MagnumVUE Quick Start Guide

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REVISION HISTORY

REVISION

DESCRIPTION

1.0 Original Version

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1. MODES OF OPERATION

- VUE has 3 modes of operation:
- 1. **Operation Mode:** The user can interact with widgets but cannot change settings or modify layout.

9.0	*	MA	AGNU	Μνι	JE		
Source Tags	Destination Tags			Sou	irces		filter
		BNN	A-ATL	ONE	ISSUE	NBATV	BITE-TV
ALL	ALL	LEAFS	S+L	PUNCH	М	HBO1	M-XS
	CAN WEST	MRPIX	PHDIS	M-FUN	M-FEST MPIX		CBC-W
CAN WEST		SUNTV	OLN	CBC-T	SCORE	DISC	CBC-NW
				Desti	nations		Filter.1
CAN EAST	CAN EAST	ENC F1-1A	ENC F1-2A	ENC F1-3B	91MCR-QC1 NEXT:HBO1	91MCR-QC2	ENC F1-1B
	_	ENC F1-2B	ENC F1-3A NEXT:PUNCH	ENC F1-4A	ENC F1-4B	ENC F1-5A	ENC F1-5B NEXT:CBC-W
US WEST	US WEST	ENC F1-6A	ENC F1-6B	ENC F1-7A	ENC F1-7B	ENC F1-8A	ENC F1-8B
		ENC F1-9A	ENC F1-9B	ENC F1-10A	ENC F1-10B NEXT:CBC-T	ENC F1-11A	ENC F1-11B
		ENC F1-12A	ENC F1-12B	ENC F1-13A	ENC F1-13B	ENC F1-14A	ENC F1-14B
US EAST	US EAST				******		
		🔍 🔒 🥙					4 Routes

Figure 1-1: Operation Mode

2. Layout Mode: The user can resize widgets, modify layout, and create new widgets. The user cannot, however, interact directly with widgets.



		MA	AGNU	Μνι	JE		*
Source Tags	Destination Tags			Sou	irces		014-
		BNN	A-ATL	ONE	ISSUE	NBATV	BITE-TV
ALL	ALL	LEAFS	S+L	PUNCH	М		M-XS
	CAN WEST	MRPIX	PHDIS	M-FUN	UN M-FEST MPIX		CBC-W
CAN WEST		SUNTV	OLN	CBC-T	SCORE	DISC	CBC-NW
				8000000000	00000000000		
				Destin	ations		
CAN EAST	CAN EAST				91MCR-QC1 NEXT:HBO1	91MCR-QC2	ENC F1-1B
US WEST	US WEST						
US EAST	US EAST				**********		
		V 🖬 🙆					4 Route

Figure 1-2: Layout Mode

3. Widget Edit Mode: The user can change settings on the selected widget.

Appearance				
Font				
Font Droid Sans 12pt >		Sou	irces	Filter
Colour >				
Layout				
Source Rows 📃 2 🕂	EQX-Src 1	EQX-Src 2	EQX-Src 3	EQX-Src 4
Scurce Columns - 4 +				
Destination Rows 2 📥				
Destination Columns	EQX-Src 5	EQX-Src 6	EQX-Src 7	EQX-Src 8
Display Options			00000	-
Style		Destin	nations	Filter
Operations Mode				
Instant Take 🛛 📝				
Explicit Take	SAT-DST-1	SAT-DST-2	SAT-DST-3	SAT-DST-5
Toggle Next Source OFF				
Show Current Source OFF				
Show Quick Filter	SAT-DST-4	SAT-DST-6	SAT-DST-7	SAT-DST-8
X B				

Figure 1-3: Widget Edit Mode



1.1. VUE Side bars



General Tab

Widget Drawer Tab Figure 1-4: VUE Side Bars

Systems Tab



1.2. Moving Between Modes

Function	Shortcut/Hotkeys			
Go to Operations Mode	CTRL + E <i>or</i> Press ESC			
Go to Layout Mode	CTRL + E			
Display/Hide Sidebar	Tap on top-right Tool Icon <i>or</i> Double-click on empty area of canvas			
Widget Edit Mode	Double-click on widget or Open radial menu and select the edit icon			
Return to Layout Mode from Widget Edit Mode	Tap on Tool Icon in top-right corner			
Toggle Fullscreen	Press F11			
Save the current layout	CTRL + S			
Open a saved layout	CTRL + O			



2. MAGNUMVUE RADIAL MENU

MagnumVUE provides a touch-friendly editing tool in Layout Mode. There are various functions that are available when interacting with the Radial Menu. Tap on a widget in Layout Mode to display the Radial Menu.



Figure 2-1: The Radial Menu

2.1. Opening Widget Edit Settings



Tap the tool icon on the bottom of the menu to open the widget settings for the selected widget.

2.2. Scaling



Holding down the top half of the wheel and moving towards or away from the center of the wheel allows scaling evenly around all sides of the widget. Tapping on the scale icon also expands the wheel to show the anchors which can be used to resize the widget from the sides or corners.



Figure 2-2: Adjust the Widget with the Scaling Anchors



2.3. Keystone



Tapping the icon on the bottom right of the wheel expands to show the anchors to adjust the keystone of the selected widget.



Figure 2-3: Adjust the Widget with the Keystone Anchors



2.4. Additional Edit Functions (Duplicate, Delete, Add to Group, Adjust Order)

Selecting the icon in the bottom left of the wheel expands the wheel to show additional edit functions.



Duplicate: Create a copy of the selected widget and automatically insert it onto the canvas.



Delete: Remove the selected widget.



Add to Group: Drag the add to group icon on top of a group to add the currently selected widget into that group.



Adjust Order: Adjust the order of the selected widget in relation to other widgets on the canvas.



Figure 2-4: Additional Edit Functions on the Radial Menu



3. ROUTER CONTROL WIDGET SETUP

- 3.1. Setting Up a Quartz Interface System on the Magnum Server
 - 1. Go to Magnum WebConfig (i.e. 192.168.1.254/eqx)
 - 2. Go to Interfaces > Quartz tab
 - 3. Select Add
 - 4. Enter Name and a unique Port # (usually above 4000)
 - 5. Select Done
 - a. You may copy a current Profile (listed in the Profile Management tab)
 - 6. Edit newly created Quartz Interface (select pencil icon)
 - 7. Select Sources and Destinations to include in the interface
 - 8. Select Done
 - 9. Commit Changes to the Server

	MAGNUM										
HOME	SY	/STEM - NA	MES INTERFACES REPORTS -	CONTROLS	- ADMIN- () HELP	-	_	-	_	_
Int	er	faces									
	Mult	ti-Profile	Single-Profile Symp	hony	Quartz		Ma	ignum	Pro	ofile Management	
0	Add	🥒 Edit 🛛	🗊 Delete 🛛 📄 Copy Profile		-	-					
SELE	CT: AI	l, None, Modified	d Clear Filters								
		Status	Name	Nameset	t	Port	Er	nhanced Errors			
		~						~			
	6		NMX-EQX		Global	4003	2	True			

Figure 3-1: Setting Up a Quartz Interface System

3.2. Adding a System to MagnumVUE

- 1. Start up MagnumVUE
- 2. Enter Layout Mode (Ctrl+e)
- 3. Go to the Systems tab



- 4. Select 'Add New System > Router Control (Quartz)'
- 5. Enter in Name, Server IP Address, Quartz Interface Port #
- 6. Select **Done**
- 7. Ensure the System is connected, select newly created System and confirm Connection Status

Systems	VUE_LAB_1				
Name:	VUE_LAB_1				
Host: Port:	192.168.1.1 4000				
Connection Status: Connected					
	Done				

Figure 3-2: Adding a System to MagnumVUE

3.3. Creating an Instance of a Router Control Widget

- 1. Go into Layout Mode
- 2. Go to the **Widgets** tab
- 3. Click and drag the **Router Control** widget onto the canvas area



4. EDITING ROUTER CONTROL WIDGET SETTINGS

4.1. APPEARANCE TAB



Figure 4-1: Appearance Tab



4.1.1. Font Appearance

4.1.1.1. Change Font

- 1. Click on Font (Under Font)
- 2. Change font settings in dialog box
- 3. Select Okay

4.1.1.2. Change Font Colour

- 1. Click on **Colour** (Under Font)
- 2. Change font colour in dialog box
- 3. Select Okay

4.1.2. Layout Appearance

4.1.2.1. Change Source/Destination Rows and Columns

1. Click on + and - signs to increase or decrease displayed rows and columns

Or

2. Select field, type in number and press 'Enter'

4.1.3. Display Options

Select from the available styles to display buttons in the **Router Control** widget

- Text & Icon
- Text Only
- Icon Only

4.1.4. Operations Mode

Select from the available Take Modes to operate in the Router Control widget

- Instant Take
- Explicit Take

4.1.4.1. Enable Toggle Next Source

• Click toggle switch to enable/disable **Toggle Next Source**

4.1.4.2. Show Current Source

• Click toggle switch to enable/disable Show Current Source

4.1.4.3. Show Quick Filter

• Click toggle switch to enable/disable Show Quick Filter



4.2. SETTINGS TAB

4.2.1. General

Router Control Settings				
Widget Name	RouterControl			
System	>			
Sources	>			
Destinations	>			
Tags	>			

Figure 4-2: Settings Tab – General

4.2.1.1. Widget Name

• Enter in a unique name for the **Router Control** widget to identify its purpose (i.e. RTR1).

4.2.2. Connecting to a System

Settings	Select A System	
VUE_1		
VUE_2		

Figure 4-3: Settings Tab – Select a System

To connect the **Router** widget to an available **System**:

- 1. Double click on the widget to open **Router Control Widget Settings**
- 2. Go to the Settings tab
- 3. Go to System
- 4. Select **System** from list

4.2.3. Setting Sources

• Displaying/Hiding Sources in the connected System for the selected widget.



Settings	Filter Sources		
EQX-Src 1		Select Icon	~
EQX-Src 2		Select Icon	>
EQX-Src 3		Select Icon	>
EQX-Src 4		Select Icon	>
EQX-Src 5		Select Icon	>

Figure 4-4: Settings Tab – Filter Sources

- 1. Double click on the widget to open Router Control Widget Settings
- 2. Go to **Settings** tab
- 3. Go to **Sources**
- 4. Click on Sources to display/hide Sources
 - a. Check box to display Source
 - b. Clear box to hide Source

4.2.4. Setting Destinations

• Displaying/Hiding Destinations in the connected System for the selected widget





Figure 4-5: Settings Tab – Filter Destinations

- 1. Double click on the widget to open Router Control Widget Settings
- 2. Go to **Settings** tab
- 3. Go to **Sources**
- 4. Click on **Sources** to display/hide Destinations
 - a. Check box to display Destination
 - b. Clear box to hide Destination

4.3. MINIMIZE TAB

4.3.1. Enable/Disable Minimizing Widget

• Click on toggle switch to turn on/off Minimize Anchor

4.3.2. Anchor Settings

4.3.2.1. Anchor Image

- 1. Click on **Image** button
- 2. Select image to use on the anchor
- 3. Click OK

4.3.2.2. Anchor Text

1. Enter the desired text to be displayed on the anchor

4.3.2.3. Anchor Position

- 1. Select which side of the widget to place the anchor
- 2. Click and drag the anchor in Layout Mode to the desired position



Minimize				
Minimize Settings				
Enable Minimizing Widget				
Anchor Settings		Sou	rces	Filter
Anchor Image	EQX-Src 1	EQX-Src 2	EQX-Src 3	EQX-Src 4
Anchor Text RouterControl				
Anchor Position				
* * * *	EQX-Src 5	EQX-Src 6	EQX-Src 7	EQX-Src 8
		•••••	66668	
		Destin	nations	Filter
	SAT-DST-4	SAT-DST-6	SAT-DST-7	SAT-DST-8
	SAT-DST-9	SAT-DST-10	CAM-DST-1	CAM-DST-2
	1			
₽ X 3				

Figure 4-6: Minimize Tab



5. ROUTER CONTROL OPERATIONS MODE

5.1. Instant Take

• With **Instant Take Mode** selected, the **Source** will be routed to the **Destination** when it is selected.

5.2. Explicit Take

• With **Explicit Take Mode** selected, the **Source** will be routed to the **Destination** after hitting the **Take** button.



Figure 5-1: Explicit Take



5.2.1. Multi-Route (Enabled in Explicit Take Mode)

- 1. With **Explicit Take Mode** selected, the operator can set up multiple routes before hitting the **Take** button
- 2. Click the Multi-Route dialog to open up a panel of routes ready for Take
- 3. To cancel all routes, select the **Clear Take** icon
- 4. To cancel a single route, select the **Cancel** icon in the multi-route panel

	Sou	rces	Filter
EQX-Src 1	EQX-Src 2	EQX-Src 3	EQX-Src 4
EQX-Src 5	EQX-Src 6	EQX-Src 7	EQX-Src 8
EQX-Src 9	CAM-SRC-1	CAM-SRC-2	CAM-SRC-3
CAM-SRC-4	CAM-SRC-5	CAM-SRC-6	CAM-SRC-7
	•••		
	Destin	ations	Filter
SAT-DST-4	SAT-DST-6 NEXT:EQX-Src 2	SAT-DST-7 NEXT:CAM-SRC-6	SAT-DST-8 NEXT:EQX-Src 8
SAT-DST	0	aued Poutes	
NEXT:EQX 👧	QU EQX-S	rc 2 🗼 SAT-DST-6	HOLD
	EQX-S	rc 4 🔶 SAT-DST-9	HOLD
CAM-DS 👩	EQX-S	rc 8 🔶 SAT-DST-8	HOLD
	CAM-SR	C-7 🔶 CAM-DST-6	HOLD
CAM-DS 😣	CAM-SR	C-6 🔶 CAM-DST-1	HOLD
	CAM-SR	C-6 📫 SAT-DST-7	
1			6 Routes

Figure 5-2: Multi-Route

5.2.2. Holding Routes in a Multi-Route Take

- 1. Select the Hold icon in the multi-route panel beside routes to hold them on the next Take
- 2. Clear the hold action by selecting the Hold icon again
- 3. To clear all holds on selected routes, hold down SHIFT and click on the Hold icon





	Queued Routes	
	EQX-Src 2 📫 SAT-DST-6	HOLD
8	EQX-Src 4 🔶 SAT-DST-9	HOLD
8	EQX-Src 8 🔶 SAT-DST-8	HOLD
8	CAM-SRC-7 🔶 CAM-DST-6	HOLD 🎬
. 😒	CAM-SRC-6 🔶 CAM-DST-1	HOLD 🎬
	CAM-SRC-6 📫 SAT-DST-7	HOLD
		MULTI
		6 Routes

Figure 5-3: Holding Routes



5.2.3. Lock/Protect Destinations

5.2.3.1. Lock/Unlock a Selected Destination

- 1. Select a **Destination**
- 2. Select the Lock icon on the bottom left of the Router Control widget

5.2.3.2. Protect/Unprotect a selected Destination

- 1. Select a **Destination**
- 2. Select the **Protect** icon on the bottom left of the **Router Control** Widget



Figure 5-4: Lock/Protect Destinations



6. USING TAGS

To go to Tags:

- 1. Double click Router Control widget
- 2. Go to the Settings tab
- 3. Select Tags

To create Tags:

- 1. From Tags menu, select Add New Tag
- 2. Enter a Tag Name
- 3. Select Sources to display when the Tag is selected
- 4. Select **Destinations** to display when the Tag is selected
- 5. Select Tags List to go back to the previous menu
- 6. Add additional tags if necessary



Figure 6-1: Tags



6.1. Tags Drilldown Mode

The **Tags Drilldown Mode** operates inside a single **Router Control** widget. This is used to display configured Tags at a top level and show grouped results in the Sources and Destinations within the same widget. The operator can jump back to the top level to select a different pool of ports using the red **X** icon.

To turn on Tags Drilldown Mode (display tags):

1. From the Tags menu, set the Tags Drilldown Mode parameter to ON

Using Tags Drilldown Mode:

- Ensure Tags Drilldown Mode is enabled
- 1. Select Destination Tag for a list of Destinations
- 2. Click on the X icon displayed to return to **Destination Tags**
- 3. Select Source Tag for list of Sources
- 4. Click on the X icon displayed to return to Source Tags

	Source	e Tags	Filter	×	CAN	EAST	Filter
ALL	CAN WEST	CAN EAST	US WEST	сту-м	СІТҮ-Т	CBS-W	снсн
US EAST				СВС-С	СМТ	CBC-R	CBC-E
				СВС-Н	CBC-NA	сітү-с	стv-с
					•	0	
_	Destinat	ion Tags	Filter	8	US V	VEST	
ALL	CAN WEST	CAN EAST	US WEST	ENC F5-16A	ENC F5-16B	ENC F5-17A	ENC F5-17B
US EAST				ENC F5-18A	ENC F5-18B	ENC F5-19A	ENC F5-19B
				ENC F5-20A	ENC F5-20B	ENC F5-21A	ENC F5-21B
					•		

Figure 6-2: Tags Drilldown Mode

6.2. Tag Selector Widget

The **Tag Selector Widget** option operates across multiple **Router Control** widgets. This allows the Tags and configured ports to be presented to the operator using 2 or more **Router Control** widgets. The operator can select the Tags configured on one widget, and display the ports configured in the Tag in a different widget.



To display Tag results in another router widget (select Tags in the current router widget selected). I.e. "RTR1" router widget displays only Sources, "SRC Tags" router widget displays Tags with Sources selected in the tag.

- 1. Turn on Control Other Widgets in the "Src Tags" router widget from the Tags menu
- 2. Go to the Tag Selector Widget in the "RTR1" router widget
- 3. Select the SRC Tags widget from the list
- 4. Enter **Operations Mode**
- 5. It is now possible to display the ports in the "RTR1" router widget, using the "SRC Tags" widget

Tags List Tag Selector Widget				Sources		and a second
Sources	1	310 10 100		Jources		
SRC TAGS		BNN	A-ATL	ONE	ISSUE	NBATV
DST tags		BITE-TV	LEAFS	S+L	PUNCH	м
Destinations						
		HBO1	M-XS	MRPIX	PHDIS	M-FUN
	gs	M-FEST	мріх	свс-ш	SUNTV	OLN
		CBC-T	SCORE	DISC	CBC-NW	A-OTT

Figure 6-3: Tag Selector Widget

6.3. Group Router Control Widgets Together

- 1. Ensure the widgets are connected to the same System
- 2. Ensure the widgets are set to the same Take Mode (Instant or Explicit)
- 3. a. In Layout Mode, click and drag around the desired widgets

Or

b. Hold **SHIFT** while selecting multiple widgets

- 4. Select the Group Widgets icon
 - a. An orange border will appear around the grouped widgets
 - b. This allows routing across Router Control Widgets that are grouped together
 - c. i.e. One Router Control Widget displays only Destinations and another displays only Sources

MagnumVUE Quick Start Guide



							Edit •
	Sou	rces	(Filter		Destir	nations	Eilter
EQX-Src 1	EQX-Src 2	EQX-Src 3	EQX-Src 4	SAT-DST-1 NEXT:EQX-Src 4		SAT-DST-3	SAT-DST-5
EQX-Src 5	EQX-Src 6	EQX-Src 7	EQX-Src 8	SAT-DST-4 NEXT:EQX-Src 7			
EQX-Src 9	CAM-SRC-1	CAM-SRC-2	CAM-SRC-3	SAT-DST-9 NEXT:CAM-SRC-2			CAM-DST-2
CAM-SRC-4	CAM-SRC-5	CAM-SRC-6	CAM-SRC-7				
		000					
						3 Routes	

Figure 6-4: Group Router Control Widgets Together