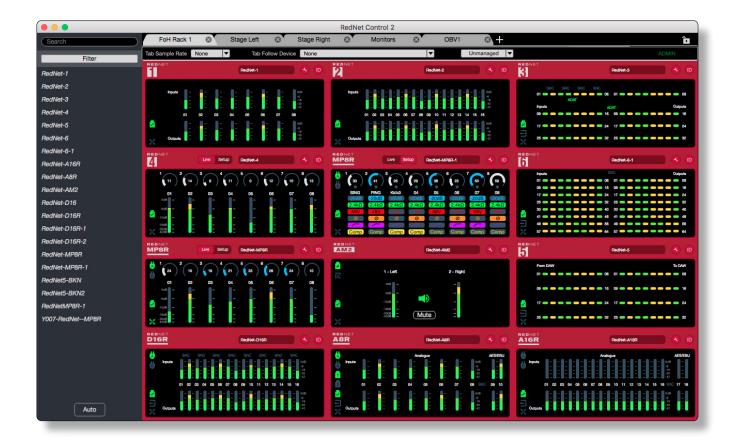
REDNET[®] CONTROL 2

User Guide





FFFA001508-06

Version 2.8

Contents

INTRODUCTION About this User Guide	
SYSTEM REQUIREMENTS	4
SOFTWARE INSTALLATION Installing RedNet Control 2	
RedNet Control 2 – Mac ······ RedNet Control 2 – Windows ·····	4
DEVICE ORGANISATION	5
The Auto Function · · · · · · · · · · · · · · · · · · ·	8
Tab Drop-Down Menu ·····	8
Tab Ribbon ·····	8
DEVICE CONTROL	9
Status Icons ·····	9
Channel Clipping Indication	10
ID (Identification)	
Device Settings	11
Clock Settings	11
Red Range Control	12
I/O Control and Metering ······	12
Monitor Control	13
Input Routing	14
Output Routing ······	15
Custom Mixes ······	16
TOOLBAR MENUS	17
File Menu	17
Global Menu	19
Dante Menu ·····	20
Quick Recall Menu	21
APPENDICES	
1. Keyboard Shortcuts · · · · · · · · · · · · · · · · · · ·	23
Organisation ·····	
Device Control/Settings · · · · · · · · · · · · · · · · · · ·	23
Device Specific ·····	
System	23
2. Customer Support	24

Introduction

RedNet Control is Focusrite's software application for controlling and configuring Red and RedNet interfaces. It features a graphical representation of each device on the local network, giving critical feedback such as signal metering, clock status, power supply state and primary/secondary network connection state. RedNet Control is completely customisable which allows for several users on the same network to have completely different views.

The other primary function of RedNet Control is to provide remote control of each device. This includes, but is not limited to, clock source selection, sample rate converter configuration and reference level setup. In the case of mic pres, such as Red 4Pre and RedNet MP8R, all the functions of the mic pre can be remote controlled from the software, such as gain, input impedance, phantom power, high-pass filter, pad, gain compensation and more.

Where more hands-on control is required, RedNet Control features a MIDI bridge, allowing any programmable CC-based or SysEx MIDI controller to control up to 16 different mic pre devices on the network. This allows gain to be easily mapped to an encoder for tactile control. The CC protocol uses the same specification as the Avid Pre, meaning Red 4Pre and RedNet MP8R can be controlled from Pro Tools and in turn with one of the Pro Tools controllers such as D-Command, D-Control, Artist series, etc.

For users who switch between different setups on a frequent basis, such as during performances with multiple acts, RedNet Control provides both session and device – save and recall. This allows sessions to be saved and loaded across both Mac and Windows platforms. Device save also allows for critical mic pre parameters to be saved during sound-check and recalled within seconds at a later time. Simply hit Save, then later open the file to recall all the settings or select which specific settings are recalled – settings can be loaded to any device of the same type.

RedNet Control's automatic firmware updater ensures that all Red and RedNet devices on the network are kept up to date with the latest firmware. This guarantees that the latest Dante updates from Audinate will be loaded to the device, ensuring the best possible performance. Please update RedNet PCIe drivers during installation to ensure that they are as up-to-date as possible.

About this User Guide

This guide provides a detailed explanation of RedNet Control 2 and will help you achieve a thorough understanding of its capabilities. We recommend that all users, including those already experienced with RedNet and Red, take the time to read through this guide. If the guide does not provide the information you need, please be sure to consult: <u>https://pro.focusrite.com/technical-support</u>, which contains a comprehensive collection of common technical support queries.

Please note that this guide refers to the RedNet Control software only. For information on how to setup the network, or for information on specific hardware devices, please refer to the System User Guide or device specific user guides which can be found here: <u>www.focusrite.com/downloads</u>

Computer keyboard shortcuts are highlighted thus: Cmd/Ctrl-L

Where Ctrl = the Windows Control key And Cmd = the Mac Command key

Dante® and Audinate® are registered trademarks of Audinate Pty Ltd.

System Requirements

Please visit the following link for up-to-date information on computer and operating system compatibility for RedNet Control 2: <u>https://focusrite.com/downloads/os</u>

Software Installation

Installation packages are available for both Mac and Windows. These packages include: the RedNet Control application, the Dante Controller application, PCIe drivers, the MIDI driver (*Windows only*) and the Red range driver (*Mac only*).

Locate either the *RedNet Control.pkg* disk image (Mac) or the *Rednet Control.exe* file (Windows).

The files can be downloaded from the RedNet product download pages.

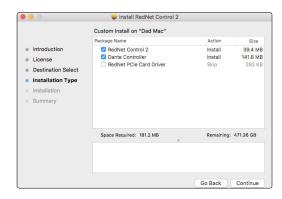
NB. For complete details on Dante Controller software, please refer to the Audinate website: <u>https://www.audinate.com</u> for more information.

Installing RedNet Control 2

RedNet Control 2 – Mac

Open the *RedNet Control.pkg* and follow the installation steps provided by the installer. If Dante Controller is not already installed on your system, make sure that the application is also selected.





RedNet Control 2 – Windows

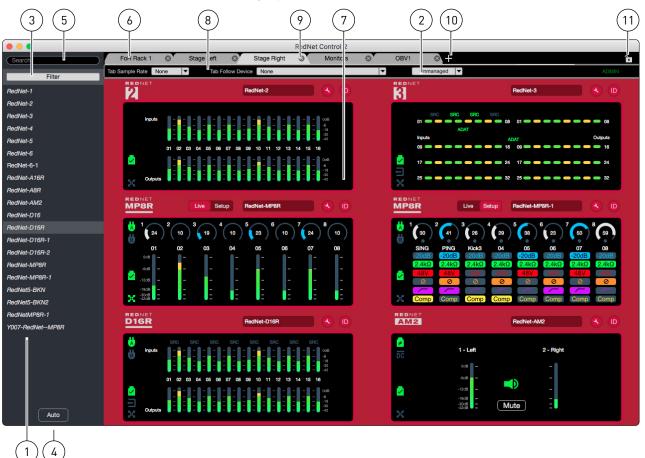
Run *RedNet Control.exe* and follow the installation steps provided by the installer.



elect Components Which components should be installed?	
Select the components you want to install; clear the com install. Click Next when you are ready to continue.	ponents you do not want to
RedNet Control 2	88.4 MB
Dante Controller	42.7 MB
Virtual MIDI driver	0.1 MB
Drivers for the RedNet PCIe card and the RedNet PC	CIeR card 0.2 MB
Current selection requires at least 131.7 MB of disk space	

Device Organisation

When launched, RedNet Control will display the Device View window:



1. Device List

Shows devices in the currently selected domain alphabetically. The list can be customised using the Device List Filter.

Right-click on any name to bring up its drop-down menu. **ID**: activates the device's ID function (see page 10); **Rename**: press **Enter** to confirm or **Esc** to cancel.



2. Domain Selection

Use the drop-down list to select the current Dante Domain. See p.20: Dante Domain Manager.

3. Device List Filter

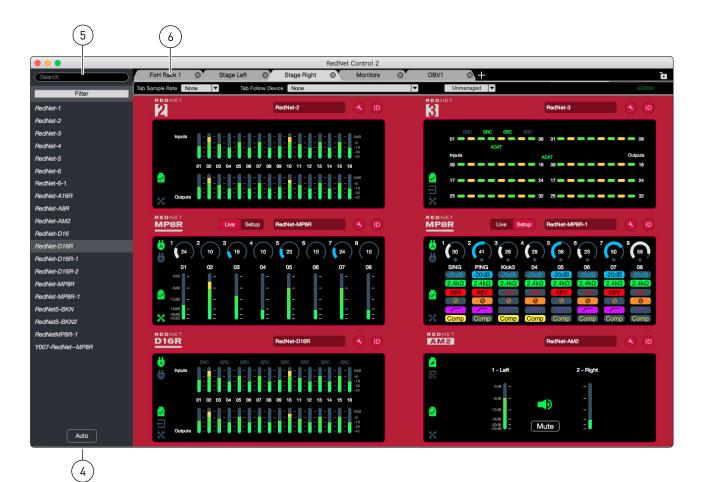
Allows the list to be ordered according to specific categories:

- RedNet Devices Filter by device type (drop-down list)
- Red Devices Filter by device type (drop-down list)
- Tab Filter by tab name (drop-down list)
- Not In Tab Show non tab-assigned devices
- Sample Rate Filter by device sample rate (drop-down list)
- Pull Up/Pull Down Filter by +/- % rate (drop-down list)
- Third Party Show only 3rd party devices

Click 'Clear All' to remove all filters



Device Organisation...



4. Auto Button

Automatically allocates devices into the grid. See page 8 for full description.

5. Search Bar

To locate any device in the Device list, type its name in to the search bar.

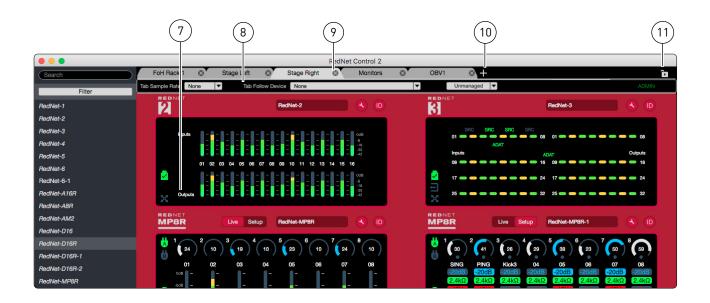
6. Tabs

Show either a single Red range device (*Red: 4Pre, Red 8Pre or Red 16Line*), or groups of 6 or 12 RedNet devices.

Tab groups can be freely organised to show individual hardware locations or, for example, units within an equipment rack.

- Up to 50 tabs of any type can be created
- Pulling a tab away will open a new device window. Separate windows can be reattached by dragging over another tab.
- Additional control options for tabs are provided via a **Tab Drop-Down Menu**. See page 8 for details

Device Organisation...



7. Device Grid

Displays a graphical representation of the hardware unit(s) within each tab.

- To add a device to a grid, drag its name from the Device List onto the grid use Cmd/Ctrl to multiple-select individual units in any order, or Shift for a large group selection
- The grid size under each tab can be set to display 1x1 (Red range only), 6 (2x3) or 12 (3x4) devices. The size is chosen when a new tab is created. See New Tab below
- A device already in a grid can be moved to another tab as follows:
 - Click-and-drag on a device
 - Hover over a different tab
 - Tab will move to the front to allow you to place the device

8. Tab Ribbon

Allows separate Sample Rate and Follow Device selection for each tab. See page 8 for details.

9. Tab Delete

To remove a tab click the grey 'X' by its name, or use the shortcut: Cmd/Ctrl-W.

10. New Tab

To add a new tab: click the 🖬 symbol then select the preferred grid size option.

Tabs can also be added either by double-clicking in the blank space to the right of the symbol, or by using the shortcut Cmd/Ctrl-T. The grid size defaults to the previously selected size.

11. Lock 💼

The Lock, shortcut: Cmd/Ctrl-L, prevents tabs from being added, removed or renamed; stops devices being added to the grid; disables the Auto function and prevents the Tab Sample Rate from being changed.

The Auto Function

Auto Click to automatically assign devices from the Device List onto a Device Grid (in current list order if no devices have been selected). If there are insufficient grid spaces in the current tab, new tab(s) will be created (the grid size will be the same as the previously selected tab: 2x3 or 3x4).

The Auto function will assign devices as follows:

- If there is a device already in the middle of a tab, it will auto assign around it not overwrite it
- If a Device List filter has been selected, it will only assign devices that are visible in the List meaning that the filters apply.
- Alternatively, choose which devices are to be assigned by selecting their names from the list; multiple devices can be selected use Cmd/Ctrl (to select individually, in any order) or Shift (large group selection). The grid will be filled in the order of selection.
- A device can only be assigned once. The names of devices already assigned are shown in italics.
- Auto can be used as many times as required and will assign any RedNet or Red range device that isn't already in a tab.
- Red range devices will each be assigned to a single tab.
- Auto is not available when the grid is locked.

Tab Drop-Down Menu

Right-clicking on any tab brings up its drop-down menu:

 Rename Tab – Press Enter to confirm the change or press Esc, or click anywhere else, to cancel

The name can also be changed by double-clicking the current name

- Clear Absent Devices Removes the GUI for inactive devices
- Clear All Devices Empty the grid and return device names to the Device List

Tab Ribbon

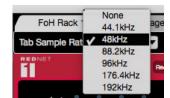
 Tab Sample Rate - Allows each tab to be assigned an individual sample rate. Also see page 19: Global Manager.

If any device added to the tab is set to a different sample rate, the sample rate indication will change to red. To force all devices to conform to the tab sample rate press the **Conform** button. Alternatively, select a different sample rate from the drop-down list.

Tab Follow Device – The drop-down allows the tab to follow any device on the network and will automatically update that tab's sample rate to match the device. This can be useful for, say, a device connected to Pro Tools.

Note. If the devices in a tab are following another device, at say 192kHz, and the user changes the tab sample rate to 48kHz, this will highlight the Follow Device in red because it has been overridden and is no longer following the same sample rate. Select 'None' to clear.





Stage	None
Tab Follow Devic	RedNet-1
	RedNet-2
	RedNet-3
	RedNet-4
	RedNet-5
- 0 - 038	RedNet-6
18	RedNet-6-1
3D 42	RedNet-A16R
07 08	RedNet-A8R
038	RedNet-AM2

Device Control

The graphical image for each device displays its current operational condition, signal levels and control settings for each channel. Also shown are the PSU and network status icons. Controls displayed are appropriate to each device. Please refer to each device's User Guide for its full operational details.

Some RedNet devices have too many controls and indicators to be easily viewed in a single image. For these devices the graphical display is separated into two* pages: Live and Setup - Click Live to show level metering, or click Setup to show channel function settings. Alternatively, PCIe channel groups will appear as 1-64 / 65-128.

MP8R Setup

RedNet MP8R 'Live' View

*Graphical controls for the **Red range** devices are split across five pages. See pages 12-16 for the additional information.

- Channel Gain can be set by either of the following methods:
 - Click inside the channel's gain-control icon and use the scroll-wheel/trackpad. Holding down Cmd/Ctrl will slow the gain step changes to allow fine control



- Double-click the gain icon to enter a numerical dB value via the keyboard press Enter to confirm or press Esc (or click again anywhere outside the control icon) to cancel
- Click an icon to toggle the associated **Channel Function** on/off. Using Option/Alt-click will apply the setting to all channels simultaneously
- A device's **Name** can be set either by changing it in the device plugin, right-clicking it in the Device List or via the 'Dante Controller' application



RedNet MP8R 'Setup' View

Status Icons

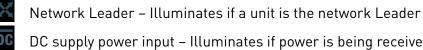
The status icons for PSUs and the network are shown at the left side of each device window:

PSUs A & B – Each illuminates if PSU has power input and all DC outputs are present

Networks - Each illuminates if a valid connection is present

Locked – Unit is successfully locked to the network (changes to the red cross if not locked)

External Clock – Green: unit is locked to the external source, Yellow: unit is locking, Red: unit is attempting to identify a network, Off: no network



DC supply power input – Illuminates if power is being received from the external DC supply

PoE power input – Illuminates if DC power is being received via the Ethernet cable

Channel Clipping Indication

In addition to the device level-meter displays, RedNet Control provides two additional indicators to draw attention to devices that have clipping audio:

- In the Device List, the name of a clipping device will change to red
- If the device with a clipping channel is not visible in the current tab, the name of the appropriate tab will show red to direct you to that device

Note. Double-clicking on a device name in the Device List will automatically jump to the tab that it is currently populating and will ID the unit in the grid.

To clear clip indicators:

- On a device Click on a clip LED to clear all clips on that device
- In a tab Use the shortcut: Cmd/Ctrl—Shift-C
- Globally Use the shortcut: Cmd/Ctrl-Shift-Alt-C

To clear clip indicators automatically, select "Automatically Clear Clip" from the Preferences Menu.

Mac: RedNet Control 2 > Preferences PC: File > Preferences

The clip indication hold time and threshold Level can both be adjusted using the sliders.

м	etering	
	Automatically Clear Clip	
	Clip Hold Time	0
		0 seconds
	Clip Level	0
		0 dBFS

ID (Identification)

ID can be enabled either by clicking on the appropriate ID icon (D) or by right-clicking on a device's name in the Device List.

When enabled, ID will identify the device being controlled by flashing its front panel LEDs. The device GUI will also flash (the black background behind the meters/switches) to confirm that ID is active.

The device background will also flash when the Reverse ID function is activated via the front panel of devices such as RedNet AM2.



Device Control...

Device Settings

Click a device's Tools icon \bigotimes to open its tools/settings window. Some devices have multiple pages for their settings options (as for the RedNet MP8R shown).

Device controls and settings can be configured and/or toggled directly, in real time, using these pages. For additional information, please refer to the 'Tools Menu' section in a device's User Guide.

The left pane of each Settings window provides an overview for each device, showing: its hardware **Information**, its PSU and network **Status**, its **Clock** settings and its **Dante Domain Manager Permissions** state.

nformation		Preferred Leader
Name	RedNetRack-MP8R	Enable
Vodel	RedNet MP8R	
irmware	4.0.8888.8888	
Primary IP	169.254.12.233	MIDI Channel
Primary MAC	00:1D:C1:0B:5E:08	Select
Secondary IP	N/A	Off 😔
Secondary MAC	00:1D:C1:0B:5E:09	
		Yamaha-ID
		Select
		Off 😔
Status		
PSU A		
PSU B	:	008 -308 -608
Primary Network		
Secondary Network		
Network Locked	•	Front Panel Lockout
		Enable
Clock		Fan
Sample Rate	192kHz	Enable
Pull Up/Pull Down	None	
Network Sync	Leader	AES70
		Enable
		V
Dante Domain Mana	aor Dorminsions	

Clock Settings

Select the Clock page, on applicable devices, to open the Clocking window.

Select **Internal (Dante)** to allow a device to follow the network settings of the tab in which it resides.

Select **External** to choose from the list of external hardware sources – the user will then be prompted with a choice of external management options:

• Automatic – The device automatically becomes the Primary Leader and removes the Preferred Leader status from all other devices.

Should the Primary Leader fail, the network will automatically find a new leader, which will be internally clocked (as all devices have now had Preferred Leader status removed and only a Primary Leader can be clocked externally).

• Manual – Does not change the Preferred Leader status of any other devices on the network.

If an external Word Clock generator is feeding multiple devices on a network and one of the devices fails, then instead of the network moving over to an internal clock, it will switch to another device which will be receiving the same external clock signal.





Red Range Control

Graphical control for the Red 4Pre, Red 8Pre and Red 16Line units is separated into five pages:

- I/O Control & Metering
- Monitor Control

- Output Routing
- Custom Mixes

• Input Routing

I/O Control and Metering

In this view, control functions, gain settings and signal levels are shown for all inputs and outputs. *Image shown below is for the Red 8Pre.*



Analogue Input – Channel controls operate in the same manner as RedNet devices – See page 9 for details. For channels with gain controls and input functions, the level meter indicates the post-processing signal.

Analogue Output – Shows the level setting, signal level, and Mute/Dim status for each channel. To adjust individual levels, click & drag the sliders. Click a Mono or Stereo button to toggle between mono and stereo output.

ADAT / S/PDIF / Loopback / Dante I/O – Signal level meters are shown for each input channel (top row) and each output channel (lower row).

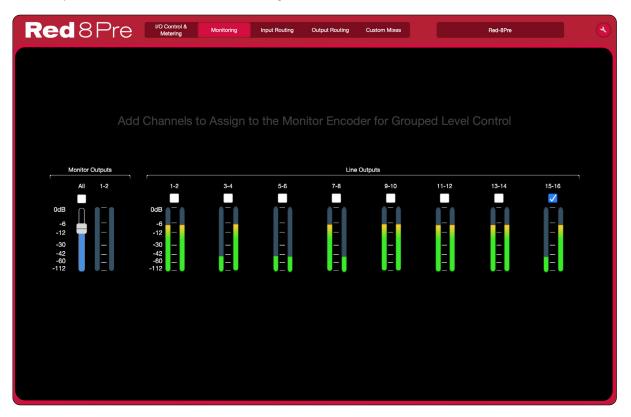
Monitor and Headphone levels – Output levels can be adjusted using the sliders. Click a Mono or Stereo button to toggle between mono and stereo output.

Monitor Control

The Monitor Control page assigns analogue output channels to the rotary output encoder.

Add or remove channel pairs using the individual checkboxes. Note that linked faders will be shown in blue on the Input Control and Metering page.

The Output Encoder level can be set using the slider.



All – Selects all channel pairs. Individual channel pairs can then be deselected as required.

Input Routing

Because the number of channels available reduces when operating at higher sample rates, Input Routing allows the channel order to be re-arranged so that all input signals required can be accessed by a DAW.

Use each drop-down list in the table to move input channels in pairs. For example, in the image below, ADAT inputs 2.5-2.6 are being sent to DAW channels 25–26. This means that when selecting inputs 25-26 on a track in a DAW, ADAT inputs 2.5-2.6 on the Red device will be recorded.

Each DAW input channel pair can be allocated independently.

Red 8Pre I/O Control & Metering Monitoring Output Routing Custom Mixes Red-8Pre Input Routing 4 DAW Inputs DAW Inputs 44.1 / 48 kHz 1-2 Analogue 1-2 • 31-32 Dante 3-4 ► 88.2 / 96 kHz Analogue 3-4 Dante 5-6 ► 3-4 ► 33-34 176.4 / 192 kHz Analogue 5-6 Dante 7-8 ► 5-6 35-36 7-8 Analogue 7-8 37-38 Dante 9-10 **Restore Defaults** 9-10 Line 9-10 ► 39-40 Dante 11-12 ► Line 11-12 Dante 13-14 ► 11-12 41-42 13-14 Line 13-14 43-44 Dante 15-16 ► Current Sample Rate: Line 15-16 Dante 17-18 ► 15-16 45-46 96 kHz S/PDIF L-R Dante 19-20 17-18 47-48 19-20 Loopback 1-2 49-50 Dante 21-22 ADAT 1.1-1.2 Dante 23-24 21-22 51-52 ► ADAT 1.3-1.4 ► 23-24 Dante 25-26 53-54 25-26 ADAT 2.1-2.2 ► 55-56 Dante 27-28 ► 27-28 ADAT 2.3-2.4 ► 57-58 Dante 29-30 ► Dante 1-2 Dante 31-32 29-30 59-60 ►

The default routing can be modified independently for each of the three sample rates.

Restore Defaults – Returns the routing (at the currently selected sample rate) to the layout defined in the unit's standard routing table.

Undo – Cancels the change made to the last input selection.

Output Routing

Provides control of output channel routing and DAW allocation.

Use the drop-down menus to allocate a destination to each channel output. Selecting MONO splits a channel pair into two signals which can be routed independently.

Use each slider to set the output level of the currently selected channel.

The default routing can be modified independently for each of the three sample rates.

Red	8Pre	I/O Contro Metering	I& Mo a Mo	onitoring Input Routing	Output I	Routing Custom Mixes		Red-8Pr	,	٩
Out	puts	Mode		Output Channel So Stereo (Mono)	urce	(Mono)			Analogue	
1	Monitor 1-2	Mono	Stereo	Mix A	•				Digital	
2	Headphones 1	Mono	Stereo	Mix B	•				Dante	
3	Headphones 2	Mono	Stereo	Mix C	•					
4	Line 3-4	Mono	Stereo	Playback 7	•	Playback 8	•	F	Restore Defaults	
5	Line 5-6	Mono	Stereo	Playback 9-10	•					
6	Line 7-8	Mono	Stereo	Playback 11	•	Playback 12			Undo	
7	Line 9-10	Mono	Stereo	Playback 13		Playback 14				
8	Line 11-12	Mono	Stereo	Playback 15	•	Playback 16		Cu	rent Sample Rate 96 kHz	
9	Line 13-14	Mono	Stereo	Playback 17-18]
10	Line 15-16	Mono	Stereo	Analogue 1-2	•				Line 17-18	
11	Line 17-18	Mono	Stereo	ADAT 1.1-1.2	•				Mono Stereo	
								Mute	1 2 15 16 	

Restore Defaults – Returns the routing (at the currently selected sample rate) to the layout defined in the unit's standard routing table.

Undo – Cancels change made to the last input selection.

Custom Mixes

The internal audio mixer allows you to create up to eight separate mono or stereo sub-mix signals.

Up to 30 of all the available inputs can be selected as sources for the mixer. Once selected, these input signals will then become available to all mix outputs. Tailored mixes, with individual levels, can easily be created by muting unwanted channels.

Each mixer output can have an individual balance of fader levels, mute and channel pan settings.



The upper part of the window shows the available inputs. Select up to 30 signals which will become the sources for the mixer.

Click on a Mix button to recall its channel fader, mute and pan settings.

Use the channel faders to set the required signal level for each source signal. Press **Mute** to deselect signals that are not required. The pan slider **CON** sets the L/R position on mono channels and the L/R balance on stereo channels. Click on **Solo** to audition channel signals.

Clear Solo – Deselects all active channel Solo buttons.

Mute – Mutes the selected mix output.

Copy Mix/Paste Mix – Copies/pastes all fader and pan settings from one mix to another.

Toolbar Menus

File Menu

Preferences* – Pop-up window:

- Select the Ethernet network interface(s)
- Set the MIDI Mic Pre Input & Output device and control protocols
- Set the MIDI Quick Recall device and channel numbers and select which messages are to be read
- Metering: **Clip Hold** sets the time for which a clip flag remains highlighted and **Clip Level** sets the dBFS level above which clipping will be indicated

*Mac 'Preferences' are located under the 'RedNet Control 2' menu

0	Pre	feren	ces		
Network					
Primary Network Interface	en4	0			
	172.44.60.176				
Secondary Network Interface	None	0			
MIDI Mic Pre Setup					
MIDI Input Device	RedNet Control	0			
MIDI Input Protocol	Off	0			
MIDI Output Device	RedNet Control	0			
MIDI Output Protocol	Off	0			
MIDI Quick Recall Setup					
MIDI Input Device	Off	0	MIDI Note	🗹 SysEx	🗹 Program Chang
MIDI Input Channel	Channel 1	٢			
Netering					
Automatically Clear Clip					
Clip Hold Time					
	0 seconds				
Clip Level	0	-			
	0 dBFS				
					Close

Audio/MIDI Setup (Mac) PCIe Card Settings (PC) – Audio I/O format and MIDI setup.

Refresh Device List – Removes devices no longer available and adds new device names on the network to the Device List.

Upgrade Devices – On start-up, RedNet Control will prompt the user if there is a newer firmware version available. The Upgrade Devices window can be used to update the firmware at a later time; it will indicate any devices for which an update is available.

	Upgrade Devices	
Select All Select None		
RedNet-2		
Upgrade	Upgrade available	
RedNet-3		
Upgrade	Upgrade available	
RedNet-6-1		
Upgrade	Upgrade available	
RedNet-A8R		
Please note that the upgrade proces	ss will reboot devices.	
Upgrade		Close

Session Save / Load – Will save and return to previous state: tabs, tab names, device location in tabs, the grid plus filters and searches (but not the Preferences or Device Settings).

Note that RedNet Control can be launched by double-clicking on a session file.

Device Save (Applicable only to devices with mic pres) – Select which mic preamp settings you wish to save - a snapshot window will confirm the selection. A file will be created for the selected preamp type.

Device Load (Applicable only to devices with mic pres) -

Lists the devices on the network and the drop-down list shows snapshots that can be uploaded to the device.

Note that the same snapshot can be uploaded to multiple devices of the same type.

Pressing the + button expands the window to allow individual recall parameters to be selected or deselected for each channel.

			Lo	ad Snapsho				
Device on Netw	ork	S	napshot to	Upload				
+ Foo	usriteRed	NetMP8R	FocusriteF	RedNetMP8R	0			
Parameters to	be recall	ed						
	1	2	3	4	5	6	7	8
Gain								
-20dB Pad								
Impedance							~	
+48V								
Phase								

00

Device on Network

Save Snapshot

Load Snapshot

Snapshot to Upload

FocusriteRedNetMP8R FocusriteRedNetMP8R

es will be

RedNet-4 🗹 RedNet-MP8R 🗹

RedNet-MP8R-1 RedNetMP8R-1 Y007-RedNet--MP8R Cancel

Log Messages – Opens the Log messages window which displays diagnostic, network, system and hardware status information.

The message display can be filtered by un-ticking individual checkboxes in the header. Note that the logging of deselected parameters continues in the background.

			Log Messages			
	Filters					
k - indicates standard devic	Ce Warnings	Network Changes	File Operations	V Firmware Upgrade	Information	
ges	2016-11-11T14:47:25 P 2016-11-11T14:47:25 P	SU A connected RedNet MP8R RedN SU A connected RedNet MP8R Y007 SU A connected RedNet MP8R RedN SU A connected RedNet MP8R RedN	-RedNetMP8R 169.254.12.23 et-MP8R 169.254.11.27	33		
– indicates major issues	2016-11-11T14:47:25 P 2016-11-11T14:47:25 P 2016-11-11T14:47:26 F	SU A connected RedNet AI6R RedNe SU A connected RedNet AI6R RedNe SU A connected RedNet D16R AES R irmware upgrade required RedNet 5 irmware upgrade required RedNet 2	et-A16R 169.254.235.149 edNet-D16R 169.254.11.57 RedNet5-BKN 169.254.155.212	2		
– indicates important	2016-11-11T14:47:26 F 2016-11-11T14:47:26 F	irmware upgrade required RedNet 3 irmware upgrade required RedNet 3 irmware upgrade required RedNet 3 ab "FoH Rack 1" follow device set to	RedNet-3 169.254.163.60 RedNet-3 169.254.163.60			
ork changes	2016-11-11T14:48:49 1 2016-11-11T14:51:24 R	ab FoH Rack 1 blow device set to 4 edundant network mode RedNet D16 etwork sync not locked RedNet D16F	8000 R AES RedNet-D16R 169.254.1			
n – indicates important save	e 2016-11-11T14:51:35 P 2016-11-11T14:51:36 P	etwork sync locked RedNet D16R AE SU A disconnected RedNet D16R AES SU A connected RedNet D16R AES R irmware upgrade required RedNet A8	RedNet-D16R 169.254.11.57 edNet-D16R 169.254.11.57			
le - indicates firmware	2016-11-11T14:52:51 F 2016-11-11T14:52:51 F	irmware upgrade required RedNet D1 irmware upgrade required RedNet 5 F irmware upgrade required RedNet 6 F	RedNet5-BKN2 169.254.49.59 RedNet-6-1 169.254.69.125			
te status	2016-11-11T14:52:51 F 2016-11-11T14:52:52 F	irmware upgrade required RedNet D1 irmware upgrade required RedNet 5 F irmware upgrade required RedNet D1 irmware upgrade required RedNet 5 F	RedNet5-BKN2 169.254.49.59 6R AES RedNet-D16R-2 169.2	54.10.217		
					Save Logs	Close
						Save Logs

Quit RedNet Control 2 – Closes the application.

Mac 'Quit RedNet Control 2' is located under the 'RedNet Control 2' menu.

Global Menu

Global Manager

The Global Manager window displays the sample rate settings for all tabs and devices on the network.

If devices have been enrolled into domains via Dante Domain Manager, use the drop-down list to select the visible domain.

The values for Follow Device selection, Sample Rate and Pull Up/Down offset can be entered, in real time, on a per-tab basis.

Tabs can be expanded to show the devices they contain, allowing Sample Rate and Pull Up/Down settings to be modified for individual units.

Tab name and device name will be shown in red text for any device that does not match the sample rate previously set via the Tab ribbon.

Apply to all tabs Apply to all Focusrite Pro devices on the network Apply to all Dante devices on the network obal Tab 1	Follows		
Apply to all Dante devices on the network obal Tab 1	1		
obal Tab 1	1		
Tab 1	1		
Tab 1		Sample Rate	Pull Up/Down
	None	None	0%
	None	None	0%
RedNetRack-5	None	44.1 kHz	0%
RedNetRack-D16R	None	48 kHz	0%
RedNetRack-3	None	96 kHz	0%
RedNetRack-6	None	44.1 kHz	0%
RedNetRack-MP8R	None	192 kHz	0%
Tab 2	None	None	0%
RN-A8R-0e5874	None	48 kHz	0%
Tab 3	None	None	0%
Tab 4	None	None	0%
Tab 5	None	None	0%
Tab 6	None	None	0%
Tab 7	None	None	0%
Tab 8	None	None	0%
Focusrite Devices not in a Tab	None	None	0%
3rd Party Dante Devices	None	None	0%

Use the Global drop-down lists and buttons to configure all tabs and devices simultaneously.

Dante Menu

Dante Controller – Switches to or launches the Dante Controller application.

Dante Domain Manager – Pop-up window, shortcut: Cmd/Ctrl-O: Provides automatic or manual login to the Dante Domain Manager (DDM).

- A DDM Server must be present on the network
- DDM Login Password and username must exactly match that of the Dante Domain Manager server

If devices have been enrolled into domains, they will not be identified in the Device List and will not populate the grid until the correct username and password have been entered

Successful login will take you to the Unmanged domain. The default access level in the Unmanaged Domain is ADMIN.

For each domain, access to device controls and to certain Tools menu options will be blocked depending on access level. Three access levels are available:

Admin - Has unrestricted access (normal use)

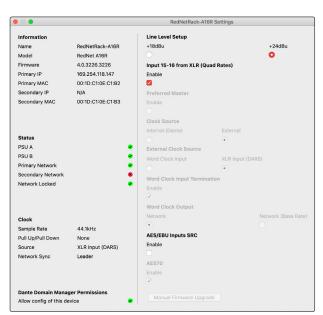
Operator – Has access to everything apart from:

Preferred Leader Clock Source Word Clock Input Termination Word Clock Output AES70 Enable/Disable

Guest – Has no access to the Tools options and cannot modify any device parameters or controls. Guests only receive visual confirmation (providing their DDM permissions are set appropriately)

Guests are able to change settings that only affect their session.

🛑 🔿 🔹 Da	ante Domain Manage	er Login
DDM Login		
Username Password	admin	
Connection Method	1	
Automatic Manual	ddm.local.:8	8443
DDM Server Nam	ne or IP Address	ddm.local.
DDM Server Port	Number	8443
		Connect
		Disconnected
	Log	g In Cancel



Oomain Unmanaged

•

Tools Menu with 'Operator' Access

Toolbar Menus...

Quick Recall Menu

Setup Quick Recall – Opens the Quick Recall window.

Note that if you have snapshots allocated to any of the 16 Quick Recall slots, the menu will extend to include:

Recall I (<File location & Name>)

Recall 5 (<File location & Name>)

	Qu	ick Recall					
File				Shortcut	MIDI Note	SysEx	Program Change
/Users/cameronstevenson/Desktop/Reset Session.rnc2session	Browse	Clear	Load +48V	℃第1	- 🖸 - 😂	0	
	Browse	Clear	Load +48V	℃₩2	- 🖸 - 🖸	1	3
	Browse	Clear	Load +48V	℃ #3	D 🗘 4 🗘 62	2	21
	Browse	Clear	Load +48V	℃₩4	- 🗘 - 🗘	3	12
	Browse	Clear	Load +48V	℃第5	- 0 - 0	4	121
	Browse	Clear	Load +48V	℃#6	- 0 - 0	5	32
	Browse	Clear	Load +48V	~	- 0 - 0	6	13
	Browse	Clear	Load +48V	て第8	- 🖸 - 😂	7	14
	Browse	Clear	Load +48V	~ 第9	- 🖸 - 🖸	8	7
	Browse	Clear	Load +48V	ご第0	- 0 - 0	9	8
	Browse	Clear	Load +48V	飞企第1	- 🗘 - 🗘	10	
	Browse	Clear	Load +48V	飞企第2	- 0 - 0	11	
	Browse	Clear	Load +48V	飞 合 第 3	- 🗘 - 🗘	12	
	Browse	Clear	Load +48V	℃企器4	- 🖸 - 🖸	13	
	Browse	Clear	Load +48V	飞企第5	- 0 - 0	14	
	Browse	Clear	Load +48V	飞企第6	- 0 - 0	15	
							Close

- Select a MIDI Note using the dropdown lists (ISO Standard: C-1 = 0 to G9 = 127). The associated MIDI number will be displayed next to the Note
- SysEx is static from 0 to 15 (Value). The SysEx message structure is shown below:

	Start SysEx	Manu	ufactur	er ID	SW	RedNet Control	Version	Device Type	Device Index	Mic Pre Channel	Para- meter	Value	End SysEx
Hex	F0	00	20	29	7E	02	00	7F	7F	7F	00	?	F7
Dec	240	0	32	41	126	2	0	127	127	127	0	?	247

The number under 'Value' is the variable (recall) 0 to 15 which aligns to the Quick Recall Menu

• Program Change can be any value from 0 to 127

You cannot have duplicates of a Program Change number or MIDI Note settings.

Hot Swap Device – Allows a device in the grid to adopt a missing device's parameters.

To replace a device: drag its image on top of another; the replacement device must be of the same type.

After activation:

- New device should adopt all parameters
- New device should adopt all tool menus
- New device should adopt all channel names
- New device should adopt all MIDI settings (RN4/ MP8R)
- New device should adopt Yamaha ID (RN4/ MP8R)

• • •)			
Do	o you want to	replace or	shift this cell?	
	Cancel	Shift	Replace	

Appendices

1. Keyboard Shortcuts

Organisation

Add Tab	Cmd/Ctrl-T	Grid size retains previous selection
Delete Tab	Cmd/Ctrl-W	
Next Tab	Tab	
Previous Tab	Shift-Tab	
Lock/Unlock Grid	Cmd/Ctrl-L	Or click 'Lock' symbol
Rename Next Tab	Tab	First, double-click name to edit
Rename previous Tab	Shift-Tab	

Device Control/Settings

Device Control/Settings		
Change Gain (Mouse/Trackpad)		Click+drag or scrollwheel
Precision/Slow Gain	Cmd/Ctrl	Whilst changing gain, levels or Pan
Change Gain (keyboard)	Double-Click ins	side gain knob to enter dB value, 'Enter' to accept
Device global function setting	Option/Alt-Click	Applies setting to all channels on current device
Clear all clip indications in a tab Clear all clip indications globally	Cmd/Ctrl-Shift-C Cmd/Ctrl-Shift-Alt	t—C
Locate a device in any tab	Double-Click its name in th	he Device List – Device will ID for several seconds
Remove plugins from Tab* Remove plugins from all Tabs* *Mac only. Only applies when in the	Cmd-Backspace Cmd-Shift-Backspace Device Settings window	For a device no longer on the network

Device Specific

RedNet MP8R – PAD	Shift-click on the gain dial	Toggles PAD on/off
Clear Custom Mixes Move between page views	Cmd/Ctrl-N Arrow Keys	Red range devices Red range; RedNet 4; RedNet MP8R RedNet PCIe and RedNet PCIeR
I/O Routing – Cascade channels	Cmd/Ctrl-Option/Alt-Shift	Red range devices
Faders to minimum Faders to maximum	Option/Alt-Click Shift-Option/Alt-Click	Red range devices Red range devices

System

Launch Dante Domain Manager Cmd/Ctrl-O

Appendices...

2. Customer Support

You can contact our dedicated RedNet Customer Support team free of charge:

Email: <u>https://pro.focusrite.com/technical-support</u>

Phone (UK): +44 (0)1494 836384

Phone (USA): +1 (310) 450-8494