



WAVES

MultiRack

SoundGrid

USER GUIDE

V9.7

Processing Host for Your DiGiCo Console

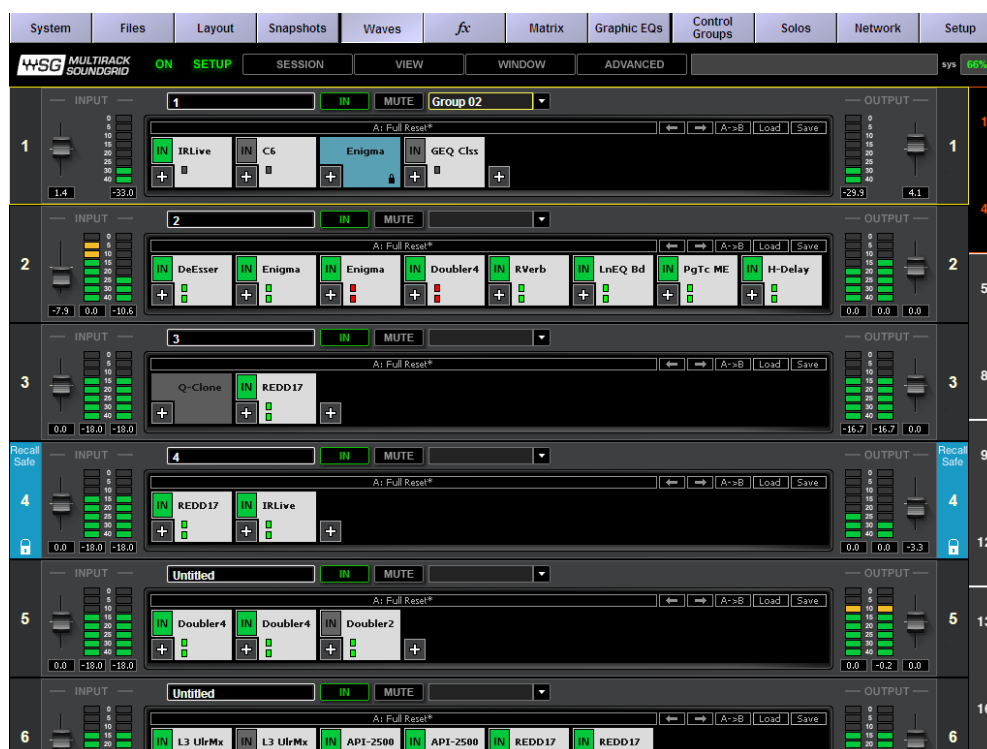


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For information about upgrading software, setup and hardware connections, please refer to the **DiGiCo Full Install** manual: <http://www.waves.com/downloads/digico>

1. The Rack in Detail

The Rack Control Strip

At the top of each Rack, there is a strip which controls the Rack and assigns it to processing groups. The control strip has the following windows and buttons:



In/Out

Disables the Rack's plug-ins and passes the signal directly from Rack **input** to Rack **output**. Typically used for “before and after” comparison or to **bypass processing**.

Mute

Silences the Rack, but doesn't remove it from CPU processing. Muting is performed on the Rack's input to allow reverb tails and delay taps to fade gracefully.

Rack Name

Displays the Rack's name. Double-click to rename.

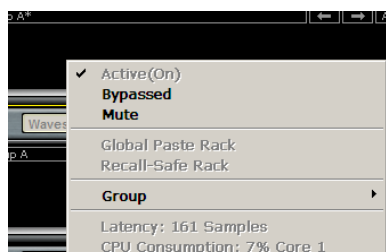
Group Name

(“Drums” in this example)

Refers to a latency alignment group to which the Rack may have been assigned. Use the pull-down menu to assign the Rack to another latency group.

Selecting Racks and Using Keystroke Commands

Using a mouse, right click on the top part of a selected Rack and you will see a pull-down menu that offers several functions:



Active(On)

The Rack is always active.

Bypass

Disables the Rack's plug-in processing and passes the signal from the Rack input to the Rack output.

Mute

Mutes the entire Rack but doesn't remove plug-ins from CPU.

Global Paste Rack

Copies the Rack's parameters from the recalled Snapshot and pastes them into the selected Snapshots when "Global Paste" is selected in the Snapshot Pane. *For example, if your singer has a cold and you need to EQ the vocals differently, Global Paste allows you to change specific settings, then embed these parameter changes into all of the Snapshots you've made, rather than having to adjust each Snapshot separately.* The Global Paste function is discussed in detail in the "Snapshots" section of this manual.

Recall Safe

Places the selected Rack or plug-in into a "safe" mode which protects it from Snapshot recalls. "Recalled Safe" racks or plug-ins are unaffected by all Snapshot recalls, even if a Snapshot has parameters that "should" be changed on Snapshot recall.

Assign the Rack to a latency alignment group

Presents a list of available latency alignment groups from which you can assign a latency group/s to a rack/s.

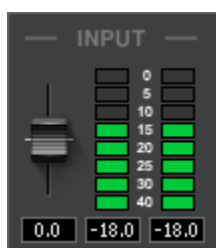
Latency

Displays the Rack's overall latency (accumulated inserted plug-in latencies)

CPU Consumption

Displays the Rack's CPU consumption (usage) on the SoundGrid Server and the core it runs on

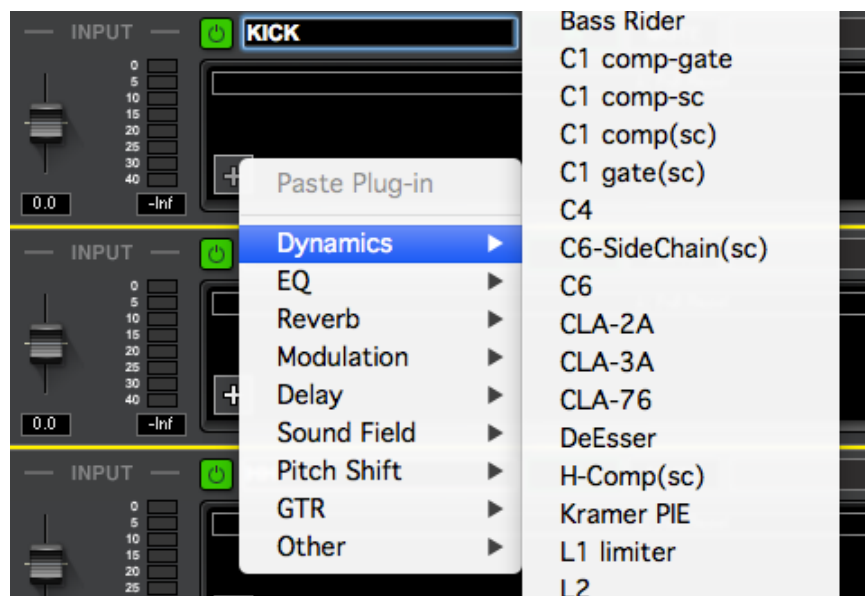
Input and Output Sections



To the right of the Input Rail is the Input Audio Fader, with a range of $\pm 18\text{dB}$.

On the far right side of each Rack are the Output Rail and the Output Audio Fader. Rack audio input and output levels are stored within Snapshots.

2. Adding Plugins to a Rack



To add a plug-in to a Rack, touch the **“plus” (+)** sign to the right of the Input Fader. Select a plug-in from the pull-down menu. An icon representing the plug-in will appear on the Rack, along with a new **“plus” (+)** sign that you can touch to add a new plug-in to the right of the existing one.

Signal flow within a Rack is always from left-to-right.

While in the Main view (or Rack view), you can always change the plug-in sequence within a Rack by grabbing a plug-in and dragging it to the desired location. Each plug-in icon has an **“In”** switch that bypasses the processor without disengaging it from the Rack. There is also a Led indicator on the icon that shows plug-in output state: gray- no signal, green – signal, red- clip.

3. Rack View: Controlling Your Plug-ins

Double touch a plug-in's icon to open its interface and enter MultiRack SoundGrid Rack view.



Here you can adjust each plug-in parameter by selecting the parameter on screen and using the **Touch-n-Turn** knob or toggle to set the selected parameter. Some controls on selected plug-ins might appear too small for touch selection - please use Digico's keyboard with mouse for more precise operation. If you're already familiar with Waves plug-ins, this window will be very easy to use.

At the top of each plug-in window is a **WaveSystem Toolbar**, used to load, save, and compare processor settings. The layout of the **WaveSystem Toolbar** may vary from one plug-in to another. Use this toolbar to save plug-in or Rack-specific presets.





There are two quick ways to move from one plug-in to another within a Rack:

1. Use your keyboard's left and right arrows. This will move you through the list of plug-ins in the Rack, opening each plug-in interface as it is selected.

Note: If you have selected a parameter for editing on the current plug-in, this will not work, and may change the parameter value instead.

2. Touch another plug-in icon. This will move you directly to the new plug-in and open its window.

4. System Toolbar Buttons



Setup A (Setup B)

Toggles between two setups, allowing you to compare different settings. This facilitates quick A/B comparisons and lets you determine which of two settings works best without having to save a preset. An asterisk (*) on the button indicates that changes have been made since a preset was loaded.

A ► B; B ► A

Copies the current settings to the second setup register. The direction of copying is from the currently shown setup to the one not shown.

Load

Here you load factory presets, user presets, and other preset files. Factory presets are permanent elements of the Load popup menu, created by Waves. They cannot be changed or deleted. You can turn the current settings of the plug-in you're using into a user preset by clicking the Save button. User presets can be changed and deleted, and the preset files you save through the toolbar will appear as Load menu presets until you close the preset file or close the plug-in. Some plug-ins have a very large library of presets, too large to display on the main pull-down menu. To load these library files or load presets from external files, select "**Open Preset File.**" Waves preset files are saved with an .XPS extension

Save

Save your plug-in presets here. You can save the current parameters as a user preset in the Preset menu, or create a new file. If you choose to save the preset as a new file — outside the plug-in's Preset menu — WaveSystem will ask you where you want to put it.



Clicking on the Waves logo will bring up the "About This Plug-in" page, providing information about the plug-in.

5. Inserting a Rack into a Channel

Below are two generic examples how you can use Waves plug-ins in your session, as an Insert and through an Aux.

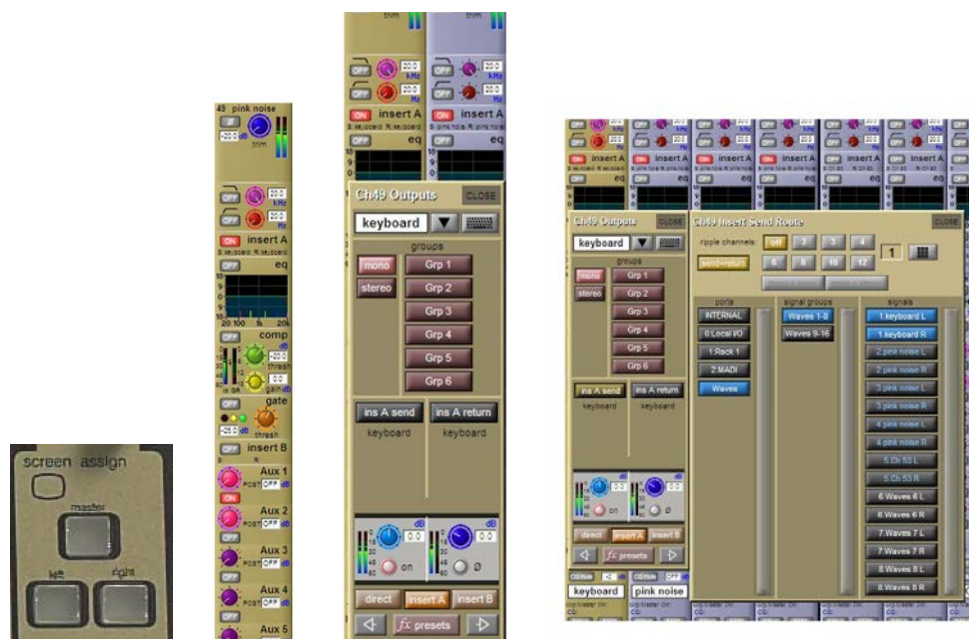
Example 1: Assigning Waves Plugins to a Channel Insert A

To open **Chxx Outputs** dialog you have two options:

1. Press on the console's "**Screen Assign**" Left or Right button, and select the desired channel, then touch **Insert** area to open sub-menu. Tap on **Insert A** on the Touch Screen.
2. Touch **Insert A** on the desired channel to open **Chxx Outputs** routing window.

Set Routing:

1. Click on **Ins A Send**.
2. Set the Insert **On**
3. In **CHxx Insert Send Route** window, click on **send+return**.
4. In the **Ports** column, choose **Waves**.
5. Choose the desired **Signal Group**.
6. Under **Signals**, choose the desired **Waves I/O**.



Example 2: Setting Rack as Parallel FX

For this, we need to use an Aux channel (mono/stereo) and return it to any channel we choose. This means we need two types of channels: An Aux and an Input channel.

The Aux channel:

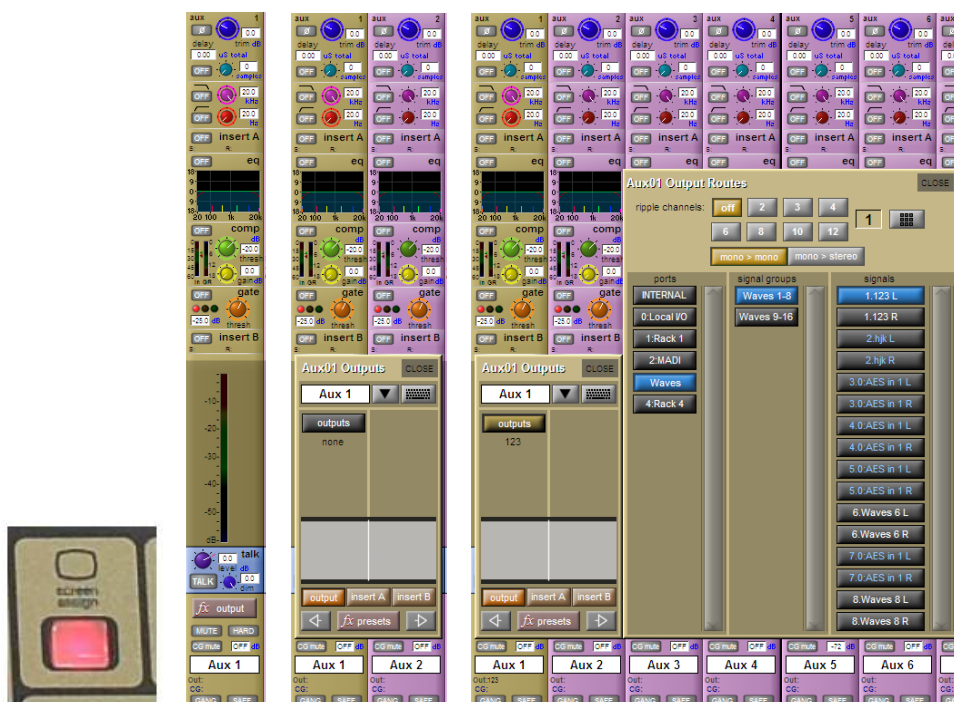
In the example below, we will use **Aux01 (Mono)**.

To open **Aux01 Outputs** dialog you have two options:

1. Open Master channel view by pressing the "**Screen Assign**" on the console's **center** section. Select the desired **Master channel**, and tap on **Outputs**.
2. Touch **Outputs** to open the routing panel for the desired **Master channel**.

Set Routing:

1. Click on **Output**.
2. In the **Ports** column, choose **Waves**.
3. Choose the desired **Signal Group**.
4. Under **Signals**, choose the desired **Waves I/O**.



The FX Return to an Input Channel

In the example below, we will use **Input Channel 12**.

To open **Ch12 Setup** dialog you have two options:

1. Open Channel view by pressing the console's **"Screen Assign"** Left or Right button. Select the desired input channel for the FX Return, and touch **Input** area to open the **Ch12 Setup**.
2. Touch **Input** area to open the **Ch12 Setup** for the desired Input channel.

Set Routing:

1. In **Ch12 Setup** window, click on **Main Input**.
2. In the **Ports** column, choose **Waves**.
3. Choose the desired **Signal Group**.
4. Under **Signals**, choose the **Waves I/O** set for the Aux output from the previous section.



6. Rack Types: Mono, Stereo and Mono to Stereo



Similar to outboard gear, MultiRack SoundGrid Racks are configured to work in different modes:

- **Stereo processing:** Stereo Channel Insert, Master Channel, Stereo Groups, Stereo In-Ears etc...
- **Mono processing:** individual Mono Channels, Mono Aux EQ's etc...
- **Mono to Stereo:** Reverbs, Delays etc...

MultiRack SoundGrid Racks types and names are set via the Console's routing; depending on type of input (mono or stereo) MultiRack will automatically load the correct Rack type.



For Mono to Stereo configuration (Reverb etc...), turn on **mono>stereo** button in the Output Routes when setting an Insert A/B or Output.



Exceptions:

- Un-route mono channel from stereo Rack doesn't change the rack type to mono
- Using ripple channels when patching Waves insert will not affect Rack type.

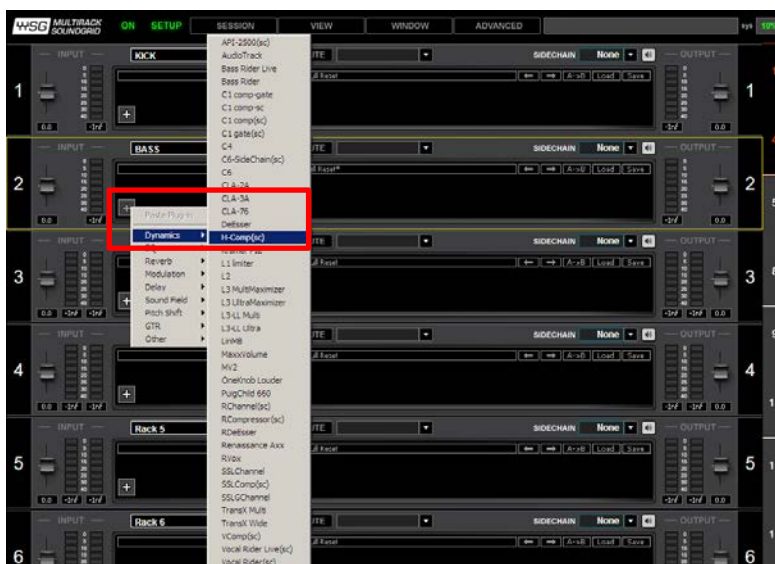
Setting up Side-Chain

Each Rack can be set to receive Side-Chain from the MultiRack inputs. Side-Chain is used by some plug-ins to modify their behavior, e.g. to allow ducking by a compressor plug-in. A stereo Rack can receive a stereo or mono Side-Chain signal, a mono or mono-to-stereo Rack can receive a mono Side-Chain signal.

1. In the Rack top section there is a drop-down menu titled Side Chain. In this menu you set the input that will be feeding the Side-Chain signal to the Rack. Select the input source you want to feed as Side-Chain to the Rack.



2. Insert a plug-in with Side-Chain capabilities. A plug-in with Side-Chain capabilities is will be mark with (sc) after the plug-ins name.



- Right-click on the plug-in and select Enable Side Chain from the drop down menu, this enables the Side-Chain for that respective plug-in. This can also be done by clicking in the SC button on the side of the Rack View (as shown below).



- A Side-Chain enabled plug-in is marked by a yellow SC button, and with the SC button on the side of the Rack View (as shown below)..



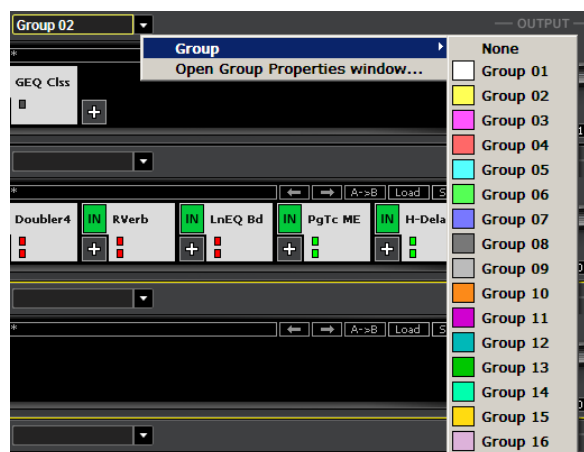
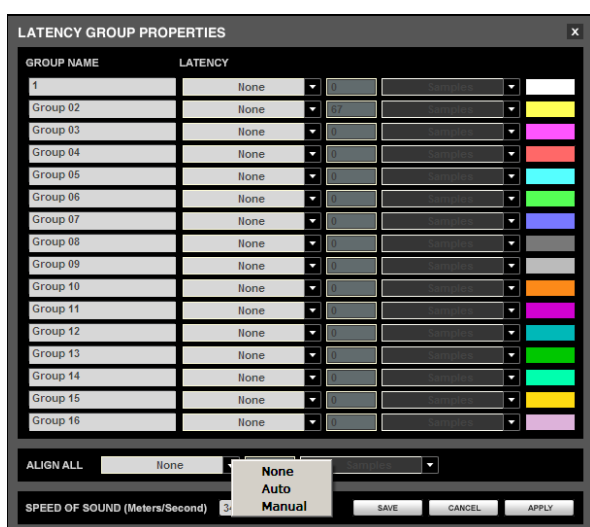
The same device input can be used for Rack input and Side-Chain simultaneously. You can preview your Side Chain input by clicking on speaker button.



7. Group Properties: Organization & Latency Alignment

This window allows you to group several Racks together. Racks often have something in common, and it may make sense to assign all of these similar Racks to a latency group.

Grouping all of the channels of your brass section, or drums, or audience, then assigning these groups a color; helps you to keep track of racks in concert situations. Also, each track will display the name of the group, further aiding quick visual organization.



Plug-ins may impose a delay (known as “latency”) as signal passes through them. Often, this is not a problem. However, there are times you will want to time-align all of the Racks in a group, to compensate for different processor latencies that may cause phase-related problems.

Use the **LatencyGroup Properties** window to create groups of racks and align their latencies. Open this window from the pull-down menu located at the top of a rack or from the **Window** menu.

In the **Group Properties** window, you can create up to 16 processing groups, each of which can contain any number of Racks.

Group Name	Latency Alignment type	Group Latency value	Latency measurement units	Group Color
Drums	Auto	0	Samples	
Group 02	None		Samples	
Group 03	None		Samples	
Group 04	None		Samples	
Group 05	None	0	Samples	
Group 06	None	0	Samples	
Group 07	None	0	Samples	
Group 08	None	0	Samples	
Group 09	None	0	Samples	

Create a group by double clicking on a **Group Name** cell and typing the name you want to assign the group (using the external keyboard). Now, decide how you want to align the processors within the group.

None A group is created, but there is no latency alignment.

Auto The group is delayed to match the latency of the rack in the group with the greatest total latency.

Manual Manually delay the group by a specific value by entering it in the Latency field. The value is displayed in samples, milliseconds, meters or feet, depending on your choice in the pull-down window. The minimal value allowed for this setting matches the latency of the rack in the group with the greatest total latency.

Groups are color-coded for easier identification. Color selection is based on placement in the list, and is not user-definable.

At the bottom of the Group Properties page is the **Align All** section.

ALIGN ALL	None	0	Samples
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Here you can align all of the groups of Racks in order to create a unified timing for all channels. The **Auto** setting will offset all of the groups to match the timing of the group with the greatest latency, while **Manual** will delay all groups by a specific value.



Below the Align All section is the “**Speed of Sound**” setting.

A screenshot of a software control interface for 'SPEED OF SOUND (Meters/Second)'. It features a dark grey background. On the left, the text 'SPEED OF SOUND (Meters/Second)' is displayed in a light grey font. To its right is a light grey rectangular input field containing the value '343.0'. Further to the right are two light grey rectangular buttons with dark grey text: 'SAVE' and 'CANCEL'.

This parameter control, expressed in meters per second, allows you to calibrate MultiRack SoundGrid’s latency controls to match measured speed of sound. The speed of sound at sea level, at a temperature of 20 degrees Celsius and dry air, is 343 meters per second.

8. Snapshot Pane: Automating Your Racks

Snapshots contain the following parameters:

1. Rack input and output gain
2. Rack in/out, mute and on/off states
3. Current plug-in parameters

Snapshots are contained and saved as part of the Session file and are displayed as a vertical playlist.

Use Snapshots to change the state of racks (Mute/In/Off), levels, and, most importantly, the settings for the plug-ins.

Technical Note : Snapshots do not change the physical configuration of a Session, so you cannot use a snapshot to change the audio I/O, the rack order or the plug-ins embedded in a rack.

To open the Snapshot Pane (fig. a), go to **Waves tab >View> Open Snapshot Pane**.

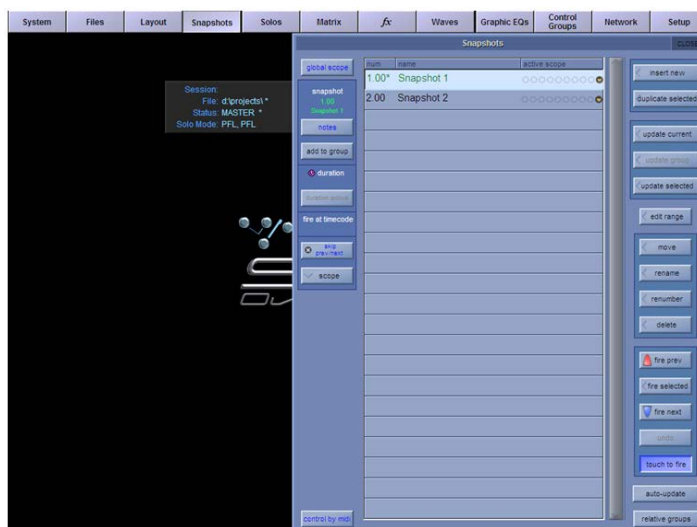
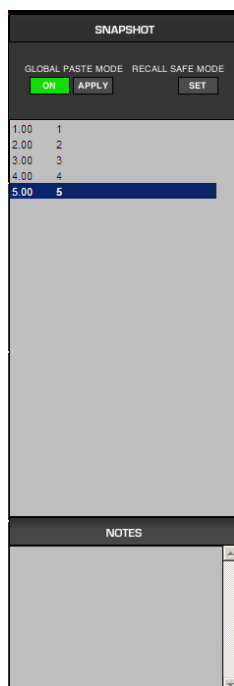
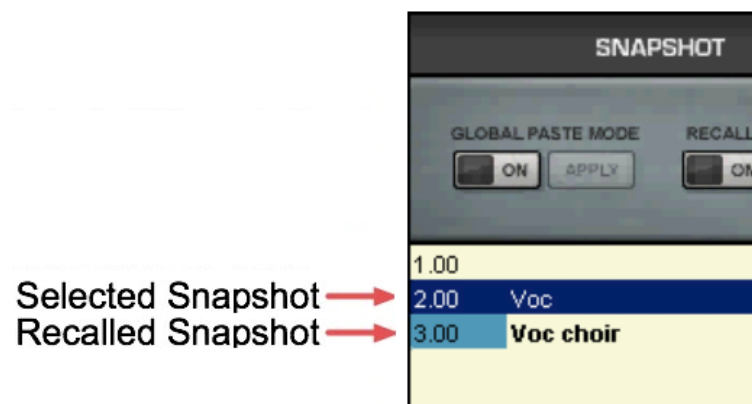


Fig. A – MultiRack Snapshot Pane Fig B – DiGiCo Snapshot Window

To save a Snapshot of your existing rack environment, use the console's **Snapshot Management** window (see Fig. B). Add Waves to the snapshot's scope.

When creating snapshots on the SD snapshot window, and Snapshot will automatically be created, with the same name, in the MultiRack's Snapshot Pane.



Note that selected snapshots are highlighted and the currently recalled snapshot's name appears in **boldface** and its number is highlighted in as shown above.

At the bottom of the SnapshotPane, under **NOTES**, is an area where you can write notes about the selected Snapshot.

Global Paste and Recall Safe Modes

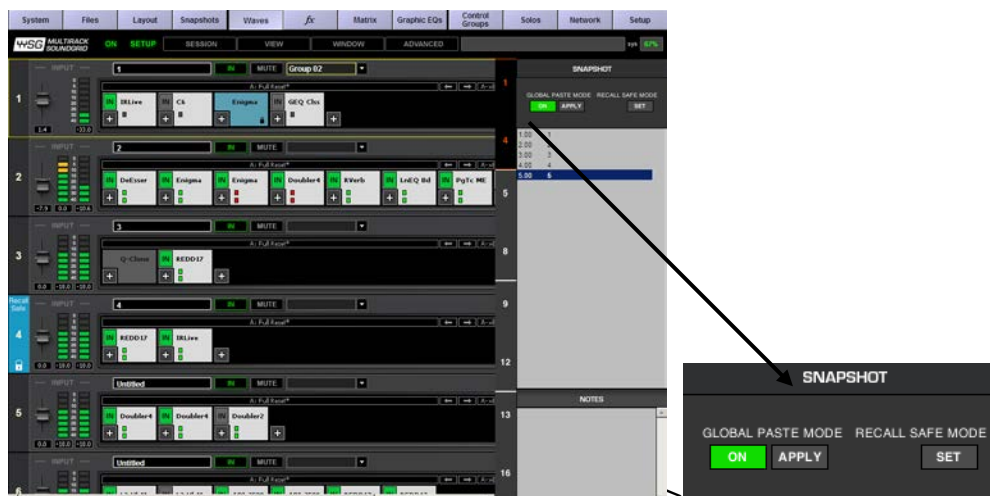
There are times when you don't want certain racks or specific plug-ins to be affected by Snapshot changes and there are times that you wish to apply a setting of a plug-in or rack across several snapshots.

The **Global Paste** and **Recall Safe** are the tools that provide you that ability.

Global Paste

"**Global Paste**" enables you to copy a plug-in's or rack's parameters into one or more other snapshots. This is useful when you've set up several racks filled with plug-ins and you decide to change plug-ins settings across several Snapshots.

1. Recall the snapshot from which you want to copy settings.
2. Touch the Global Paste "**On**" button.

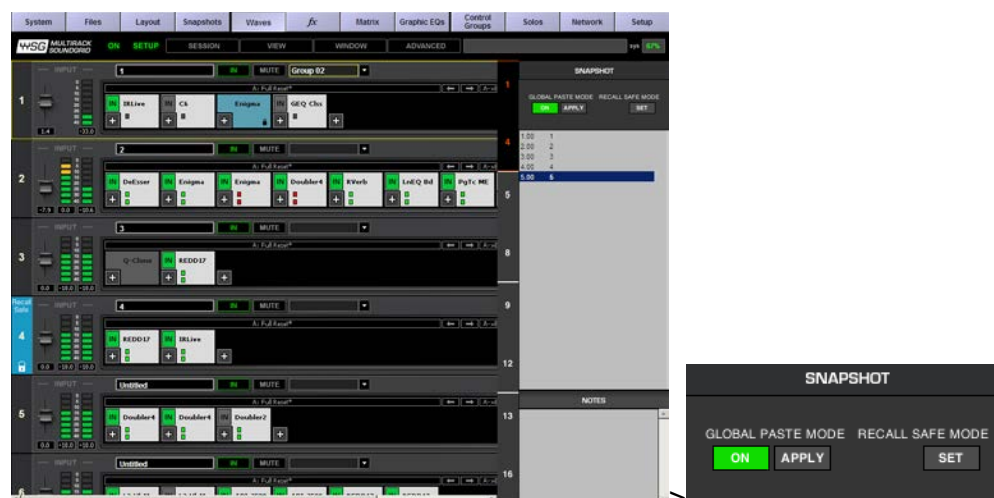


3. Select the **target snapshot/s** that you want to modify. To select multiple snapshots, Ctrl+Click on the desired target snapshots, or Shift+Click to select several contiguous snapshots (using a mouse).
4. In the rack windows, select the plug-in or rack to which to copy the selected snapshots to. Right-click on the plug-in and choose **Global Paste Plug-in/Rack** from the menu and touch the "**Apply**" button. Repeat this for each of the plug-ins or Racks whose settings you want to Global Paste.
5. Touch the Global Paste button "**On**" in the snapshot Pane once again to turn this mode off and end the process.

Recall Safe

Recall Safe Mode allows you to select the racks and/or plug-ins that won't be affected as you change snapshots that would normally affect them. The recall-safe option applies within the session (not a specific snapshot).

Turn Recall Safe Mode “**On**” in the Snapshots Pane



Racks: Select a Rack you want to set to Recall Safe. Touch the “**Set**” button or Right click on the selected Rack and choose **Recall Safe** from the pull-down menu. "Recall Safe" racks glow blue:



Plug-ins: Select the plug-in you want to set to Recall Safe. Touch the “**Set**” button or Right click on the selected plug-ins and choose **Recall Safe** from the pull-down menu. "Recall Safe" plug-ins glow blue:





To remove a rack or plug-in from "Recall Safe" mode, select the respective rack or plug-in and touch the **"Unset"** button or de-select "Recall Safe" from the right click pull-down menu.

Plug-ins or racks that are set to "Recall Safe" can be edited. However, their "Recall Safe" status can be viewed only while in "Recall Safe" mode. Selecting "Recall Safe" in the Snapshots menu does not activate or de-activate "Recall Safe". Rather, it only allows you to see plug-ins and racks, and set them to "Recall Safe". When you turn "Recall Safe" mode off, racks and plug-ins which have been "Recall Safe" remain so; they just don't glow blue.

When a rack is "Recall Safe", all the plug-ins within that rack are affected, i.e. are effectively "Recall Safe" as well.

9. Saving in MultiRack SoundGrid

MultiRack SoundGrid offers four different levels of “Save,” enabling you to quickly and confidently store and recall needed Session information. From most specific to most general, here are your options for saving information:

- **Per Plug-in:** Each plug-in has its own WaveSystem Toolbar, so you can load and save your favorite plug-in settings without affecting the rest of the processing environment. Say you have a C4 preset that you’d like to use for the bass. Simply load the preset from the C4’s WaveSystem Toolbar’s **Load** menu. Plug-in settings can be saved to an external USB key and loaded on to another console, given that the same plug-ins are installed and authorized on both consoles.
- **Per Rack:** There’s a WaveSystem Toolbar at the top of each rack, so you can load and save settings for an entire Rack, independent of the Snapshots. Plug-in settings can be saved to an external USB key and loaded into another console, given that the same plug-ins are installed and authorized on both consoles.
- **Sessions** hold the settings for every plug-in and all racks. MultiRack Sessions are saved alongside the console’s Session file; both files are named identically and are loaded in synchronization when the corresponding console Session file is loaded.
- **Snapshots** hold the settings for every plug-in and rack. Snapshots are created and stored on the console main Snapshot window.

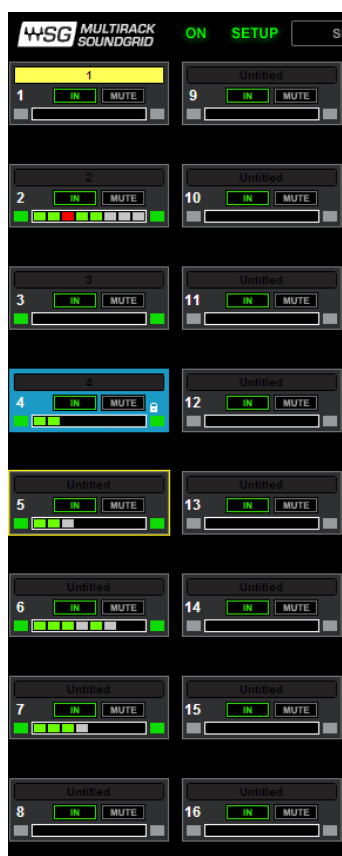
The chart below illustrates the relationship between Functions and Snapshots/Presets/Session management – within the Waves MultiRack and DiGiCo system, what stored in Plugin Preset, Rack Preset, Snapshot and Session.

	Plug-ins	Racks	Snapshots	Session
Rack Routing	-	-	-	All Racks
Rack in/out gain	-	Single Rack	All Racks	All Racks
Rack in/out and Mute state	-	Single Rack	All Racks	All Racks

Plug-ins chains and parameters	Only Preset for individual plug-in	All plug-ins in Single Rack	All Plug-ins	All Plug-ins
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10. Overview Window – Viewing the Status of All of Your Racks

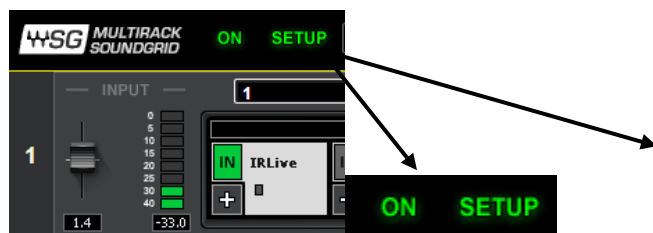
Once you've filled several racks, you'll want a convenient way to keep track of everything happening within your processing environment. To get an overview of your racks, select **Overview** from the **View menu**. This will reveal the Overview Window, where you'll see a condensed view of each Rack.



The Overview Window tells you if a rack or an individual plug-in is functioning, and it enables you to turn on or off, bypass, or mute a Rack. Clipping is also indicated for each Rack.

Use the Overview Window when you want to keep an eye on the entire processing setup. Since each mini-Rack in the Overview Window displays clipping information, you can easily watch out for over-level clipping across your entire setup.

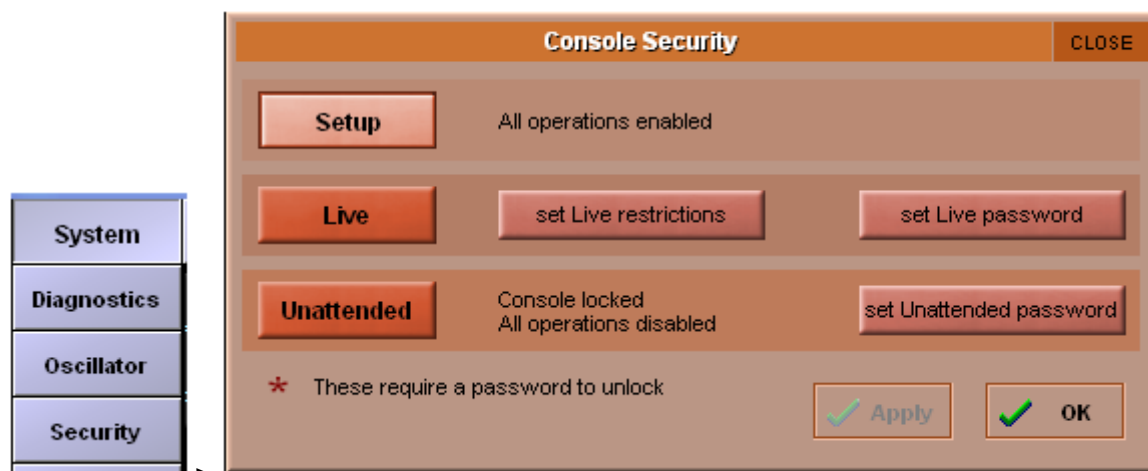
11. Show Mode



Show Mode is a “safe mode,” used during performances, that lets you adjust parameters within plugins, but not change routing, configuration, and other settings that could cause problems in a live situation.

When **Show** is selected you’re locked out from much of the interface.

To Switch between Setup and Show modes, go to the **Master view->System tab->Security** and switch between **Setup** and **Live**.

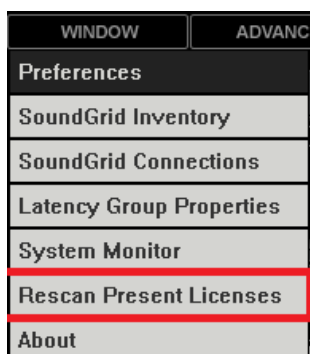


When choosing **Setup**, MultiRack will switch to Setup mode, when choosing **Live**, MultiRack will switch to Show Mode.

12. Automatic Recovery

As MultiRack SoundGrid is an application for live shows, it is equipped with an automatic recovery mechanism. This means that if MultiRack SoundGrid quits unexpectedly, it will automatically re-launch and re-open the same session file it was running when it crashed, with the same snapshot that was recalled when the crash occurred (if applicable). While MultiRack SoundGrid re-launches itself, streaming and processing audio continues without interruption; only user control is lost until MultiRack SoundGrid re-loads its Session.

13. Rescan Present Licenses



If you are preparing a setup and routing without licenses (i.e. without a connected USB flash drive); the plug-ins will load in a disabled state. While the plug-ins won't process audio you can still assign inserts, FX, load plug-ins and presets.

To enable a disabled plug-in or plugins:

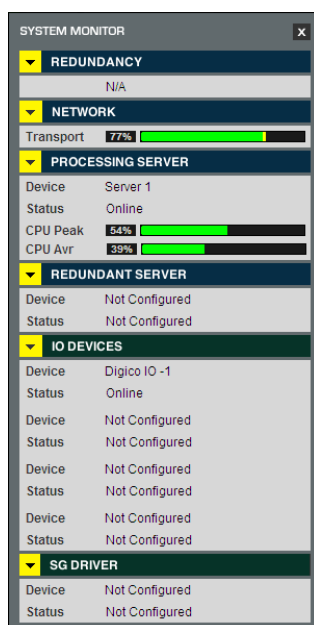
- Connect your USB flash drive.
- Go to **Window** Menu and select the “**Rescan Present Licenses**”.

All disabled plugins will be enabled.

- You can re-enable plugins individually by right clicking on disabled plug-in and choosing **enable** option from the menu.

14. System Monitor Window

This Window offers general information to the SoundGrid system current state. To get to this window click go to the **Audio** menu and select the **System Monitor** item, or press CTRL+M.



Open this window from the Window menu.

This window displays real time status info on your SoundGrid network, I/O devices, and Servers.

Redundancy Displays redundancy status.

Network Displays network transport load. High loads may result in audio drops.

Processing/Redundant Server

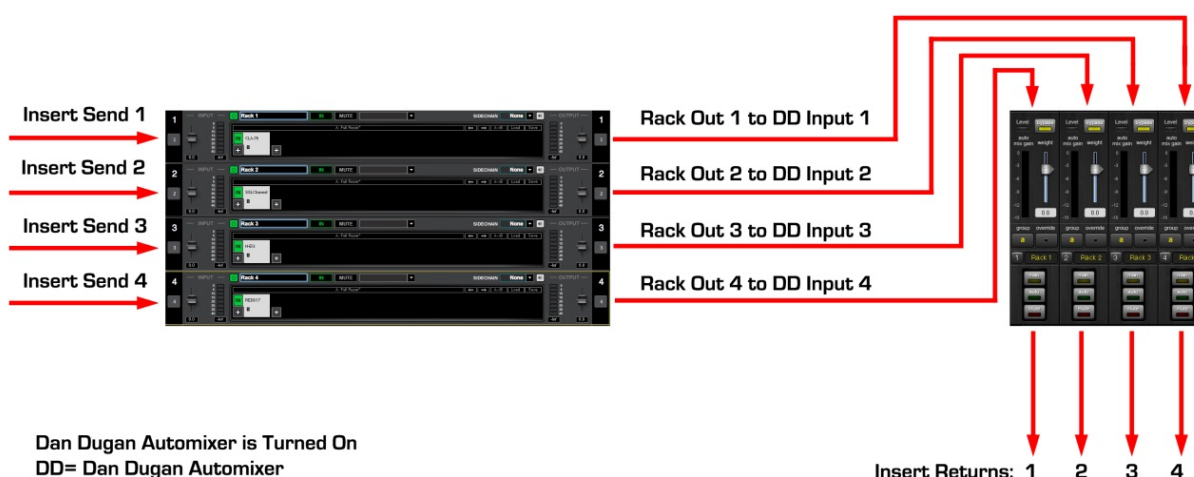
- **Device** – Device name
- **Status** – Server status (online or offline)
- **CPU Peak** and average loads (**AVR**) – Displays the load on the processing server. High loads may result in audio drops.

I/O Device 1 and 2 (if available)

- **Device** – Device name
- **Status** – Device status

15. Dugan Automixer

The Dugan Automixer plug-in is a MultiRack Native and SoundGrid plug-in only, integrated into the MultiRack system. The Dugan Automixer is inserted on the MultiRack's outputs, post the Racks. All the Racks processing occurs prior to the signal reaching the Dugan Automixer plug-in. For example, if MultiRack is inserted on console channels, then turning the Dugan Automixer On inserts the Automixer between Rack Outs and Insert Returns, as shown below.



All available Outs are routed through the Dugan Automixer consecutively, thus Rack Outs routing values are identical to Automixer's channel number: Rack 1 Mono Out 1 connects to Automixer channel 1, Rack 2 Stereo Outs 3-4 connect to Automixer channels 3 and 4.

When turning the Dugan Automixer On all its channels are bypassed by default.

The Dugan Automixer is installed into the plug-ins folder, which is D:\Waves\Plug-ins V9.

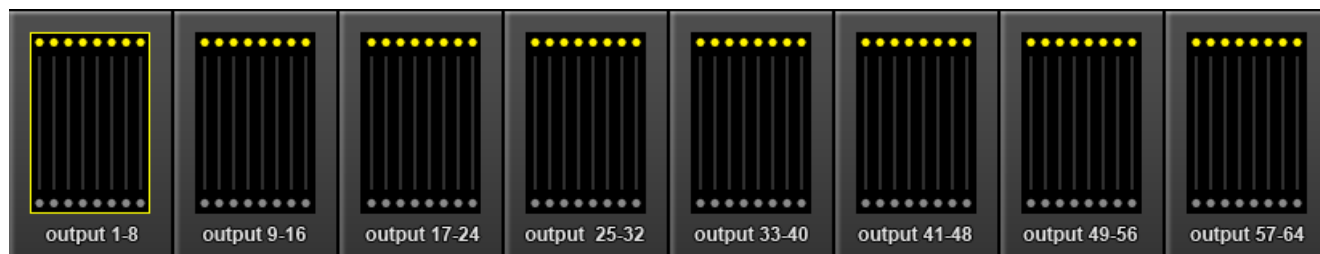
To open the Dugan Automixer go to the Waves tab under Advanced > Dugan Automixer or press F9.

Close Automixer by clicking X on top right corner.

Note that closing the Dugan Automixer window does not stops the automixer's processing. It only closes its control window.

Dugan Channel Count

Dugan Automixer window opens 64 processing channels in 8 tabs.



Snapshots - All plug-in controls are saved in the snapshots except for Master Pane controls. Master pane controls are not saved in Snapshots.

Recall-Safe - The Dugan Automixer can be Recall-Safed as a whole by clicking/pressing the Recall-Safe button on the plug-in's Master Pane. Alternatively, right clicking on the top of Dugan Automixer window opens a menu where enabling/disabling Recall Safe is also possible.



When The Dugan Automixer is On, an indicator will appear, on the MultiRack window, indicating the Automixer is On, as shown below.



License & Session Behavior

There are three possibilities:

1. If the Dugan Automixer is not installed then on the Waves tab > Advanced menu item will show **Dugan Automixer is Not Installed**, and its settings will not be saved in the session file. When loading an existing session that contains Dugan Automixer processing, the session will load without the Automixer. The Automixer will not be removed from the session file.
2. If the Dugan Automixer is installed but not activated on the Waves tab > Advanced menu item will show **Dugan Automixer is Not Activated**, and its settings will not be saved in

the session file. When loading an existing session that contains Dugan Automixer processing, the session will load with the Automixer disabled. The Automixer will not be removed from the session file.

3. If the Dugan Automixer is installed and activated then its menu item will be shown normally. The Automixer will be saved in the session file even if it's not turned On.

Use **Rescan Licenses** to refresh activation for added licenses via the Waves Tab > Window > Rescan Present Licenses

For more information please refer to the Dugan Automixer manual, by clicking on the question mark (?) on the plugins GUI.



16. Appendix

MultiRack Menus

Session	View	Window	Advanced
Import Multi Rack Session	View/Hide Snapshot Pane	Preferences	Enable Verbose Mode
Export Multi Rack Session	Main View	SoundGrid Inventory	
	Overview	SoundGrid Connections	
	Rack View	Latency Group Properties	
		System Monitor	
		Rescan Present Licenses	
		About	

MultiRack SoundGrid Keyboard Shortcuts

If you are using an external keyboard you may want to get familiar with MultiRack's keyboard shortcuts.

<u>Session Item</u>	<u>Definition</u>	<u>Keyboard shortcut</u>
Import session	Opens explorer window, import session	Ctrl+Alt+I
Export session	Opens explorer, export session	Ctrl+Alt+E

<u>Window Item</u>	<u>Definition</u>	<u>Keyboard shortcut</u>
Open Snapshot Pane	Opens/closes the Snapshot Pane in MultiRack SoundGrid window.	F7
SoundGrid Inventory	Opens the SoundGrid Inventory Window	F2
SoundGrid	Opens the SoundGrid Connections Window	F3

Connections

Group Properties ...	Opens the Group Properties window	Ctrl+G
System Monitor	Opens the System Monitor window	Ctrl+M
Preferences	Opens the Preferences window	Ctrl+P

<u>Menu Item</u>	<u>Definition</u>	<u>Keyboard shortcut</u>
Main view Mode	Opens the main application view (multiple Racks)	F4
Overview Mode	Opens the overview view	F5
Rack view Mode	Opens the Rack view	F6
<u>Advanced Item</u>	<u>Definition</u>	<u>Keyboard shortcut</u>
Enable Verbose mode	Creates Log file for troubleshooting.	
Rescan Present Licenses	Starts rescan of licenses on connected USB flash drive	Ctrl + L