encode	Color Correction	Loudness 5.1	Loudness Stereo A	Loudness Stereo B	
IQDMX33	317714	26-Apr-2010	1	-							
IQDMX33	317714	26-Apr-2010	V	√			√	√			
IQDMX33	317714	26-Apr-2010	V	V	√	√	V	√	√	√	
<u></u>											
					Imp	oort Licens	ies				

If a feature is enabled on a license, a check mark is displayed in the column below the feature.

Conversion Licenses

The Alchemist Ph.C - HD and Alchemist Ph.C - HD TX Motion Compensated Conversion Platforms also support licensed options. You can manage these from the Conversion Licenses tab.

the second s	Conversion	Licenses						
Alchemist Phc	ID Licenses							
Jnit Type	MIO Serial	Date	High Definition I/O	FilmTools	Timecode	Dolby E [1 Channel]	Dolby E [2 Channel]	
Alchemist PhC Hi	00000000	14-Mar-2010	√		-			
Alchemist Phc	ID TX Licens	ies						
Jnit Type MIO	Date 50H	z 60Hz :	Second Dolby	E Doll	by E			
					•			

Importing Licenses

License files are contained in Zip archives. Before you can import license files, you must first obtain them from Snell and then store them in a network location that can be accessed by RollMechanic.

To import license files:

- 1. Open the License Viewer.
- 2. Click **Import Licenses** and then browse to the location of the license files.
- 3. Select the license files and click OK. A summary dialog appears.
- 4. Click **OK** to close the summary.

After you have imported licenses, they can be installed to several units at once by means of the Licensing menu. For more information, see page 34.

Alternatively, they can be installed to individual units by means of the Unit License option. For more information, see *Unit License* on page 30.

Removing Licenses

Licenses are stored in an internal database. You can remove license files from the database if they are no longer required.

To remove license files:

- 1. Open the License Viewer.
- 2. Select the license or licenses to be removed, right-click on them and then select **Remove**.
- 3. A confirmation dialog appears. Click **Yes** to remove the license or licenses. Click **No** to cancel the operation. A summary dialog appears.
- 4. Click **OK** to close the summary.

Network List

The network list, on the left side of the RollMechanic window, displays all of the units on the RollCall network. When a network connection is initially established, the list will show the top level nodes in the network.

RollMechanic								
品影	: 8 = ? 🕅							
123.45	6.78.9			₹ \$				
# #	₿ ↓ ₿†							
Name		Address	Version	Туре				
⊕ H	Martin Bottom	0000:01:00	4.0.0	Proxy Virtual №				
∎⊕–₩	ColdRoom 3	0000:02:00	4.0.0	Proxy Virtual N				
∎⊕–₩	ColdRoom	0000:03:00	4.0.0	Proxy Virtual N				
⊕ ₩	NAB Rack	0000:04:00	4.0.0	Proxy Virtual N				
∎⊕–₩	IQ Lab	0000:05:00	4.0.0	Proxy Virtual N				
• H	Martin Middle	0000:07:00	4.0.0	Proxy Virtual N				
• H	ColdRoom 2	0000:08:00	4.0.0	Proxy Virtual №				
i ⊕ H	Martin Top	0000:09:00	4.0.0	Proxy Virtual №				

The following icons are used to graphically illustrate the components of the RollCall Network:

- Bridge unit, which links to another RollCall network. This may be a physical bridge device, or a virtual bridging element such as the RollCall IP Proxy.
- H Bridge unit expanded.
- Unit with sub-units, e.g. modular chassis.
- Unit with sub-units expanded.
- Unit with sub-units non controllable state.
- Unit with sub-units non controllable state expanded.
- Module.
- Module non controllable state.
- Stand-alone unit with no sub-units.
- Stand-alone unit non controllable state.
- Indicates that the unit is being controlled by a remote control panel, and is available for other control panels to connect, (multisession).
- Indicates that the unit is being controlled by a remote control panel, but is *not* available for other control panels to connect to, (single-session).

Network Discovery

When RollMechanic initially connects to a RollCall network, only the top level nodes are displayed. RollMechanic is unaware of any units below the displayed level, and will remain as such until the units are *discovered*. This is done to improve the performance of RollMechanic by reducing the amount of information that needs to be gathered about the network – some of which may not be needed by the user.

For example, in the case of an extremely large network, it may take up to several minutes for RollMechanic to gather the information that it requires to fully display the network. However, the user may only wish to view a single unit on the network. In this instance, it is not necessary to discover the entire network; instead, RollMechanic only needs to be aware of the unit to which the user wants to connect (and naturally those that are above it in the tree structure). Therefore, it is useful to be able to only discover, and subsequently display, parts of a network.

Once a network component has been discovered, it will remain so for the remainder of the currently connected RollMechanic session.

Note:

If your network is configured such that the same physical unit or units can be seen from more than one subnet, it is possible that during the network discovery process RollMechanic may attempt to open the same physical unit (on different subnets) simultaneously, causing an error to occur. Enabling the Redundancy Checking option in the RollCall preferences can prevent this error from occurring. See Redundancy Checking on page 17 for more information.

Manually Discovering a Network

Any node with a + sign next to it can be discovered and expanded, either by clicking on the + sign or by double clicking on the name. The picture below shows a partially expanded network.

Name	Address	Version
🕀 🛏 Martin Bottom	0000:01:00	4.0.0
🕀 🛏 ColdRoom 3	0000:02:00	4.0.0
l	0000:03:00	4.0.0
🕀 🖂 Rack 1	3000:01:00	5.2.6
	3000:02:00	5.2.6
	3200:20:00	5.17.14
⊕- 💼 IQH1U-RC	3200:21:00	5.17.14
	3200:22:00	5.17.14

There are two toolbar buttons at the top of the network browser that can be used to discover the RollCall network.



Discover Network – all units

The **Discover Network – all units** button (the large binoculars) polls the entire RollCall Network and gathers information about everything that is connected to it. Depending on the size of the RollCall network, this process can take several minutes to complete.

If required, the discovery process can be interrupted by clicking the **Cancel** button while the discovery process is running. After a network has been discovered, it is displayed in the network tree fully expanded.

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Discover Network – gateways only

The **Discover Network – gateways only** button (the small binoculars) polls the RollCall Network tree and gathers information down to the Gateway level. Anything below the Gateway level must then be discovered by manually expanding the relevant Gateways. This option does not take as much time as **Discover Network – all units**.

As with the 'all units' option, this action can be canceled while the discovery process is running. Similarly, when the discovery process is complete, the network tree will be displayed in the expanded view.

The Expand Tree and Collapse Tree buttons do not perform any function with regard to network discovery. Their only purpose is to change the visual representation of the network tree view.

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Expand Tree

This button fully expands all of discovered network components in the view. Note that before a network node can be expanded, it must first be discovered as described previously in this section.



Collapse Tree

This button fully collapses the network view. Note that any units that have already been 'discovered' will remain so for the remainder of the currently connected session.

By default, the network list displays name and address information for each unit or node on the network, version and type information can also be displayed. Right click on the column header bar to specify the header columns to be displayed.

Name		Address
🖃 💼 Martin's Rack (52)	🗹 Name	0000:08:00
- 🔤 01: NOT RollCall 3!	🗹 Address	0000:08:01
	Version	0000:08:02
04: 04:IQSYN20		0000:08:04
	0,00	0000:08:05
		0000:08:06
07: IQSDA02		0000:08:07

Right click on a node or unit in the Network list to:

- Display unit information.
- View unit history.
- Open the selected unit's manual.
- Open the selected unit in the RollCall Control Panel.

Name		Address
— 📻 🛛 Ma	artin V5	0000:08:00
	Edit Unit Name	:08:06
	Unit Info	:08:07
	H Unit History	1:08:09
		1:08:0B
	Unit Manual	1:08:0C
	🖓 Unit License	1:08:0E
	Open in Control P	apel 1:08:8C
11 H		:08:8D
L IZN -	- 4	

Edit Unit Name enables you to edit the name of any gateway or module in the Network Tree. For more information, see page 29.

Unit Info displays information related to the currently selected unit.

A + symbol shown next to **Menu** indicates that the unit supports fast menus.

Note:

Unit History displays the history (upgrades, backups, restorations, etc...) of the currently selected unit.

Unit Manual displays the currently selected unit manual.

Unit License opens the Unit License window, which displays the currently installed licenses as well as any available licenses in the licensing database. For more information, see page 30.

Open in Control Panel opens the currently selected unit's template in the RollCall Control Panel.



Edit Unit Name

You can edit the name of any gateway or module in the Network Tree.

To edit the name of a unit:

1. Right click on the unit in the Network Tree and select **Edit Unit Name**. Alternatively, select the unit and press the F2 key.

A text entry box appears in place of the unit name.

-	- 🐼 i	A Martin V5 05:IQMUX33 B 06:IQSDA02											
	\vdash	05:1	IQMUX33										
		11日本	06:IQSDA02										
		11年	07:IQDSK00										
		調整	09:IQCGPI-B-R										
		111	11:IQSDA02										
			12-001005/00										

2. Type a new unit name in the text box and press the **Enter** key to accept; or, press the **Esc** key to cancel the action. Names have a maximum length of 19 characters.

To return a unit to its default name, delete all of the text in the text entry box and press the **Enter** key.

When a gateway is also acting as a bridge, it is displayed as having two nodes in the network tree. One node is shown as the gateway \blacksquare and the other is shown as the bridge \bowtie . By default, both nodes share the same unit name.

To alleviate confusion, a naming convention exists to allow separate names to be given to the gateway and the bridge.

If the unit name contains a tilde (\sim) character, the text before the \sim will be used as the gateway name and the text after the \sim will be used as the bridge name. (Note that the 19 character length restriction still applies.)

For example, the name **Gateway~Bridge**, would be displayed as shown below.



Unit License

If a unit supports licensed options, right click on the unit and select **Unit License** to open the Unit License window.

Unit Nam	e	Unit Ad	dress	Unit	t Type	2	Serial		FPG/	Serial	1			
5:IQMUX	33	0000:08	:05	IQM	UX33		500431	00	3177	8				
3G Licens	e													
icensed O	ptions													
None														
Unit Type	Serial	Dat		30										
IOMUX33	3 50043	100 23	- Jun-201(0										
Available L	icenses	1000 Tex			12.0									
Unit	Type S	erial	Date		3G									
Options L icensed O None	icense –													
Options L Licensed O None Current Lic	icense ptions ense EPGA				Dolby	v Dol	av D Do	alby F	Color	loudr	ness Louid	ness Lo	idness	
Options L icensed O None Current Lic Unit Type	icense ptions ense FPGA Serial	Date		Upmix	Dolby	/ Doll de Enc	oy D Do	olby E ncode	Color Correction	Loudr 5.1	ness Loud Sterv	Iness Lou eo A Ste	idness reo B	
Dptions L icensed O None Current Lic Unit Type IQMUX33	icense ptions ense FPGA Serial 3 31770	Date 3 26-Ap	pr-2010	Upmix	Dolby Deco	/ Doll de Enc	oy D Do ode En	olby E ncode	Color Correction	Loudr 5.1	ness Loud Sterr	Iness Loi eo A Ste	idness ireo B	
Dptions L icensed O None Current Lic Unit Type IQMUX33 Available L Unit	icense ptions FPGA Serial 3 317701 icenses	Date 3 26-Ap	or-2010 Date	Upmix	Dolby Deco	Dolby	Dolby D	D Dolb	Color Correction	Loudr 5.1	Loudness	Iness Lou eo A Ste	idness reo B	ness
Dptions L i.censed O None Current Lic Unit Type IQMUX32 Available L Unit	icense Prose FPGA Serial 3 317700 icenses Type F S MUX33 3	Date 3 26-Ap PGA erial 117708	or-2010 Date 26-Apr-2	Upmix U 2010	Dolby Deco	/ Doll de Enc Dolby Decode √	oy D Do ode En Dolby Encod	Diby E ncode D Dolt e Enco	Color Correction by E Colo ode Corr	Loudr 5.1 ection	Loudness 5.1	Iness Lou eo A Ste Stereo A	idness ireo B s Loudr Stere	ness o B

The Unit License window displays the currently installed licenses for both 3G and Licensed Options as well as any available licenses in the licensing database.

Before you can install a license, you must first import it to the license database. For more information, see *Licenses* on page 22.

In the above example, the IQMUX33 does not have any licensed options enabled. However, two licenses are available, one for 3G and one for upmixing, Dolby[®] decoding and Dolby[®] encoding.

To install licenses:

- 1. Select the licenses you want to install and then click **Install** Licenses.
- 2. In the confirmation dialog that appears, click **Yes** to install the licenses. To cancel the operation, click **No**.

A confirmation dialog appears, asking if you want to restart the module. The licenses will not be valid until the module is restarted.

3. Click Yes.

Unit License window will close. When the unit has restarted the new licenses will be active.

Inventory

Note:

The Inventory window comprises several tabs that display information about the RollCall network and the units on it.

Until a unit has been **discovered**, as described in the previous section, it will not appear in the Inventory

To save the information displayed on any of the Inventory tabs to a text file, click **Save**.

To copy the information displayed on any of the Inventory tabs to the clipboard, click **Copy**.

All Units Tab

					Inventory						
All Units Summa	ry IP Client	Gateways)								
Name Martin V6	Address 0000:07:00	Type IQH3UM4-S	ID 429	Version 6.02.16	Serial S35063224	Info 1	Info 2	Loader 2.18.7	Hardware Version RCIF3U2B.00/	OS KOS	Duplicates
IQDMSDD	0000:07:04	IQDMSDD	32	6.2.8	<u> </u>						
IQDEC04	0000:07:05	IQDEC04	416	5.21.16	S35053259			2.11.7		KOS	
IQDEC03	0000:07:07	IQDEC03	415	5.21.16	s12345678			2.11.7		KOS	
IQSDA11	0000:07:08	IQSDA11	437	5.1.5				2.11.7		LOBS	
IQDMSDP	0000:07:0A	IQDMSDP	101	6.9.8	S30041304						
IQD1DAC2-F-0	0000:07:0C	IQD 1DAC2	34	5.4.7	290266						
IQMDDA	0000:07:0D	IQMDDA	150	5.25.30	No Serial No. Set						
15:IQMUX47	0000:07:0F	IQMUX47	495	8.3.16	S87654321			2.18.7	RDAUD1Y.001	KOS	
Martin V5	000:08:00	IQH3UM4-S	429	5.17.16	S35063197			2.18.7	RCIF3U2B.00/	KOS	
05:IQSDA02	0000:08:05	IQSDA02	464	5.8.11	s36093247			2.16.7	RDHDAI2X.000	KOS	
06:IQSDA02	0000:08:06	IQSDA02	464	5.5.8	s36093249			2.16.7	RDHDAI2X.000	KOS	
09:IQCSPI	0000:08:09	IQCSPI	127	133.16c.1	S37024933						
11:IQSDA02	0000:08:0B	IQSDA02	464	5.6.9	unknown			2.16.7	RDHDAI2X.000	KOS	
13:QCIQDEV00	0000:08:0D	Dev KOS unit	197	129.0.129	unknown						
14:IQDARCS	0000:08:0E	IQDARCS	200	5.5.8	<u> </u>					LOBS	
Martin Single Sess	0000:10:00	IQH3UM	157	5.20.16	S31032306						
02:QCIQDEV00	0000:10:02	Dev KOS unit	197	129.0.129	unknown						
03:IQCGPI-B-R	0000:10:03	IQCGPI-B-R	331	5.13.255				Error: NACK		KOS	
04:IQSYN20	0000:10:04	IQSYN20	344	8.2.13	unknown				RDSYN1Y.001	KOS	
06:IQSDA02	0000:10:06	IQSDA02	464	5.5.8	s36060928			2.16.7	RDHDAI2X.000	KOS	
07:IQSDA02	0000:10:07	IQSDA02	464	5.4.8	s36093245			2.16.7	RDHDAI2X.000	KOS	
08:IQDSDRR	0000:10:08	IQDSDRR	181	5.0.5	S30120323						
09:IQDNRS	0000:10:09	IQD 1NRS	128	5.5.8	280602D						
11:IQDAFS	0000:10:0B	IQDAFS	113	7.3a.11	S33090293						
13:IQMUX01	0000:10:0D	IQMUX01	355	5.22.6						LOBS	
16:IQSYN00	0000:10:10	IQSYN00	349	5.23.7	<not set=""></not>			2.11.7		LOBS	
IQCGPI-B-R	0000:30:00	IQCGPI-B-R	331	5.13.255	unknown			2.19.7		KOS	
nventory built on 20	009-11-13 at :	15:31:55 conne	cted to	o 172.19.81.	50						
											Guian

The All Units tab displays the following information about the units on the RollCall network:

- Name: The name of the unit.
- Address: The RollCall address of the unit on the network.
- **Type:** The unit type.
- ID: The unit's RollCall ID.
- Version: The unit's currently installed software version.
- Serial: The unit's serial number.
- Info 1 & Info 2: User configurable information, provided by the Gateway card.
- Loader Version: The unit's current loader version.
- Hardware Version: The unit's current hardware version.
- **OS:** The unit's operating system type.
- Duplicates: Indicates any duplicate addresses.

For each of these columns:

- If N/A is displayed, the unit does not support the information type.
- If nothing is displayed, RollMechanic cannot determine the information, or the information is not available.

Summary Tab

Inventory								
All Units Summary IP Clients Gateways								
Туре	ID	Version	Unit Count					
IQH3UM4-S	429	6.02.16	2					
IQH3UM4-S	429	5.17.16	1					
RC32 Rout. IPSh Svr	482	4.2.1	1					
*Total Count			4					
Inventory built on 2009-04-21 at 11:49:47 conn	ected to 172.19.81.50							
Save Copy			(Main Menu)					

The Summary tab displays the following summary information about the units on the RollCall network:

- **Type:** The unit type.
- **ID:** The unit's RollCall ID.
- Version: The currently installed software version.
- **Unit Count:** The number of unit's on the RollCall network that share the same Type, ID, and Version.

IP Clients

The IP Clients tab displays the RollCall clients that are currently connected to the network via IP.

	Invent	тогу	
All Units Summary IP Clients Gatewa	аув		
Name	IP Address	Connections	
KevinRollMechanic	172.19.77.137	1	
PC-SLP-EN-02104	172.19.77.80	3	
PC-SLP-EN-02415	172.19.77.126	1	
PC-SLP-IS-02723	172.19.77.130	3	
VioletLS	172.19.77.126	1	
Inventory built on 2009-04-21 at 11:49:47 co	nnected to 172.19.81.50		
Save Copy		Main M	1enu)

Gateways

The Gateways tab displays information about the Gateways that are currently connected to the RollCall Network.

	Inventory										
All Units Summa	All Units Summary IP Clients Gateways										
Name	Address	Info1	Info2	Applet Version	IP Address	Link Status	Named Log Server	Using Log Server	Log Server Address	SNMP Enabled	Left PSU Rep
Martin's Rack (52)	0000:07:00			3.0.16	172.19.81.52	100Mps Full Duplex	VioletLS	VioletLS	0000:07:8E		1
Martin's Rack (51)	0000:08:00			3.0.17	172.19.81.51	100Mps Full Duplex	LogServer	VioletLS	0000:07:8E	2	2
Martin's Rack (50)	0000:11:00			3.0.16	172.19.81.50	100Mps Full Duplex	LogServer32	VioletLS	0000:07:8E		2
											\supset
Inventory built on 2	ventory built on 2009-04-21 at 11:49:47 connected to 172.19.81.50										
Save	Save Copy Main Menu										

Licensing

The Licensing menu displays all of the licensed units in the current network and enables you to install new licenses for single or multiple units.

	Licensed Units										
Modular Licenses Conversion Licenses											
_3G Licens	es										
Unit Type	Unit Address	Serial	Date	3G	-						
IQMUX33	0000:08:05	50043100) 23-Jun-201	.0 √							
IQDMX33	8000:01:0B	50043103	3 23-Jun-201	0 🗸							
IQSYN33	8000:01:0E	50043093	3 23-Jun-201	0							
	encec										
Unit Type	Unit Address	FPGA Serial	Date	Upmix	Dolby Decode	Dolby D Encode	Dolby E Encode	Color Correction	Loudness 5.1	Loudness Stereo A	Loudness Stereo B
IQMUX33	0000:08:05	317708	26-Apr-2010	√	√	√	√				
IQDMX33	8000:01:0B	317714	26-Apr-2010	√	√	√	√	√	√	√	\checkmark
IQSYN33	8000:01:0E	317716	26-Apr-2010					√	√	√	√
K (
)>

When you first open the Licensing menu, the Licensed Units window appears. This window displays all of the licensed units on the RollCall network and provides a summary of the options that are licensed. A check mark below a licensed feature indicates that the feature is licensed for that unit type.

Click **Save** to save the list of licensed units to a text file.

Click **Copy** to copy the list of licensed units to the clipboard.

Click **Show Available Licenses >** to open the Available Licenses window.

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	Available Licenses												
Modu	Modular Licenses Conversion Licenses												
<mark> </mark> 3G I	icenses												
	Unit Type IQSYN33	Unit Address 8000:01:0E	Serial 5004309	Date 3 23-Jun-201	3G .0 √								
											Mos	st Recent	
-Onti	ion License												
	Unit Type	Unit Address	FPGA	Date	Upmix	Dolby	Dolby D	Dolby E	Color	Loudness	Loudness	Loudness	5
	IQMUX33	0000:08:05	317708	26-Apr-2010	√	Decode	Encode	Encode √	Correction	5.1	Stereo A	Stereo B	
										·	 Mo: 	st Recent) All
< Sh	iow Current L	icenses	Install Sele	cted Licenses								Main M	Menu

The Available Licenses window displays the licenses in the Licensing database. These are imported to RollMechanic by means of the *Licenses* toolbar option. For more information, see page 22.

By default, only the most recent available license files are shown. These include only files that are newer than the licenses that are currently installed.

If you choose to display all available licenses (by selecting the **All** radio button), all licenses stored in the licensing database are displayed, including those that are older than the currently installed licenses. This is useful if you want to roll back to a previous license version.

For each license a table displays a summary of the license features and compares it to the currently installed license, indicating what the result of installing the license would be.

Unit Type	Unit Address	FPGA Serial	Date	Upmix	Dolby Decode	Dolby D Encode	Dolby E Encode	Color Correction	Loudness 5.1	Loudness Stereo A	Loudness Stereo B	
IQMUX33	0000:08:05	317708	26-Apr-2010	×	×	×	×					
IQMUX33	0000:08:05	317708	26-Apr-2010	√	√	√	√	√	√	√	√	
IQDMX33	8000:01:0B	317714	26-Apr-2010	×	×	×	×	×	×	×	×	
IQDMX33	8000:01:0B	317714	26-Apr-2010	√	√	×	×	√	√	×	×	

- A **bold** check mark indicates that a feature is present on the available license but is not present on the currently installed license. Installing the available license would add the feature.
- A check mark (regular weight) indicates that a feature is present on the available license and that it is also present on the currently installed license. Installing the available license would not have any effect with respect to that feature.
- A blank entry in the table indicates that the feature is neither present on the available license nor the currently installed license. Installing the available license would not have any effect with respect to that feature.
- An x indicates that the feature is not present on the available license but is present on the currently installed license. Installing the available license would **remove** the feature.

To install license files:

- Obtain the license files from Snell and import them into the Licensing database. See *Licenses* on page 22 for more information.
- 1. Open the Licensing menu, the Licensed Units window will be displayed. Click **Show Available Licenses**. The Available Licenses window will be displayed.
- 2. Select the licenses that you want to install.

Options to select all licenses, deselect all licenses, select all licenses for a specific unit type or deselect all licenses of a specific unit type are available by right-clicking in the table.

- 3. Click Install Selected Licenses.
- 4. In the confirmation dialog that appears, click **Yes** to proceed or click **No** to cancel the operation. A summary dialog appears.
- 5. Click **OK** to close the summary dialog. A message stating that you must restart the units for the new licenses to take effect appears.
- 6. Click **Yes** to restart the units. Note that the Alchemist Ph.C HD and the Alchemist Ph.C HD TX must be manually restarted.

Backup, Restore and Clone

The following sections of this user manual are about the Backup, Restore, and Clone functions.



If your network is configured such that the same physical unit can be seen from more than one subnet, selecting the Redundancy Checking option in the RollCall Preferences can increase the speed of these operations. See Redundancy Checking on page 17 for more information.

Backup

The Backup menu provides access to RollMechanic's backup functions.

To access the Backup menu, click **Backup** on the main menu.

Backup					
🗮 🕴 🧰 C:\RollCall Backups\					
Name	Address	Туре	ID	Version	
🖃 🦳 📾 Martin's Rack (52)	0000:08:00	IQH3UM4-S	429	6.05.15	^
- 🥅 🎫 NOT RollCall 3!	0000:08:01		65535	0.0.0	0
	0000:08:02	Dev KOS unit	197	129.0 .129	
04:IQSYN20	0000:08:04	IQSYN20	344	6.1.5	
	0000:08:05	IQSYN20	344	6.1.5	
IQSDA02	0000:08:06	IQSDA02	464	5.5.8	
IQSDA02	0000:08:07	IQSDA02	464	5.4.8	
IQDSDRR	0000:08:08	IQDSDRR	181	5.0.5	
IQDNRS	0000:08:09	IQD1NRS	128	5.5.8	
IQSYN00	0000:08:0B	IQSYN00	349	5.23.7	
IQMUX01	0000:08:0D	IQMUX01	355	5.22 .6	
IQMUX11	0000:08:0F	IQMUX11	359	5.22 .6	
🖃 🦳 🕢 Martin's Rack (51)	0000:09:00	IQH3UM4-5	429	5.14 .14	
IQSDA02	0000:09:05	IQSDA02	464	5.4.8	
IQSDA02	0000:09:06	IQSDA02	464	5.5.8	
- 🥅 🎫 IQDARCS	0000:09:09	IQDARCS	200	5.2.6	
QCIQDEV00	0000:09:0D	Dev KOS unit	197	129.0 .129	
IQSPI00	0000:09:0E	IQSPI00	477	6.6F.1	
😓 🥅 🝙 🛛 Martin's Rack (50)	0000:11:00	IQH3UM4-5	429	6.05.15	
- 🦳 🎫 NOT RollCall 3!	0000:11:01		65535	0.0.0	
IQDMSDD	0000:11:04	IQDMSDD	32	6.2 .8	
IQDEC04	0000:11:05	IQDEC04	416	5.21.16	
IQDEC03	0000:11:07	IQDEC03	415	5.21 .16	
- 🦳 🎫 IQSDA11	0000:11:08	IQSDA11	437	5.2.6	
IQDMSDP	0000:11:0A	IQDMSDP	101	6.9.8	
- 🥅 🎫 IQD1DAC2-F-0	0000:11:0C	IQD1DAC2	34	5.4.7	
IQMUX43	0000:11:0F	IQMUX43	390	8.1.14	~
Node count = 32 Nodes	selected = 0				
Next >				M	ain Menu

To return to the main menu at any time, click **Main Menu** in the lower-right corner of the window.

Specifying the Backup Directory

The current backup directory is displayed at the top of the Backup window. To change the location of the Backup directory, click the 🔁 button.

		:\Ro	ollCall Backups\	
Name				Address
9- E		M	artin's Rack (52)	0000:08
	- 🔲 I	調整	NOT RollCall 3!	0000:08
-	- 🔲 I	III.	02:QCIQDEV00	0000:08

The Backup Directory Browser appears.

Backup Directory Browser X						
C:\RollCall Backups\						
Select Folder Default Folder OK Cancel						
¦ầ∔ Expand All – ¦ầ↑ Collapse All						
Address	Туре	ID	CmdSet			
₽-0000:01:00						
⊟−1000:10:00						
-1000:10:03	IQMUX43	390	6			
-1000:10:0C	IQSYN21	387	11			
-1000:10:0E	IQMUX42	389	12			
⊟-0000:08:00	IQH3UM4-S	429	14			
0000:08:06	IQSDA02	464	7			
0000:08:07	IQSDA02	464	7			
0000:08:08	IQDSDRR	181	5			
0000:08:09	IQD1NRS	128	8			
0000:08:0B	IQSYN00	349	7			
	IQMUX01	355	6			
	IQMUX11	359	6			
-0000:08:10	IQD1FSY	17	6			

The Backup Directory Browser displays a list of all the backup files in the current backup directory. Each backup file is displayed as an entry in a tree table. There are four columns of information:

Address The address of the unit from which the backup file was made.

Type The type of unit at that address.

ID The ID of the unit at that address

CmdSet The command set version of the unit at that address.

To change the backup directory, click Select Folder in the Backup File Browser. The Select Directory window appears.

Select Directory	×
CollCall Backups	
2008-10-03_1140	00000800.rct
2008-10-07_1041	00000806.rct
C Folder	00000807.rct
	00000808.rct
	00000809.rct
	0000080B.rct
	0000080D.rct
	0000080F.rct
	00000810.rct
	10001003.rct
	1000100C.rct
C:\RollCall Backups	
All Files	
	OK Cancel

To return the backup directory to the system default, click **Default Folder**.

The Backup Window

The Backup window displays the nodes that comprise the RollCall network. From this window, nodes can be selected and their states saved to the Backup directory.

Some nodes logically contain others; for example, gateways contain modules, and bridges contain gateways. Each node is selected individually, and selecting a node does not automatically select the nodes contained within it. However, the toolbars and contextual menus provide several means by which multiple nodes can easily be selected.

Note:

The reason for using the term 'node' as opposed to 'unit' is because nodes and units do not necessarily correspond one-to-one.

For example, in the case of a gateway bridge, the gateway is represented by two nodes in the network – one for the gateway and another for the bridge. Another example is when a node represents something that isn't a unit, such as a RollProxy service or a LogServer.

There are five columns of information for each node in the network.

Name	The name of the node.
Address	The RollCall address of the node.
Туре	The node type.
ID	The RollCall ID of the node.
Version	The current version of the node.

To change the displayed columns, right click on the column header bar.

📄 🛛 🛅 C:\RollCall Backups\				
Name	d Nama	Address		
🖃 🥅 🖾 🛛 Mar	M Name	0000:08:0		
	🗹 Address	0000:08:0		
	🗹 Туре	0000:08:0		
	🗹 ID	0000:08:0		
	🗹 Version	0000:08:0		
	TQJUHUZ	0000:08:0		
	TOSDA02	0000:08:0		

In addition to the information displayed in the main columns, at the bottom of the window, there are two additional pieces of information.

Node count	This displays the number of nodes currently detected in the network.
Nodes selected	This displays the number of nodes that are currently selected.

Changing the Network View



The Toggle List/Tree View button toggles the network list view between the default tree view and a flat list.

Tree View

Name		Address	Туре
🖃 🗐 📾 🛛 Martin's	Rack (52)	0000:08:00	IQH3UM
📄 🎫 🛛 NO	TRollCall 3!	0000:08:01	
	QCIQDEV00	0000:08:02	Dev KO:
04:	IQSYN20	0000:08:04	IQSYN2
🔜 🎫 05:3	IQSYN20	0000:08:05	IQSYN2
IQS — 🔲 🎫 IQS	DA02	0000:08:06	IQSDA0
IQS — 🔲 🎫 IQS	DA02	0000:08:07	IQSDA0
IQD	SDRR	0000:08:08	IQDSDR
IQD 🔤 📰 IQD	NRS	0000:08:09	IQD1NR
IQS — 🔲 🎫 IQS	YNOO	0000:08:0B	IQSYN0
IQM	1UX01	0000:08:0D	IQMUXC
IQM 📃 🛄 IQM	1UX11	0000:08:0F	IQMUX1
🖕 🔲 📾 🛛 Martin's	Rack (51)	0000:09:00	IQH3UM
IQS — 🔲 🎫 IQS	DA02	0000:09:05	IQSDA0
IQS — 🔲 🎫 IQS	DA02	0000:09:06	IQSDA0
IQD 🔤 📰 IQD	ARCS	0000:09:09	IQDARC
🗌 🔚 🔜 🛛 QCI	IQDEV00	0000:09:0D	Dev KO:
IQS 📃 🔚 IQS	PIOO	0000:09:0E	IQSPIO
🖕 🥅 📾 🛛 Martin's	Rack (50)	0000:11:00	IQH3UM
- 📃 🎫 NO	TRollCall 3!	0000:11:01	
IQD	MSDD	0000:11:04	IQDMSE
IQD	EC04	0000:11:05	IQDEC0
IQD	EC03	0000:11:07	IQDEC0
IQS 📃 🔚 IQS	DA11	0000:11:08	IQSDA1
IQD	MSDP	0000:11:0A	IQDMSE
IQD	1DAC2-F-0	0000:11:0⊂	IQD1DA
- 🗌 🎫 IQM	1UX43	0000:11:0F	IQMUX4

	Name	Address	Туре
	Martin's Rack (52)	0000:08:00	IQH3UM4
	NOT RollCall 3!	0000:08:01	
	02:QCIQDEV00	0000:08:02	Dev KOS
	04:IQSYN20	0000:08:04	IQSYN20
	05:IQSYN20	0000:08:05	IQSYN20
	IQSDA02	0000:08:06	IQSDA02
	IQSDA02	0000:08:07	IQSDA02
	IQDSDRR	0000:08:08	IQDSDRF
	IQDNRS	0000:08:09	IQD1NR9
	IQSYN00	0000:08:0B	IQSYN00
	IQMUX01	0000:08:0D	IQMUX01
	IQMUX11	0000:08:0F	IQMUX11
	Martin's Rack (51)	0000:09:00	IQH3UM4
	IQSDA02	0000:09:05	IQSDA02
	IQSDA02	0000:09:06	IQSDA02
	IQDARCS	0000:09:09	IQDARCS
	QCIQDEV00	0000:09:0D	Dev KOS
	IQSPI00	0000:09:0E	IQSPI00
	Martin's Rack (50)	0000:11:00	IQH3UM4
	NOT RollCall 3!	0000:11:01	
	IQDMSDD	0000:11:04	IQDMSDI
	IQDEC04	0000:11:05	IQDEC04
	IQDEC03	0000:11:07	IQDEC03
	IQSDA11	0000:11:08	IQSDA11
	IQDMSDP	0000:11:0A	IQDMSDF
	IQD1DAC2-F-0	0000:11:0⊂	IQD1DA(
	IQMUX43	0000:11:0F	IQMUX43
0		and a second sec	

When in list view, the view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order.

Selecting Nodes

Nodes can either be selected individually, or by means of a contextual menu, which is opened by right clicking on a node.

Name Address Typ Martin's Rack (52) 0000:07:00 IQF U U2:QCIQDEV00 0000:07:02 Dev U2:QCIQDEV00 0000:07:02 Dev Dev U2:QCIQDEV00 0000:07:02 Dev Dev U2:QCIQDEV00 0000:07:05 IQS U2:QCIQDEV00 0000:07:05 IQS U2:QCIQDEV00 0000:07:06 IQS U2:QCIQDEV00 0000:07:07 IQS U2:QDSDRR 0000:07:08 IQC U2:QDNRS 0000:07:09 IQC U2:QDNRS 0000:07:08 IQC U2:QNUX01 0000:07:00 IQN U2:QNUX01 0000:07:00 IQN U2:QNUX01 0000:07:8C Roll U2:QPC-SLP-EN-02104 0000:07:8D Roll U2:QPC-SLP-EN-02415 0000:07:8E RC3 U2:QPC-SLP-EN-02415 0000:07:8E RC3 U2:QPC-SLP-EN-02723 0000:07:8F Roll U2:QPC-SLP-IS-02723 00000:07:8F Roll	
Martin's Rack (52) 0000:07:00 IQH Image: Constraint of the store 02:QCIQDEV00 0000:07:02 Dev Image: Constraint of the store 03:IQSN20 0000:07:05 IQS Image: Constraint of the store 03:IQSN20 0000:07:06 IQS Image: Constraint of the store 03:IQSDA02 0000:07:07 IQS Image: Constraint of the store 000:07:07 IQS IQS Image: Constraint of the store 000:07:08 IQC Image: Constraint of the store 000:07:08 IQC Image: Constraint of the store 000:07:09 IQC Image: Constraint of the store 03:IQSDA02 000:07:00 IQN Image: Constraint of the store 03:IQSDA02 Select Deselect Image: Constraint of the store 03:IQSDA02 Select all Select all Image: Constraint of the store 03:IQSDA02 Select all Select all	
Image: Control of the store of the stor	3UM4-S
Image: Singer Wide wide wide wide wide wide wide wide w	KOS unit
Image: Select all of this type Image: Select all of this type Image: Select all of this type Image: Select all of this type	'N20
IQSDA02 0000:07:07 IQS IQDSDRR 0000:07:08 IQE IQDNRS 0000:07:09 IQE IIII IQDAFS 0000:07:00 IQE IIII IQDAFS 0000:07:8C Roll IIII PC-SLP-EN-02104 0000:07:8D Roll IIII PC-SLP-EN-02415 0000:07:8D Roll IIII PC-SLP-IS-02723 0000:07:8E RCI IIII PC-SLP-IS-02723 0000:07:8F Roll IIII PC-SLPACS Select Deselect IIII PC-SLPACS Select all Deselect all IIII PC-SLPIN IIIII PC-SLPIN Select all IIIIIIIII PC-SLIPEN Select all <th>A02</th>	A02
IQDSDRR 0000:07:08 IQL IQDNRS 0000:07:09 IQL IQDNRS 0000:07:0B IQL IQDNRS 0000:07:0B IQL IQDNRS 0000:07:0D IQL IQDNUX01 0000:07:0D IQN IQDNUX01 0000:07:8C Roll IQDNUX01 0000:07:8D Roll IQDNUX01 0000:07:8E RC IQDNUX01 0000:07:8F Roll IQDNUX01 IQN IQN IQDUNX02 IQDNUX02 IQUNX02 IQDNUX02 IQDNUX02 IQN IQDNUX02 IQN IQN IQDNUX02 IQN IQN IQDUNX02 IQUNX02 IQUNX02 IQDNUX02 IQN IQN IQDNUX02 IQN IQN IQUNX02 IQN	A02
IQDNRS 0000:07:09 IQL I11:IQDAFS 0000:07:0B IQL IQMUX01 0000:07:0D IQN I11:IQDAFS 0000:07:8C Roll I11:IQDAFS 0000:07:8D Roll I11:IQDAFS 0000:07:8E RC: I11:IQDAFS 0000:07:8F Roll I11:IQDAFS 0000:07:8F Roll I11:IQDAFS Select Deselect I11:IQDARCS Select all Deselect all I11:IQDARCS I11:IQDARCS Select all I11:IQDARCS I11:IQDEV00 IIIII I11:IQDEV00 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	SDRR
Image: Select all Image: Select all Image: Select all Image: Select all Image: Select all Image: Select all Image: Select all Image: Select all	INRS
Image: Select all of the select all units of this type	AFS
Image: Select all of the stree Image: Select all of the stree Image: Select all of the stree Image: Select all of the stree	JX01
Image: PC-SLP-EN-02104 0000:07:8C Roll Image: PC-SLP-EN-02415 0000:07:8D Roll Image: PC-SLP-IS-02723 0000:07:8E RC: Image: PC-SLP-IS-02723 0000:07:8F Roll Image: PC-SLP-IS-02723 Deselect Deselect Image: PC-SLP-IS-02723 Image: PC-SLP-IS-02723 Deselect all Image: PC-SLP-IS-02723 Image: PC-SLP-IS-02723 Deselect all Image: PC-SLP-IS-02723 Image: PC-SLP-IS-02723 Deselect all <	'N00
Image: PC-SLP-EN-02415 0000:07:8D Roll Image: PC-SLP-IS-02723 0000:07:8E RC: Image: PC-SLP-IS-02723 0000:07:8F Roll Image: PC-SLP-IS-02723 Deselect Deselect Image: PC-SLP-IS-02723 Deselect Deselect Image: PC-SLP-IS-02723 Deselect all Deselect all Image: PC-SLP-IS-02723 Image: PC-SLP-IS-02723 Deselect all	roxy Servic
Image: Select all of the stree Image: Select all of the stree Image: Select all of the stree Image: Select all of the stree	roxy Servic
PC-SLP-IS-02723 0000:07:8F Roll Martin's Rack (51) Select Deselect 06:IQSDA02 Select Deselect 10:IQSDA02 Select all Select all 11:QCIQDEV00 Select all Select all	2 LogServer
Martin's Rack (51) Martin's Rack (51) Select Deselect Deselect all Deselect all Select all S	roxy Servic
Image: Select Image: Select Image: Select I	
Image: Constraint of this type	02
Image: Select all Image: Select all	_02
Image: Select all select al	CS
Select all units of this type)S unit
Select all times to the	-0
PC-SLP-EN-02104	xy Servic
PC-SLP-IS-02723 Deselect all units of this type	xy Servic
Martin's Rack (50) Select all units with restorable memories	M4-S
RollNetIpShare Select all units without restorable memories	lout. IPS
Select Branch	
Deselect Branch	
Remote Disconnect All	

The options in the contextual menu are:

- Select: Selects a single node.
- **Deselect:** Deselects a single mode.
- Select all: Selects the entire network.
- **Deselect all:** Deselects the entire network.
- Select all units of this type: Selects all units of a type. For example, right clicking on an IQSDA02 and choosing this option selects all IQSDA02 modules on the network.
- **Deselect all units of this type:** Deselects all units of a type. For example, right clicking on an IQSDA02 and choosing this option deselects all IQSDA02 modules on the network.
- Select Branch: Selects everything contained within a branch of the network. For example, right-clicking on a Gateway in the list, and choosing this option, will select everything contained within the Gateway.

- **Deselect Branch:** Deselects everything contained within a branch of the network. For example, right-clicking on a Gateway in the list, and choosing this option, will deselect everything contained within the gateway.
- **Remote Disconnect All:** This option disconnects all busy control sessions. Note that this option disconnects sessions without warning to other users and should be used with care.

Performing a Backup

After selecting the nodes to be backed up, click **Next** at the bottom of the window.

When the **Next** button is clicked, the network list is replaced by a table containing only the units that have been selected. Two new columns are displayed: In Cache and Status.

The In Cache column indicates whether there is a cached copy of the unit's template and menu set. The Status column provides feedback during the actual save operation.

					Backup	
Name	Address	Туре	ID	Version	In Cache	Status
Martin's Rack (52)	0000:07:00	IQH3UM4-S	429	6.02.16		
02:QCIQDEV00	0000:07:02	Dev KOS unit	197	129.0.129		
05:IQSYN20	0000:07:05	IQSYN20	344	8.2.13	Template + Menus	
IQSDA02	0000:07:06	IQSDA02	464	5.5.8		
IQSDA02	0000:07:07	IQSDA02	464	5.4.8		
IQDSDRR	0000:07:08	IQDSDRR	181	5.0.5		
IQDNRS	0000:07:09	IQD 1NRS	128	5.5.8		
11:IQDAFS	0000:07:0B	IQDAFS	113	7.3a.11	Template	
IQMUX01	0000:07:0D	IQMUX01	355	5.22.6		
16:IQSYN00	0000:07:10	IQSYN00	349	5.23.7		
Martin's Rack (51)	000:08:00	IQH3UM4-S	429	5.17.16		
05:IQSDA02	0000:08:05	IQSDA02	464	5.4.8		
06:IQSDA02	0000:08:06	IQSDA02	464	5.5.8		
09:IQDARCS	0000:08:09	IQDARCS	200	5.2.6		
13:QCIQDEV00	0000:08:0D	Dev KOS unit	197	129.0.129		
14:IQSPI00	0000:08:0E	IQSPI00	477	6.6F.1		
Martin's Rack (50)	0000:11:00	IQH3UM4-S	429	6.02.16		
RollNetIpShare	0000:84:00	RC32 Rout, IPSh Svr	482	4.2.1		
Unit count = 18						
< Back	Save	Fill Cache				Main Menu

The view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order (by address).

To start the save operation, click the **Save** button. A confirmation dialog appears. Verify that the save operation will save the selected nodes to the correct directory, and click **OK** to proceed.



The save operation commences and a running report of the operation appears in the Status Column. The save firstly downloads any non-cached templates followed by any non-cached menus. Then it downloads the current state for each unit. Statistics are compiled at the bottom of the screen - Unit count, Units saved, Units saved with errors, Units without Savesets, Units failed.

When the operation is complete, a dialog appears providing the option to view the log immediately, or simply proceed. Click **View Log** to view the log, or click **OK** to close the dialog.

Alternatively, if there were any failed saves, a dialog appears providing the option to retry the failed operations.

Fill Cache

The Fill Cache option loads the templates and menus for the selected units without saving. This may be useful when configuring large networks.

Restore

The Restore menu provides access to RollMechanic's restoration functions.

To access the Restore menu, click Restore on the main menu.

C:\Documents and Settings\All User	s\.snellwilcox\controlpanel\sa	avesets\		
•	Address	Туре	ID	Version
🔲 🗁 🛛 Martin's Rack (52)	0000:08:00	IQH3UM4-S	429	6.0S.15
— 🥅 🎆 🛛 NOT RollCall 3!	0000:08:01		65535	0.0.0
— 🥅 🎫 🋕 02:QCIQDEV00	0000:08:02	Dev KOS unit	197	129.0 .129
— 🥅 🎫 🍦 04:IQSYN20	0000:08:04	IQSYN20	344	6.1.5
— 🥅 🎫 🍦 05:IQSYN20	0000:08:05	IQSYN20	344	6.1.5
— 🥅 🎫 🍦 IQSDA02	0000:08:06	IQSDA02	464	5.5.8
— 🥅 🎫 🍦 IQSDA02	0000:08:07	IQSDA02	464	5.4 .8
- 🔲 🎫 IQDSDRR	0000:08:08	IQDSDRR	181	5.0.5
- 🔲 🎫 IQDNRS	0000:08:09	IQD1NRS	128	5.5.8
— 🥅 🎫 🍦 IQSYN00	0000:08:0B	IQSYN00	349	5.23.7
- IQMUX01	0000:08:0D	IQMUX01	355	5.22.6
IQMUX11	0000:08:0F	IQMUX11	359	5.22.6
🗌 🝙 🛛 Martin's Rack (51)	0000:09:00	IQH3UM4-S	429	5.14.14
IQSDA02	0000:09:05	IQSDA02	464	5.4 .8
- IQSDA02	0000:09:06	IQSDA02	464	5.5.8
- IQDARCS	0000:09:09	IQDARCS	200	5.2.6
	0000:09:0D	Dev KOS unit	197	129.0 .129
IQSPIO0	0000:09:0E	IQSPI00	477	6.6F.1
🗏 👼 Martin's Rack (50)	0000:11:00	IQH3UM4-S	429	6.05.15
MI MOT RollCall 3!	0000:11:01		65535	0.0.0
	0000:11:04	IQDMSDD	32	6.2 .8
- IQDEC04	0000:11:05	IQDEC04	416	5.21.16
- IODEC03	0000:11:07	IQDEC03	415	5.21.16
IQSDA11	0000:11:08	IQSDA11	437	5.2.6
	0000:11:0A	IQDMSDP	101	6.9.8
- IQD1DAC2-F-0	0000:11:0C	IQD1DAC2	34	5.4 .7
- IQMUX43	0000:11:0F	IQMUX43	390	8.1.14
EN-02104	0000:11:8C	RollProxy Service	305	4.0.0
- 🥅 🇱 MartinRollMechanic	0000:11:8D	RC32 RollMechanic	501	0.0.0
- 🦳 🏧 KevinRollMechanic	0000:11:8E	RC32 RollMechanic	501	1.0.11
	0000:30:00	TOSPION	477	6.6E.1
de count = 32 Nodes s	elected = 0			

To return to the main menu at any time, click **Main Menu** in the lower-right corner of the window.

Specifying a Restore Directory

The current Restore directory is displayed at the top of the window. The process for changing this directory is the same as that for changing the Backup directory. See page 38.

The Restore Window

The Restore window displays the same information about the nodes on the network as the Backup window. See page 39.

Changing the Network View

The process for changing the view of the Restore window is the same as that for the Backup window. See page 40

Selecting Nodes

The process for selecting nodes in the Restore window is the same as that for the Backup window. See page 42.

Performing a Restoration

After selecting the nodes to be restored, click **Next** at the bottom of the window.

When the **Next** button is clicked, a dialog appears providing the option to restore from Savesets or Memory.

Restore	×
Please select a restore method	
Restore Savesets Restore memory	

For more information about savesets and memory, see *Savesets and Memory* on page 6.

Some units do not support memory restore. In this case the Restore memory option is grayed out.

The advantage to using memory restore is that it will recall any user memories that have been defined, which savesets do not. On the other hand, the disadvantage of using memory restore is that some unit types require restart to complete the operation.

Restore Savesets

After selecting the restore method, the network list is replaced with a table containing only the units that have been selected. The Saveset and Memory columns are replaced with two new columns: In Cache and Status.

Restore Savesets						
Name	Address	Туре	ID	Version	In Cache	Status
Martin's Rack (51)	0000:09:00	IQH3UM4-S	429	5.14.14	Menus	
IQSDA02	0000:09:05	IQSDA02	464	5.4.8	Menus	
IQSDA02	0000:09:06	IQSDA02	464	5.5.8	Menus	
IQDARCS	0000:09:09	IQDARCS	200	5.2.6	Menus	
QCIQDEV00	0000:09:0D	Dev KOS unit	197	129.0 .129	Menus	
IQSPI00	0000:09:0E	IQSPI00	477	6.6F.1	Menus	
Unit count = 6						
< Back	Restore					Main Menu

The In Cache column indicates whether there is a cached copy of the unit's menu set (the template is not required for the restore operation). The Status column provides feedback during the actual restore operation.

The view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order (by address).

To start the restore operation, click the **Restore Savesets** button. A confirmation dialog appears. Within the dialog, the option, **Allow restore for different command set version**, is presented. If this option is not selected, the ID and CmdSet in the backup file must match the ID and CmdSet of the unit being restored to. If this option is selected, this requirement is relaxed, and the CmdSet is ignored.

Restore Confirmation >	٢.
C:\Documents and Settings)All Lisers) spellwilcov\controlpanel\savesets)	
Chipocamento and Securiga (All Obers (Canel of Canel of Dane) Seveses (
Allow restore for different command set version	
OK Cancel	

Verify that the restore operation will be made from the correct directory and click **OK** to proceed.

The restore operation commences and a running report of the operation appears in the Status Column.

When the operation is complete, a dialog appears providing the option to view the log immediately, or simply proceed. Click **View Log** to view the log, or click **OK** to close the dialog.

Alternatively, if there were any failed restorations, a dialog appears, providing the option to retry the failed operations.

Restore Memory

After selecting the restore method, the network list is replaced with a table containing only the units that have been selected. The Saveset and Memory columns are replaced with two new columns: Restart Required and Status.

The Restart Required column indicates whether the unit will be restarted during the restore operation. The Status column provides feedback during the actual restore operation.

				Restore Me	mory	
Name	Address	Туре	ID	Version	Restart Required	Status
Martin's Rack (51)	0000:09:00	IQH3UM4-S	429	5.14.14	n/a	
IQSDA02	0000:09:05	IQSDA02	464	5.4.8	Yes	
IQSDA02	0000:09:06	IQSDA02	464	5.5.8	Yes	
IQDARCS	0000:09:09	IQDARCS	200	5.2.6	Yes	
QCIQDEV00	0000:09:0D	Dev KOS unit	197	129.0.129	n/a	
IQSPI00	0000:09:0E	IQSPI00	477	6.6F.1	n/a	
Unit count = 6						
< Back	Restore					Main Menu

The view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order (by address).

To start the restore operation, click the **Restore Memory** button. A confirmation dialog appears. Within the dialog, two options are presented:

- Allow restore for different command set version. If this option is not selected, the ID and CmdSet in the backup file must match the ID and CmdSet of the unit being restored to. If this option is selected, this requirement is relaxed, and the CmdSet is ignored.
- Allow unit restart. If this option is selected, all units that require restart will be automatically restarted. If it is not selected, RollMechanic will not restart any units, and those units requiring a restart to complete the operation will not be restored.

Restore Confirmation X
Restore from: C:\Documents and Settings\All Users\.snellwilcox\controlpanel\savesets\
Allow restore for different command set version Allow unit restart
OK Cancel

Verify that the restore operation will be made from the correct directory and click **OK** to proceed.

The restore operation commences and a running report of the operation appears in the Status column.

When the operation is complete, a dialog appears providing the option to view the log immediately, or simply proceed. Click **View Log** to view the log, or click **OK** to close the dialog.

Alternatively, if there were any failed restorations, a dialog appears, providing the option to retry the failed operations.

Clone

h

The purpose of the clone function is to propagate the settings of one unit on the network to one or more other units. The clone option copies the settings from a specified backup file to all selected units. A clone operation is very similar to a restoration in that it takes the information stored in the backup file and restores the settings to the selected units.

Where the units are of the same type, the clone operation can be performed using either savesets or memory. However, where the units are of different types, the clone operation can only be performed using savesets.

To access the Clone menu, click **Clone** on the main menu, and then select units as required.

		Clone			
Name	Address	Туре	ID	Version	
🖃 🗩 🛛 Martin's Rack (52)	0000:08:00	IQH3UM4-S	429	6.0S.15	^
— 🥅 🌃 🛛 NOT RollCall 3!	0000:08:01		65535	0.0.0	
	0000:08:02	Dev KOS unit	197	129.0 .129	
	0000:08:04	IQSYN20	344	6.1.5	
— 🥅 🎫 05:IQSYN20	0000:08:05	IQSYN20	344	6.1.5	
- 🔲 🎫 IQSDA02	0000:08:06	IQSDA02	464	5.5.8	
- 🔲 🎫 IQSDA02	0000:08:07	IQSDA02	464	5.4.8	
- 🔲 🎫 IQDSDRR	0000:08:08	IQDSDRR	181	5.0.5	
- 🔲 🎫 IQDNRS	0000:08:09	IQD1NRS	128	5.5.8	
- IQSYN00	0000:08:0B	IQSYN00	349	5.23.7	
- 🔲 🎫 IQMUX01	0000:08:0D	IQMUX01	355	5.22.6	
IQMUX11	0000:08:0F	IQMUX11	359	5.22.6	
😑 🗕 🗁 🛛 Martin's Rack (51)	0000:09:00	IQH3UM4-S	429	5.14.14	
- 🔲 🎫 IQSDA02	0000:09:05	IQSDA02	464	5.4.8	
IQSDA02	0000:09:06	IQSDA02	464	5.5.8	
- 🔲 🎫 IQDARCS	0000:09:09	IQDARCS	200	5.2.6	
- CIQDEV00	0000:09:0D	Dev KOS unit	197	129.0 .129	
IQSPIOO	0000:09:0E	IQSPI00	477	6.6F.1	
😑 🗕 🗁 🛛 Martin's Rack (50)	0000:11:00	IQH3UM4-S	429	6.0S.15	
- 🔲 🌃 NOT RollCall 3!	0000:11:01		65535	0.0.0	
- 🔲 🎫 IQDMSDD	0000:11:04	IQDMSDD	32	6.2.8	
- 🔲 🎫 IQDEC04	0000:11:05	IQDEC04	416	5.21.16	
- 🔲 🎫 IQDEC03	0000:11:07	IQDEC03	415	5.21.16	
IQSDA11	0000:11:08	IQSDA11	437	5.2.6	
- 🔲 🎫 IQDMSDP	0000:11:0A	IQDMSDP	101	6.9.8	
- 🔲 🎫 IQD1DAC2-F-0	0000:11:0C	IQD1DAC2	34	5.4.7	
IQMUX43	0000:11:0F	IQMUX43	390	8.1.14	~
Node count = 31 Nodes sel	lected = 0				
Next >				Main	Menu

When the **Next** button is clicked:

- If the selected units are of the same type, the Clone From window appears.
- If the selected units are of different types, a warning appears, stating that the units are not of the same type. Click **Yes** to continue, or **No** to cancel the operation. On clicking **Yes**, the Clone From window appears.

C RollCall Backups	
Folder 100000810.rct 00000800.rct 10001003.rct 00000807.rct 1000100C.rct 00000807.rct 1000100E.rct 00000809.rct 00000809.rct 00000809.rct 00000808.rct 00000808.rct 3 00000808.rct 1000100E.rct 00000808.rct 1000100E.rct 00000808.rct 1000100E.rct	Unit type = IQMUX11 Unit Id = 359 CmdSet = 6
0000080F.rct	
Backup File (.rct)	(

The Clone From window contains a list of the backup files in the backup directory. If required, the Clone From window can be used to select a different directory. Click on a backup file to select it. When a file is selected, its details (Unit type, Unit ID, and CmdSet) are shown on the right of the window. When the correct file is selected, click **OK** to proceed.

When the button is clicked, a dialog appears providing the option to restore from Savesets or Memory.

Restore	×
Please select a restore method	
Restore Savesets Restore memory	

Note:

If the units are not of the same type, they cannot be cloned from memory – only savesets can be used.

Clone from Savesets

Click **Restore Savesets**. A table showing the selected units is displayed. This table is identical to the one displayed when performing a restore from saveset operation; but, additionally, it provides the option to filter the saveset so that only certain commands are cloned from the backup file.

				Clone S	avesets	
Name	Address	Туре	ID	Version	In Cache	Status
IQSDA02	0000:09:05	IQSDA02	464	5.4.8	Menus	
IQSDA02	0000:09:06	IQSDA02	464	5.5.8	Menus	
Unit count =	2					
< Back	Restore	Filter				Main Menu

The view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order (by address).

To filter the saveset, click the **Filter** button. The Saveset Filter window is displayed,

Open Save				
eSets		SaveSetArrays		
Select all 🛛 🔒 Deselect all		🖉 Select all 🛛 🗧	Deselect all	
Command	Name	Index	Command	Name
1203	Max Level Thres	▲ 3001		Channel Index
1205	Outside Window		3010	Fail (secs)
1206	Y Position		3012	Enable Alarm
1207	Height		3008	Level (dB)
1208	X Position		3011	Fail Hold (secs)
1209	Width		3009	Warning (secs)
1212	OS Win En		3004	Fail (secs)
1214	Enable Alarm		3006	Enable Alarm
1215	Fail Count		3002	Level (dB)
1216	Warning Count		3005	Fail Hold (secs)
1217	Fail Hold Count		3003	Warning (secs)
1222	X Position		3016	Fail (secs)
1223	Width		3018	Enable Alarm
1224	Y Position		3014	Level (dB)
1225	Height		3017	Fail Hold (secs)
1226	Min Level Thres		3015	Warning (secs)
1227	OS Win En		3022	Fail (secs)
5002	Indicators		3024	Enable Alarm
1229	Outside Window		3020	Level (dB)
1231	Enable Alarm		3023	Fail Hold (secs)
1232	Fail Count		3021	Warning (secs)
1236	Enable Alarm	1415		Index
1237	Fail Count		1417	Address
1362	Fail Count		1418	Command
1233	Warning Count	\checkmark	1416	Hyperion N/A

Select the commands that will be restored to the selected units. Select All and Deselect All options are available for convenience.

To save the filter file for future use, click **Save**.

To open an existing filter file, click **Open**.

Click OK to proceed.

To start the clone operation, click the **Restore Savesets** button. A confirmation dialog appears. Verify that the restore operation will be made from the correct file and click **OK** to proceed.

Restore Confirmation	×
Restore from: C:\RollCall Backups\2008-1:	0-08_1435\00000906.rct
ОК	Cancel

The restore operation commences and a running report of the operation appears in the Status Column.

When the operation is complete, a dialog appears providing the option to view the log immediately, or simply proceed. Click **View Log** to view the log, or click **OK** to close the dialog.

Alternatively, if there were any failed restorations, a dialog appears, providing the option to retry the failed operations.

Note:

When cloning multiple unit types, additional filtering is also applied. This is to prevent inappropriate values being restored to dissimilar controls that coincidentally share the same command number as that in the backup file.

Clone from Memory

Click **Restore Memory**. A table showing the selected units is displayed. This table is identical to the one displayed when performing a restore from memory operation.

The Restart Required column indicates whether the unit will be restarted during the clone operation. The Status column provides feedback during the actual operation.

	Clone Memory							
Name	Address	Туре	ID	Version	Restart Required	Status		
IQSDA02	0000:09:05	IQSDA02	464	5.4.8	Yes			
IQSDA02	0000:09:06	IQSDA02	464	5.5.8	Yes			
Unit count = 2	2							
< Back	Restore					Main Menu		

The view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order (by address).

To start the clone operation, click the **Restore Memory** button. A confirmation dialog appears. Within the dialog, two options are presented:

 Allow restore for different command set version. If this option is not selected, the ID and CmdSet in the backup file must match the ID and CmdSet of the unit being restored to. If this option is selected, this requirement is relaxed, and the CmdSet is ignored.

• Allow unit restart. If this option is selected, all units that require restart will be automatically restarted. If it is not selected, RollMechanic will not restart any units, and those units requiring a restart to complete the operation will not be restored.

Verify that the restore operation will be made from the correct file and click **OK** to proceed.

Restore Confirmation	<					
Restore from: C:\RollCall Backups\2008-10-08_1435\00000906.rct						
Allow restore for different command set version Allow unit restart						
OK Cancel						

The operation commences and a running report appears in the Status column.

When the operation is complete, a dialog appears providing the option to view the log immediately, or simply proceed. Click **View Log** to view the log, or click **OK** to close the dialog.

Alternatively, if there were any failed restorations, a dialog appears, providing the option to retry the failed operations.

Upgrade

The Upgrade menu function provides access to RollMechanic's upgrade functions.

To access the Upgrade menu, click Upgrade on the main menu.

	Upgrade											
		Name Address Type				-	ID	Hardware Version	Software Version	Updates		
Θ		₩ł	C	oldroo	m 1	0000:01:00	Proxy Virtual Node	306			4.0.0	^
	\pm		Ħ	Rac	k 1	1000:01:00	IQCBRG	19			5.2.6	
	\oplus		Ħ	Rac	k 2	1000:02:00	IQCBRG	19			5.2.6	
	Ξ		₩	Rac	k3	1000:03:00	IQCBRG	19			5.2.6	
		Ξ		a	IQH3UM4-S	1300:03:00	IQH3UM4-S	429		RCIF3U2B.00/	5.17.16	5.16.16
					01:IQDEC	1300:03:01	Unprogrammed unit	327	414 IQDEC02 🗸		2.11.7	
					02:IQDEC02	1300:03:02	IQDEC02	414			5.21.16	
					04:IQDEC02	1300:03:04	IQDEC02	414			5.21.16	
					05:IQDEC02	1300:03:05	IQDEC02	414			5.21.16	
					06:IQDEC02	1300:03:06	IQDEC02	414			5.21.16	
					07:IQDEC02	1300:03:07	IQDEC02	414			5.21.16	
		÷			IQH3UM3(-E)	1300:30:00	Unprogrammed unit	327	444 IQH3UM3 🗸		2.18.7	3.14 .16
		÷		N	IQH1U3	1300:31:00	IQH1U3	441		RCIF1U2A.00/	3.14.16	
		÷			IQH3UM3-E	1300:32:00	IQH3UM3-E	445		RCIF3U2Y.00/	3.14.16	3.14 .16
		÷		N	IQH1U-RC	1300:33:00	IQH1U	13			5.17.14	
		÷			IQH1U-RC	1300:34:00	IQH1U	13			5.17.14	
		÷		_	IQH3UM3-E	1300:35:00	IQH3UM3-E	445		RCIF3U2Y.00/	3.14.16	3.14.16
		\pm		_	IQH1U-RC	1300:37:00	IQH1U	13			5.17.14	
		÷		S	IQH1U-RC	1300:38:00	IQH1U	13			5.17.14	
		\pm		_	IQH3UM3	1300:39:00	IQH3UM3	444		RCIF3U2Y.00/	3.14.16	3.14.16
		÷		S	IQH1U-RC	1300:3A:00	IQH1U	13			5.17.14	
		÷		S	IQH3UM3-E	1300:3B:00	IQH3UM3-E	445		RCIF3U2Y.00/	3.14.16	3.14.16
		÷		S	IQH1U-RC	1300:3C:00	IQH1U	13			5.17.14	
		÷		S	IQH3UM3-E	1300:3D:00	IQH3UM3-E	445		RCIF3U2Y.00/	3.14.16	3.14.16
		÷		S	IQH3UM3-E	1300:3E:00	IQH3UM3-E	445		RCIF3U2Y.00/	3.14.16	3.14.16
		÷		S	IQH3UM3-E	1300:3F:00	IQH3UM3-E	445		RCIF3U2Y.00/	3.14.16	3.14.16
		÷		S	IQH3UM3-E	1300:40:00	IQH3UM3-E	445		RCIF3U2Y.00/	3.14.16	3.14.16
		÷		S	RollNetIpShare	1300:84:00	RC32 Rout, IPSh Svr	482			4.2.1	
					IQ1U-FRONT PANEL	1300:F4:00	IQ1U-FRONT PANEL	12			7.1.9	
					IQ1U-FRONT PANEL	1300:F5:00	IQ1U-FRONT PANEL	12			135.1.9	
					IQ1U-FRONT PANEL	1300:F6:00	IQ1U-FRONT PANEL	12			6.3.8	
					IQ1U-FRONT PANEL	1300:F7:00	IQ1U-FRONT PANEL	12			6.0.7	~
N	lode o	ount	t = 6	4	Units s	elected = 0						
	Nex	t >										Main Menu

To return to the main menu at any time, click **Main Menu** in the lower-right corner of the window.

The Upgrade Window

When you open the Upgrade menu, the Upgrade window appears. This window is a repeat of the *Network List* (see page 25) with additional columns – Hardware Version, which only applies to some modules, and Updates. The Updates column shows a list of updates available for the modules.

Note:

In the Updates column, the latest upgrade package is selected by default. This can be changed for an individual unit by clicking on its update cell and choosing another upgrade package from the drop down list.

Changing the Network View

The Toggle List/Tree View button toggles the Upgrade window view between the default tree view and a flat list.



List View

 Name	Address	Туре
Martin's Rack (52)	0000:08:00	IQH3UM4
NOT RollCall 3!	0000:08:01	
02:QCIQDEV00	0000:08:02	Dev KOS
04:IQSYN20	0000:08:04	IQSYN20
05:IQSYN20	0000:08:05	IQSYN20
IQSDA02	0000:08:06	IQSDA02
IQSDA02	0000:08:07	IQSDA02
IQDSDRR	0000:08:08	IQDSDRF
IQDNRS	0000:08:09	IQD1NR5
IQSYN00	0000:08:0B	IQSYN00
IQMUX01	0000:08:0D	IQMUX01
IQMUX11	0000:08:0F	IQMUX11
Martin's Rack (51)	0000:09:00	IQH3UM4
IQSDA02	0000:09:05	IQSDA02
IQSDA02	0000:09:06	IQSDA02
IQDARCS	0000:09:09	IQDARCS
QCIQDEV00	0000:09:0D	Dev KOS
IQSPI00	0000:09:0E	IQSPI00
Martin's Rack (50)	0000:11:00	IQH3UM4
NOT RollCall 3!	0000:11:01	
IQDMSDD	0000:11:04	IQDMSDI
IQDEC04	0000:11:05	IQDEC04
IQDEC03	0000:11:07	IQDEC03
IQSDA11	0000:11:08	IQSDA11
IQDMSDP	0000:11:0A	IQDMSDF
IQD1DAC2-F-0	0000:11:00	IQD1DA0
IQMUX43	0000:11:0F	IQMUX43
		- 0-

When in list view, the view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order.

ដ្រែ

Tree View

Name	Address	Туре
🖃 — 🥅 🝙 🛛 Martin's Rack (52)	0000:08:00	IQH3UM
NOT RollCall 3!	0000:08:01	
	0000:08:02	Dev KO:
04:IQSYN20	0000:08:04	IQSYN2
	0000:08:05	IQ5YN2
IQSDA02	0000:08:06	IQSDA0
IQSDA02	0000:08:07	IQSDA0
- 🔲 🎫 IQDSDRR	0000:08:08	IQDSDR
- 🔲 🎫 IQDNRS	0000:08:09	IQD1NR
- 🔲 🎫 IQSYN00	0000:08:0B	IQSYN0
IQMUX01	0000:08:0D	IQMUXC
IQMUX11	0000:08:0F	IQMUX1
🖃 🔲 🗁 🛛 Martin's Rack (51)	0000:09:00	IQH3UM
- 🔲 🎫 IQSDA02	0000:09:05	IQSDA0
IQSDA02	0000:09:06	IQSDA0
- 🔲 🎫 IQDARCS	0000:09:09	IQDARC
- CIQDEV00	0000:09:0D	Dev KO:
IQSPI00	0000:09:0E	IQSPI00
🖃 🔚 🗁 🛛 Martin's Rack (50)	0000:11:00	IQH3UM
- 🔲 🇱 NOT RollCall 3!	0000:11:01	
— 🥅 🎫 IQDMSDD	0000:11:04	IQDMSE
- 🔲 🎫 IQDEC04	0000:11:05	IQDEC0
- 🔲 🎫 IQDEC03	0000:11:07	IQDEC0
- 🔲 🎫 IQSDA11	0000:11:08	IQSDA1
- 🔲 🎫 IQDMSDP	0000:11:0A	IQDMSE
IQD1DAC2-F-0	0000:11:0C	IQD1DA
— 🥅 🎫 IQMUX43	0000:11:0F	IQMUX4

Selecting Nodes

Nodes can either be selected individually, or by means of a contextual menu, which is opened by right clicking on a node.

Select
Deselect
Select all units of this type, with newer upgrade
Deselect all units of this type, with newer upgrade
Select all units with newer upgrade
Deselect all units with newer upgrade
Deselect all

Note:

For units that cannot be upgraded, a shorter menu appears. Nodes without upgrade packages are not selectable. An additional option, **Import Upgrade** from unit, is available for some nodes – see Import Upgrade from Unit on page 61.

The options in the contextual menu are:

- Select: Selects a single node.
- **Deselect:** Deselects a single mode.

- Select all units of this type, with newer upgrade: Selects all units of a type with a newer upgrade available. For example, right clicking on an IQSDA02 and choosing this option selects all IQSDA02 modules on the network with a newer upgrade.
- **Deselect all units of this type, with newer upgrade:** Deselects all units of a type with a newer upgrade. For example, right clicking on an IQSDA02 and choosing this option deselects all IQSDA02 modules on the network with a newer upgrade.
- Select all units with newer upgrade: Selects all units with a newer upgrade available.
- **Deselect all units with newer upgrade:** Deselects all units with a newer upgrade available.
- Deselect all: Deselects all selected units.

When a series of nodes is highlighted, only the Select and Deselect options are available.

Performing an Upgrade

Note:

After selecting the nodes to be upgraded, click **Next** at the bottom of the window.

When the **Next** button is clicked, the network list is replaced by a table containing only the units that have been selected. A new column is displayed: Status. The Status column provides feedback during the upgrade operation.

Upgrade								
Name	Address	Туре	ID	Hardware Version	Software Version	Update	Status	
IQH3UM3(-E)	1100:11:00	Unprogrammed unit	327		2.18.7	3.14.16		
IQH3UM3(-E)	2000:30:00	Unprogrammed unit	327		2.18.7	3.14.16		
IQH3UM3(-E)	2000:32:00	Unprogrammed unit	327		2.18.7	3.14.16		
Physical unit:	5 = 3							
< Back) Upgrade						Main Menu	

The view can be sorted by column. Click on a column header to sort the list by that column; click once more to reverse the sort order; click a third time to return to the default list sort order (by address).

To start the upgrade operation, click the **Upgrade** button. The Confirm Upgrade dialog appears.

Confirm Upgrade

Confirm Upgrade	×					
 Use Optimization Perform Save & Restore Always make a new backup file Use existing backup file, if it exists Use directory: 						
Ose directory. C:\Documents and Settings\All Users\.snell\controlpanel\savesets\ Use Upgrade Mode for routing frames Allow simultaneous upgrades						
OK Cancel						

Use Optimization

When selected, each file in the upgrade package is examined to see if it is already on the unit and whether it has changed; only new and changed files will be copied during the upgrade. This can reduce the amount of time taken to do the upgrade. When deselected, all files in an upgrade package will be copied to the unit.

Perform Save & Restore

When selected, this option restores a unit's current settings from a backup file, during the upgrade. The way the settings are restored depend on which of the following two options is selected:

- Always make a new backup file this either saves the current settings to a new backup file in the specified directory or replaces the existing backup file.
- Use existing backup file, if it exists if there is a backup file with the unit's address in the specified directory, a new backup is not made. Instead, the existing backup file is used. This option reduces time.

Each unit (or module) stores its current settings in a single file in its memory. When a unit is restarted, this file is used to restore the unit to its last known state. During an upgrade, this file is preserved. Whether the file is still valid, depends upon whether the 'command set' has changed. The command set is the last part of the software version:

In general, if any units in the upgrade selection are going to change their command set version, then it is advisable to turn on automatic save and restore.

Use Upgrade Mode for routing frames

A 'routing frame' is a frame that provides part of a physical connection to a target frame or module. All newer frames have 'upgrade mode' control. When this option is selected, some of a frame's activities (thumbnailing, logging and rolltracks) are shut down. This reduces the amount of traffic and processing overhead on the frame, avoiding network errors.

Allow simultaneous upgrades

When selected, this allows more than one unit to be upgraded at a time. When clear, the upgrade process updates the first unit, waits until it completes then updates the next unit (this can take longer).

Note:

Only four modules can be updated per frame and four upgrades per connection. Without these limits, the upgrade may fail.

More Info

This displays information about each option on the Confirm Upgrade dialog.

Upgrade Process

After completing the Confirm Upgrade dialog, click **OK** to proceed.



The dialog settings are saved for next time use. You can cancel an upgrade at any time. See Cancelling an upgrade on page 60.

The upgrade operation commences and a running report of the operation appears in the Status column. The following icon appears at the right of the Status column to indicate the progress of the upgrade for each unit:

A bar appears at the bottom of the Upgrade window, showing the overall progress of the upgrade. Statistics are compiled at the bottom of the screen – Physical unit count, Units upgraded, Units upgraded with warnings, Units failed, Units cancelled.

When the operation is complete, a dialog appears providing the option to view the log immediately, or simply proceed. Click **View Log** to view the log or click **OK** to close the dialog.

Alternatively, if there were any failed upgrades, a new dialog appears providing the option to retry the failed operations.

In the Status column, ticks appear next to each unit that was upgraded successfully. Upgrade information is added to the history. See History on 62.

Cancelling an upgrade

To cancel an upgrade, click **Cancel** at the bottom of the Upgrade window. The Cancel Upgrade dialog appears.



Each of the buttons is described below. The effect of the buttons depends on whether **Allow simultaneous upgrades** was selected in the Confirm Upgrade dialog (see *Allow simultaneous upgrades* on page 59).

	Allow simultaneous upgrades	🗹 Allow simultaneous upgrades
Stop further upgrades	This allows the current upgrade to continue until it finishes but prevents any further upgrades.	This allows the current upgrades to continue until they finish but prevents any further upgrades.
Abort current upgrades	This stops the current upgrade immediately and prevents any further upgrades.	This stops all upgrades immediately and prevents any further upgrades.
Any units whose upgra	ade has been aborted will rev /pe (ID=327).	vert to the

		, ,	
Туре		ID	
Unprogrammed unit	327	444 IOH3UM3	V

To upgrade the unit, select the correct option from the ID drop down list and click **Next**. Follow the instructions for *Performing an Upgrade* on page 57.

Import Upgrade from Unit

This option is available when you right click some nodes on the Upgrade window.

		Name			Address		
Ð	<u>.</u>	IQH3UM4-S	[Select	1100-12-00		
				Delect			
				Deselect			
				Select all uni	ts of this type, with ne	wer u	pgrade
				Deselect all	units of this type, with	newer	r upgrade
				Select all uni	ts with newer upgrade	:	
				Deselect all	units with newer upgra	ide	
				Deselect all			
				Import upgr-	ade from unit		

It creates a software release from the version currently on the unit. Note that this option is only displayed if the unit's version is not already in the list of software releases.

After clicking **Import upgrade from unit** a confirmation message appears. Click **Yes** to continue.

The Import Upgrade dialog is displayed.

Import Upgrade from 1100 to 10:00		×
Saving current software release 5.17.16 Reading \flash\file_crc.txt Reading \flash\applet\applet.htm Reading \flash\applet\appletx.htm Reading \flash\applet\cpa.jar		
ок	Cancel	

A progress bar and icon appear at the top of the dialog box to indicate the progress of the import upgrade.

When the import upgrade process has been completed successfully, a tick appears next to the progress bar.

Click **OK** to complete the process.

History

The History menu provides access to the logs that are recorded when backup, restore and upgrade operations are performed.

To open the History menu, click the **History** button on the Main Menu.

There are two tabs on the page:

- The Log History tab
- The Unit History tab

Log History

The Log History tab displays the log information generated by each backup, restore or upgrade operation. To view a log, select it from the list on the left and it is displayed on the right.

Unit History Log History							
2009-02-16@10.08 2009-02-16@10.08.36 2009-02-16@10.07	SAVE to C:\RollCall Backups\2009-02-16@10.08\ 2009-02-16 10:08:09						
2009-02-16@10.05	1 unit selected 1 unit saved						
2009-02-16@10.04 2009-02-16@10.04.30 2009-02-16@10.04.23	elapsed time = 3 secs						
	Name	Address	Туре	ID	Version	Status	
	01:IQOTR30	0000:23:01		612	5.0.5	Save Complete	

Unit History

The Unit History tab displays the save, restore, backup and upgrade history of each unit. Each unit that has either been backed up or restored is show at the top level of the tree structure on the tab. Expanding the tree structure beneath a unit shows increasing detail about the backup, restore and upgrade actions that have been performed on the unit.



The actions that are recorded on the Unit History tab are:

- Upgrade
- Backup
- Restore
- Restore Plus (includes memories)
- Clone
- Clone Plus (includes memories)

If an action was successful, it is shown in black text.

If an action was cancelled, it is shown in blue text.

If an action was unsuccessful, it is shown in red text.

Contact Information

Service Support

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Snell Ltd. Southleigh Park House, Eastleigh Road, Havant, Hampshire PO9 2PE England

Tel: +44 (0) 2392 489058 Fax: +44 (0) 2392 489057

Web: http://www.snellgroup.com/support

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Manual Revision Record

Date	Version No.	Issue No.	Change	Comments
30/04/08	1	1		Not Released
08/10/08	1	1b	GUI re-design.	Not Released
22/04/09	1	2		First released version
16/11/09	1	3	For software version 1.1	New issue
25/02/10	1	4	Added Redundancy Checking control.	New issue
09/07/10	1	5	Added new licensing features and in situ unit name editing.	New issue
21/01/11	1	6	Added new upgrade features and Software Releases option	New issue