



# NUAGE

**NUAGE MASTER**

CONTROL SURFACE

**Ncs500-CT**

**NUAGE FADER**

CONTROL SURFACE

**Ncs500-FD**

**NUAGE I/O**

AUDIO INTERFACE

**Nio500-D16/A16/A8D8**

## V1.7 Supplementary Manual

This supplementary manual explains features and functions that have been added or changed in NUAGE V1.7. Please read it together with other manuals related to NUAGE.

### Main changes

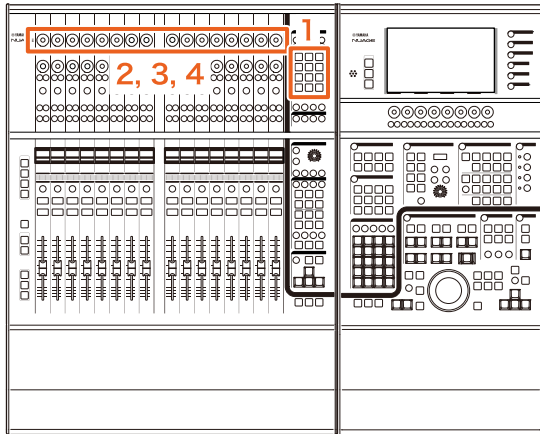
• Channel Connection for VCA Fader	(Nuage Fader)	<a href="#">page 2</a>
• Assignment Change for Keys in SECTION CONTROL Section	(Nuage Fader)	<a href="#">page 2</a>
• Assignment Change for Keys in CHANNEL VIEW CONTROL Section	(Nuage Fader)	<a href="#">page 3</a>
• Expanded CHANNEL VIEW Memory	(Nuage Fader)	<a href="#">page 3</a>
• Display All Function for All Channel Types	(Nuage Fader)	<a href="#">page 3</a>
• Expanding and Collapsing Folder Tracks	(Nuage Master)	<a href="#">page 4</a>
• New Parameter Setting Method for Quick Controls	(Nuage Fader, Nuage Master)	<a href="#">page 4</a>
• Expanded Adjustment Function for “Mixer” Window Width	(Nuage Fader)	<a href="#">page 5</a>
• Support for GPIO	(Nuage Master)	<a href="#">page 6</a>
• Setting Automation Mode for Each Track	(Nuage Master)	<a href="#">page 8</a>
• Insert Operation for Control Room Channels	(Nuage Master)	<a href="#">page 8</a>
• New Parameters in the CONTROL ROOM Page	(Nuage Master)	<a href="#">page 9</a>
• New Settings for Saving Project Files	(Nuage Master)	<a href="#">page 10</a>
• Support for Avid Pro Tools Shortcut Keys	(Nuage Master)	<a href="#">page 10</a>
• Support for the Avid Pro Tools Insert	(Nuage Fader)	<a href="#">page 11</a>
• Display Method for NUAGE PT Bridge Window	(NUAGE PT Bridge)	<a href="#">page 14</a>
• Lock Function for the Dante Network Interface	(Nuage I/O)	<a href="#">page 14</a>
• Initializing Direct Monitoring Settings	(Nuage I/O)	<a href="#">page 15</a>

## Channel Connection for VCA Fader (Nuage Fader)

You can now use Nuage Fader to connect or disconnect channels for a VCA fader created in Nuendo (7 or later).

### Operation

Numbers in the illustration below correspond to the instruction steps.

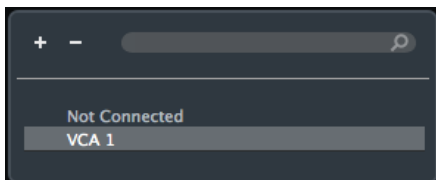


1. Press [VCA] in the SECTION CONTROL section.

#### NOTE

You must connect "VCA" to one of the buttons in the SECTION CONTROL section in advance (page 2).

2. Press the [Multi function knob] (upper) corresponding to the channel you want to connect to (or disconnect from) a VCA fader. The pop-up window is displayed in "Mixer."



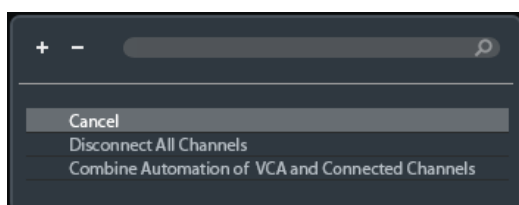
#### NOTE

If the VCA fader has not been created, only "Not Connected" is displayed.

3. Turn the [Multi function knob] (upper) to select the VCA fader for connection (or "Not Connected").
4. Press the [Multi function knob] (upper). This connects the channel to the VCA fader (or, disconnects).

#### NOTE

If you press the [Multi function knob] (lower) that corresponds to the VCA fader, the pop-up window below is displayed and you can change the settings of the VCA fader.

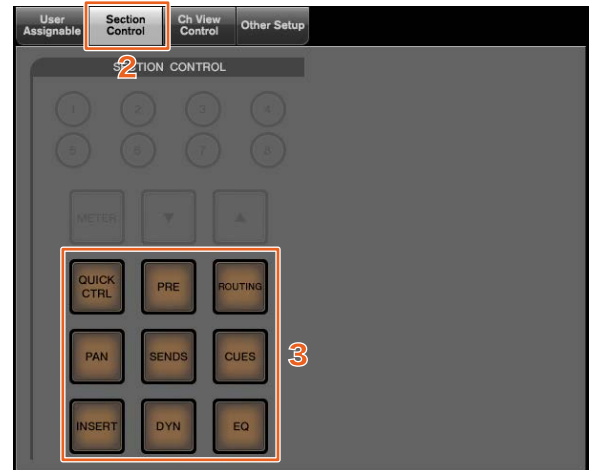


## Assignment Change for Keys in SECTION CONTROL Section (Nuage Fader)

You can now change the assignment of keys in the SECTION CONTROL section.

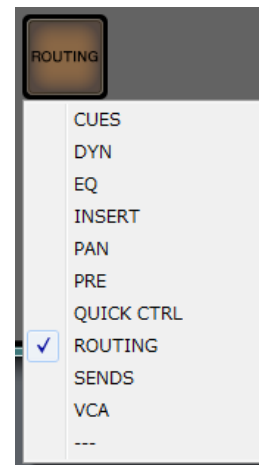
### Operation

Numbers in the screen shot below correspond to the instruction steps.



1. From the Nuendo or Cubase menu, click "Devices," then "NUAGE FADER Setup."
2. Click the "Section Control" tab.
3. Click the key for which you want to change the assignment.

Selectable functions are displayed in a pop-up list.



4. Select the function to be assigned to the key from the list.

#### NOTE

- Select "---" to release the assignment.
- In addition to changing the assignment, we recommend that you also change the key labels on the Nuage Fader. The keycaps on the Nuage Fader are removable.

# Assignment Change for Keys in CHANNEL VIEW CONTROL Section (Nuage Fader)

You can now change the assignment of keys in the CHANNEL VIEW CONTROL section.

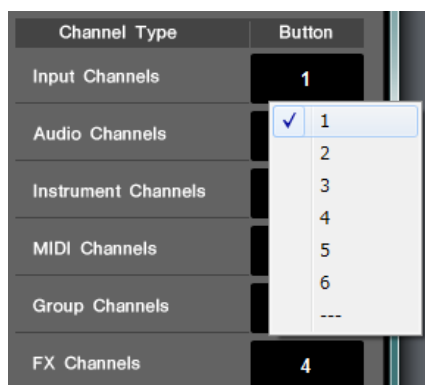
## Operation

Numbers in the screen shot below correspond to the instruction steps.



1. From the Nuendo or Cubase menu, click “Devices,” then “NUAGE FADER Setup.”
2. Click the “Ch View Control” tab.
3. Click the number in the “Button” section located next to the “Channel Type.”

The key numbers are displayed in a pop-up list.



4. Select the number of the key to be assigned to the desired Channel Type.

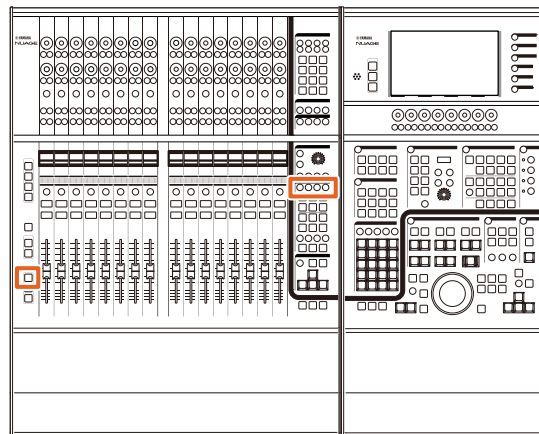
## NOTE

- You can assign multiple Channel Types to a key.
- In addition to changing the assignment, we recommend that you also change the key labels on the Nuage Fader. The keycaps on the Nuage Fader are removable.

# Expanded CHANNEL VIEW Memory (Nuage Fader)

There are now eight save slots for CHANNEL VIEW memory that can be used for storing and recalling channel display statuses.

## Operation



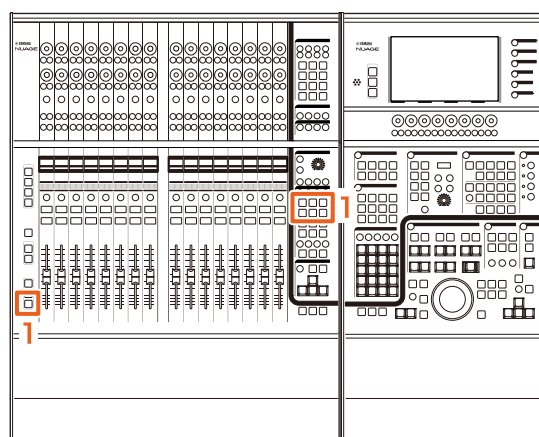
- There is no change to the operations for memory 1 to 4. Hold the key for two seconds or more to store the channel view, and press it quickly to recall the channel view.
- While holding down [SHIFT], press one of the keys from [CHANNEL VIEW memory 1] to [CHANNEL VIEW memory 4] to store or recall the channel view corresponding to memory 5 to 8.

# Display All Function for All Channel Types (Nuage Fader)

You can now display all channel types that correspond to [INPUT], [AUDIO], [OUTPUT], [FX], [GROUP], or [OTHERS] in the CHANNEL VIEW CONTROL section.

## Operation

Numbers in the illustration below correspond to the instruction steps.



1. While pressing [ALT] in the MODIFIER section, press either [INPUT], [AUDIO], [OUTPUT], [FX], [GROUP], or [OTHERS].

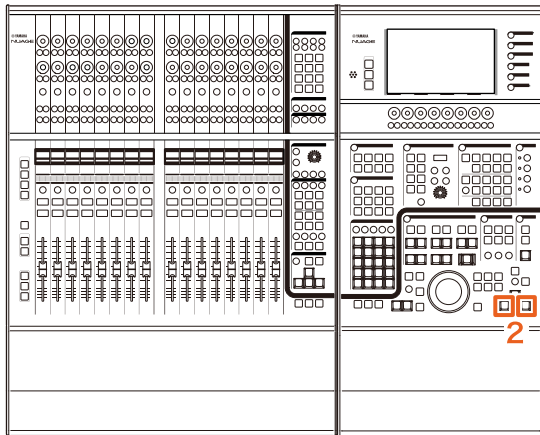
All channel types that correspond to [INPUT], [AUDIO], [OUTPUT], [FX], [GROUP], or [OTHERS] are displayed.

## Expanding and Collapsing Folder Tracks (Nuage Master)

You can now expand and collapse a folder track using Nuage Master when you have selected a folder track in the project window.

### Operation

Numbers in the illustration below correspond to the instruction steps.



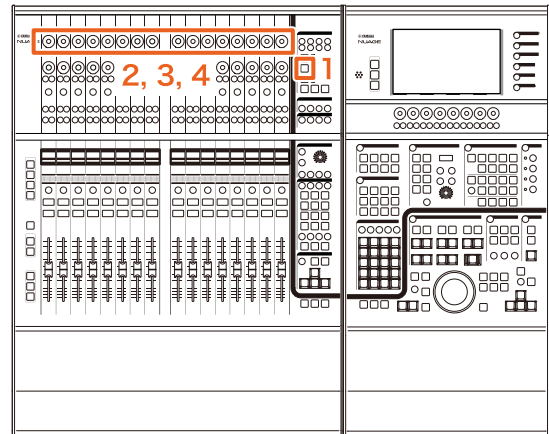
1. Select a folder track on the project window in Nuendo or Cubase.
2. Press [◀] and [▶] in the GENERAL CONTROL section simultaneously.  
This expands the folder track when it is collapsed, and collapses it when it is expanded.

## New Parameter Setting Method for Quick Controls (Nuage Fader, Nuage Master)

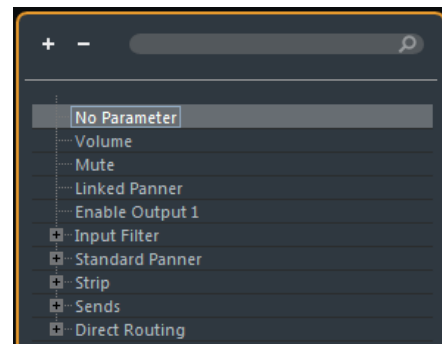
You can now set the parameter assignments for the “Quick Controls” from Nuage Fader or Nuage Master.

### Operation (Nuage Fader)

Numbers in the illustration below correspond to the instruction steps.



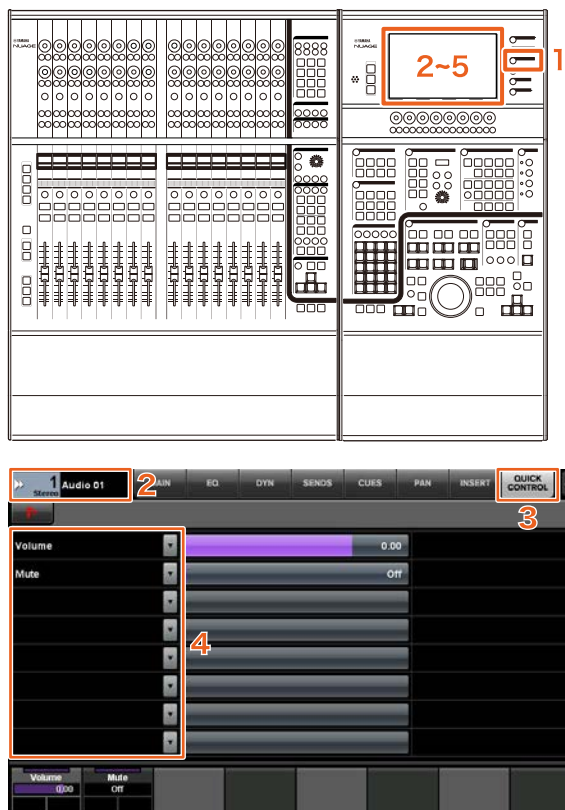
1. Press [QUICK CTRL] in the SECTION CONTROL section.
2. Press the [Multi function knob] (upper) for the parameter you want to change.  
The pop-up window is displayed in the “Mixer.”



3. Turn the [Multi function knob] (upper) to select the parameter to be assigned.
4. Press the [Multi function knob] (upper).  
This assigns the parameter to the [Multi function knob]. If you select “No Parameter,” the assignment is canceled.

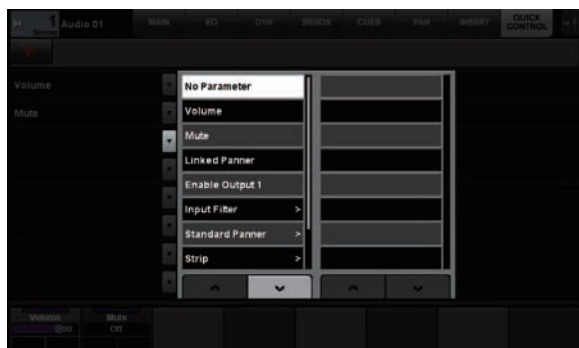
## Operation (Nuage Master)

Numbers in the illustration below correspond to the instruction steps.



1. Press [CHANNEL] in the MULTI FUNCTION DISPLAY section.
2. In the [Multi function display], touch the “Channel information,” then select the channel for you want to change the “Quick Control” parameters.
3. In the [Multi function display], touch the “QUICK CONTROL” tab.
4. In the [Multi function display], touch the parameter of the [Quick control] to be changed.

The pop-up window is displayed.



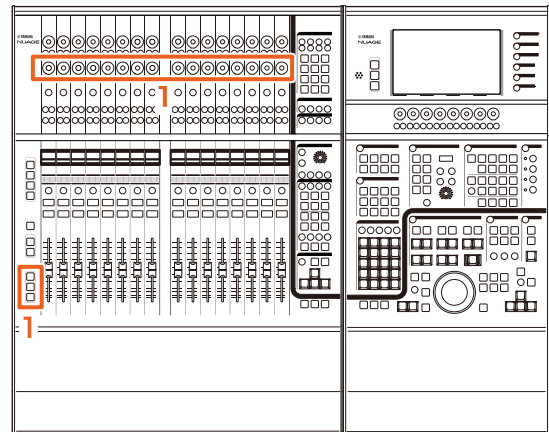
5. Touch the parameter to be assigned.

## Expanded Adjustment Function for “Mixer” Window Width (Nuage Fader)

In addition to the conventional items, you can now also adjust the “Mixer” bottom positions.

### Operation

Numbers in the illustration below correspond to the instruction steps.



1. While pressing the [SHIFT], [CTRL], and [ALT] keys in the MODIFIER section at the same time, operate a [Multi function knob] (lower). Depending on the [Multi function knob] you operate, you can adjust the positions of the left edge, right edge, bottom edge, or the meter length for the “Mixer.” Refer to the label area on the “Mixer” for which [Multi function knob] corresponds to which adjusted item.

### NOTE

While pressing the [SHIFT], [CTRL], and [ALT] keys in the MODIFIER section at the same time, press an item from [Sub parameter 1] in the SECTION CONTROL section to [Sub parameter 4] to switch the display showing the “Mixer.”

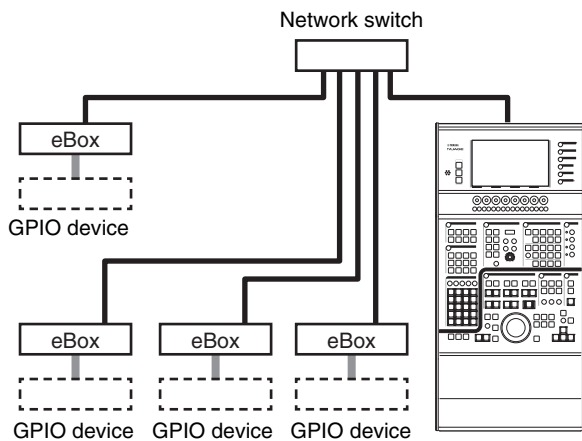
## Support for GPIO (Nuage Master)

You can now receive GPIO input in Nuage Master or output GPIO signals from Nuage Master via JL Cooper eBOX/eBOX GPI8.

### NOTE

- Nuage Master plays the role as an eBOX client, so set all eBOX devices that communicate with Nuage Master to server mode.
- To ensure proper communication, turn off the eBOX password function.

### Connection example

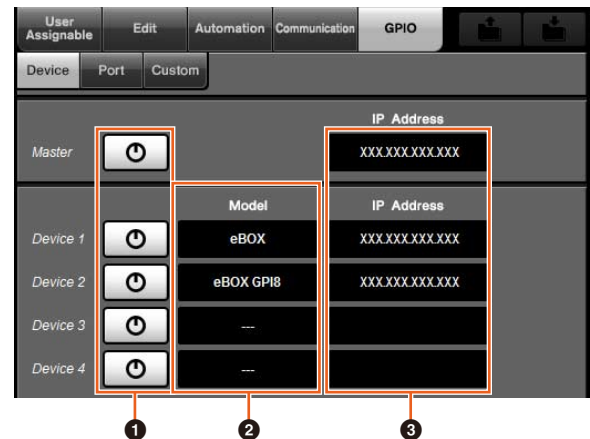


### Operation

1. From the Nuendo or Cubase menu, click “Devices,” then “NUAGE MASTER Setup.”
2. Click the “GPIO” tab.
3. Perform the settings on each of the following pages.

## Device page

Enables you to set whether to turn the GPIO function on or off, and perform basic settings for using the GPIO function.



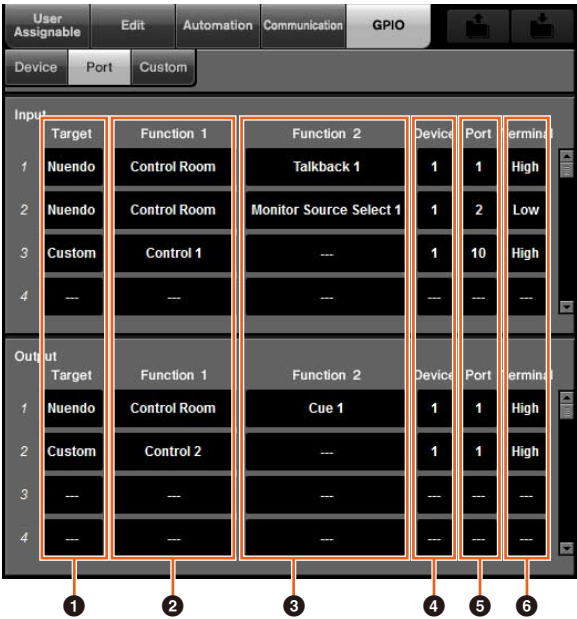
- 1 **On/Off**  
Turns the GPIO function of Nuage Master and eBOX on (lit) or off (not lit).
- 2 **Model**  
Enables you to select the type of eBOX connected to the GPIO device. You can connect up to four eBOX or eBOX GPI8 devices.
- 3 **IP Address**  
Enables you to input the Nuage Master and eBOX IP addresses. Set the separate IP addresses for Nuage Master and each of the eBOX devices.

Example:

Nuage Master	192.168.254.103
eBOX1	192.168.254.102
eBOX2	192.168.254.104

# Port page

Enables you to select the GPIO functions. You can select up to 32 functions for input and output, respectively.



## 1 Target

Enables you to select either a DAW or “Custom” for the input and output targets. You can define the details of the “Custom” function on the Custom page.

## 2 Function 1

Enables you to select the GPIO functions. When a DAW is set to Target, then “Control Room” is selected automatically. When “Custom” is set to Target, then you can select from the functions defined on the Custom page.

## 3 Function 2

Enables you to select the GPIO functions. When a DAW is set to Target, you can select the function from the pop-up list displayed when you touch this item. When the “Custom” is set to Target, then “---” is selected automatically.

## 4 Device

Enables you to select the eBOX for the input and output targets. The numbers in this column correspond to Device 1 to Device 4 set on the Device page.

## 5 Port

Enables you to select the port (GPIO terminal pin) for the eBOX set in the Device column. Port 1 uses pin 2, port 24 uses pin 25. Refer to the eBOX manual for details.

## 6 Terminal

Defines the output port voltage and operation performed by the input port voltage.

High	For Input, this turns on when the input port voltage is High. For Output, the output port voltage is set to High when the function is on.
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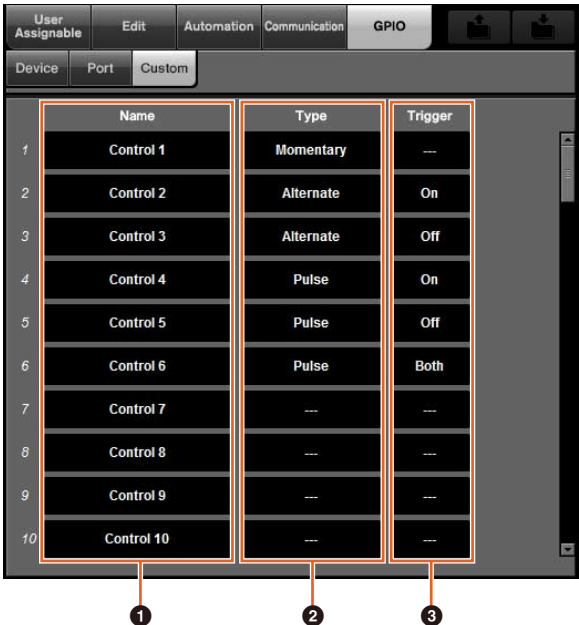
Low

For Input, this turns on when the input port voltage is Low.

For Output, the output port voltage is set to Low when the function is on.

# Custom page

Enables you to define the GPIO functions. You can define up to 16 functions.



## 1 Name

Enables you to add a name for the GPIO function to be defined.

## 2 Type

Enables you to select “Momentary,” “Alternate,” or “Pulse” for the input/output signal type.

Momentary	Turns the function on while the related input port is on.
Alternate	Turns the function on or off each time the Trigger condition is met.
Pulse	Turns the function on for a set amount of time (approx. 250 ms) directly after the related input port meets the Trigger condition.

## 3 Trigger

Enables you to define the condition for turning output on or off. When “Type” is “Momentary,” this item does not need to be set. When set to “Alternate,” output is inverted under the following conditions. When set to “Pulse,” output turns on under the following conditions.

On (Alternate/Pulse)	Output is changed when the related input port changes from off to on.
Off (Alternate/Pulse)	Output is changed when the related input port changes from on to off.
Both (Only Pulse)	Output is changed when the related input port changes from on to off or off to on.

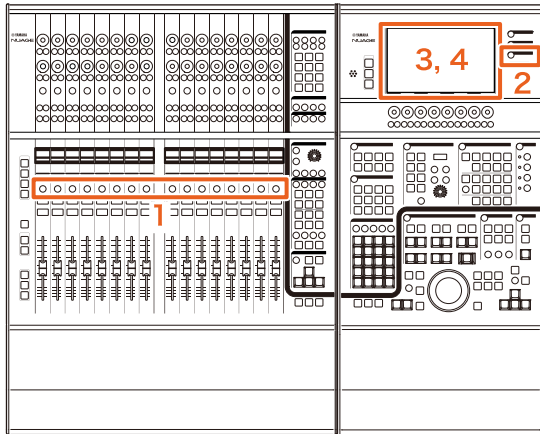


## Setting Automation Mode for Each Track (Nuage Master)

You can now use the [Multi function display] to set the automation mode for each track.

### Operation

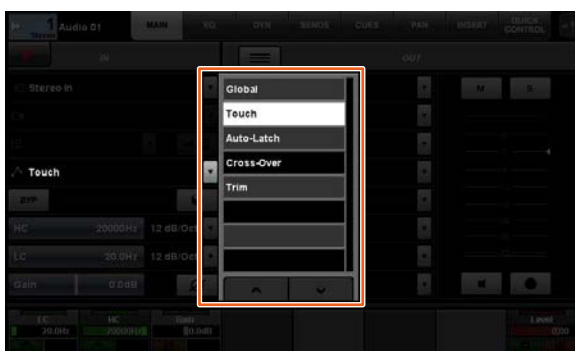
Numbers in the illustration below correspond to the instruction steps.



1. Press [SEL] in the SECTION CONTROL section to select the desired track for setting the automation mode.
2. Press [CHANNEL] in the MULTI FUNCTION DISPLAY section.
3. Touch the area enclosed in the red square in the window image below.



4. Touch the automation mode to be set to the track.

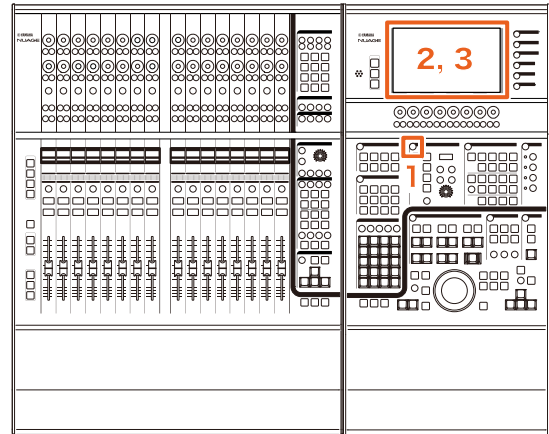


## Insert Operation for Control Room Channels (Nuage Master)

You can now use the [Multi function display] to operate the "Insert" to each channel in the Control Room.

### Operation

Numbers in the illustration below correspond to the instruction steps.



1. Press the [Display access] button in the CONTROL ROOM section.
2. In the [Multi function display], touch the "INSERT" tab.



3. Configure the "Insert" settings. Refer to the window description below for details.



## Control Room – INSERT page



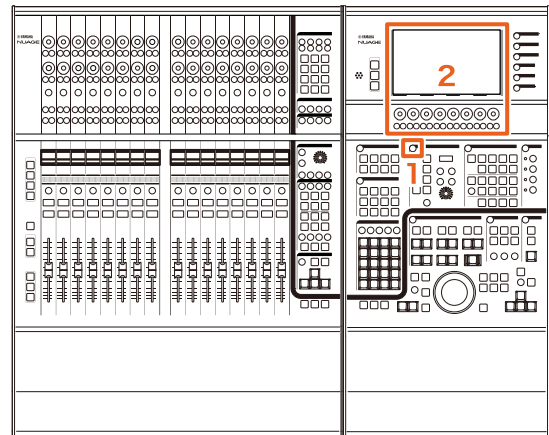
- 1 Control Room channel selection area** Enables you to select the target channel for "Insert."
- 2 Insert** Displays the assigned plug-in effects. Touch the effect name to display the window for selecting the plug-in effect.
- 3 Preset** Displays the selected presets. Touch the preset name to display the window for selecting the presets.
- 4 On/Off** Turns the "Insert" on (blue) or off (silver).
- 5 BYP** Turns the "Bypass" on (orange) or off (silver).
- 6 e (Edit)** Displays the PLUG-IN page for the assigned plug-in effects.

## New Parameters in the CONTROL ROOM Page (Nuage Master)

You can now operate the Click Level, Click Pan, Listen Level, and Listen Dim on the CONTROL ROOM page.

### Operation

Numbers in the illustration below correspond to the instruction steps.



- 1. Press the [Display access] button in the CONTROL ROOM section.**
- 2. Change the parameter using the [Multi function knob] corresponding to the display in the Label Pane area.**



### NOTE

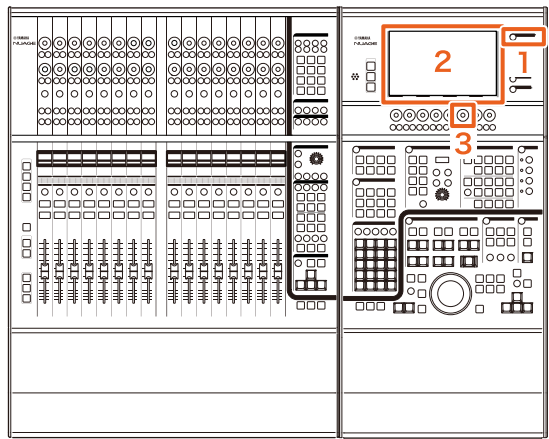
Click Level and Click Pan can be switched using [Multi function button A] and [Multi function button B].

# New Settings for Saving Project Files (Nuage Master)

You can now select whether to overwrite the project file or save as a new file when you press [SAVE] in the GENERAL CONTROL section.

## Operation

Numbers in the illustration and screen shot below correspond to the instruction steps.



1. Press [SETUP] in the MULTI FUNCTION DISPLAY section.
2. In the [Multi function display], touch the "PAGE 3" tab.
3. Select the method for saving project files using the [Multi function knob] that corresponds to "Save Button Operation."

Save	Overwrites the project file.
Ver.	Saves the project file as a new file.

## NOTE

The file name for a project file saved as a new file adds branch numbers such as "-01" and "-02" to the original file name.

# Support for Avid Pro Tools Shortcut Keys (Nuage Master)

You can now assign Avid Pro Tools shortcut keys to Nuage Master's USER ASSIGNABLE keys.

## Operation

Numbers in the screen shot below correspond to the instruction steps.



1. On a Mac with Avid Pro Tools, click  or  on the menu bar.

## NOTE

If the icons are not displayed, install NUAGE PT Bridge in TOOLS for NUAGE.

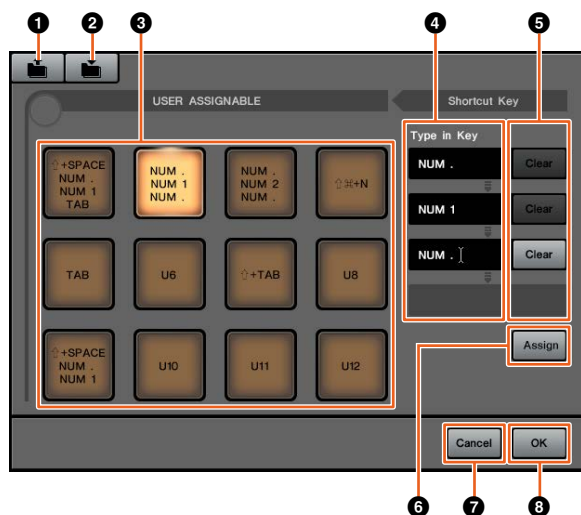
2. Click "User Assignable Setup."
3. Click any USER ASSIGNABLE key on the window.  
The shortcut key assigned to the key you clicked is displayed in the "Type in Key" section under "Shortcut Key" on the window. (A blank is displayed if a shortcut key is not assigned.)
4. Click a shortcut key (or blank) displayed in the Type in Key section, then press a key on the computer keyboard.

## NOTE

- You can register up to four keys to a USER ASSIGNABLE key. For example, if you register "." (period), "1," and "." (period) to [U2], when you press [U2], it is recognized by the system that you pressed these three buttons in order, and memory location 1 will be called up.
- You can register keys such as ⌘ (Command), ^ (Control), and ⇧ (Shift) in combination with other keys.
- If you press a key that cannot be used as a shortcut key, "Not Available" will be displayed, and that key will not be registered.

5. Click the "Assign" button.  
The change in the shortcut keys is reflected in the on-screen USER ASSIGNABLE key.
6. Click "OK."  
The change in the shortcut keys is reflected in the Nuage Master USER ASSIGNABLE keys.

## User Assignable Setup window



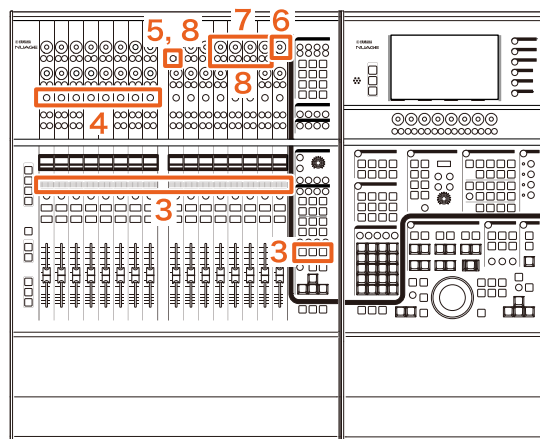
- 1 Open**  
Reads the saved shortcut key assignments.
- 2 Save**  
Saves the shortcut key assignment. The shortcut key assignment is saved as an “.NPTB” file.
- 3 U1 – U12**  
Displays the assigned shortcut keys. Click the key to display the assigned shortcut keys in the Type in Key section.  
**NOTE**  
You can double-click this button to change the name of this button.
- 4 Type in Key**  
Displays the shortcut keys assigned to the selected USER ASSIGNABLE key. Click a shortcut key (or blank) displayed in the Type in Key section, then press a key on the keyboard to register the shortcut key to be assigned. (The change is not reflected until you click the “Assign” button.)
- 5 Clear**  
Clears the shortcut key assignment. (The change is not reflected until you click the “Assign” button.)
- 6 Assign**  
Reflects the shortcut keys displayed in the Type in Key section to the on-screen USER ASSIGNABLE key. The display of the on-screen USER ASSIGNABLE key changes to the assigned shortcut keys when you click this button.
- 7 Cancel**  
Discards the change in shortcut keys. The settings for the Nuage Master USER ASSIGNABLE keys are not changed.
- 8 OK**  
Reflects the change in the shortcut keys in the Nuage Master USER ASSIGNABLE keys.



## Support for the Avid Pro Tools Insert (Nuage Fader)

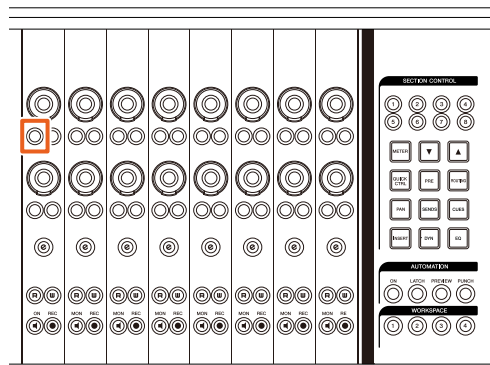
You can now use the “Insert” of Avid Pro Tools using Nuage Fader. You can use “Insert” on any channel and edit the “Insert” parameters.

### Operation (Insert assignment)

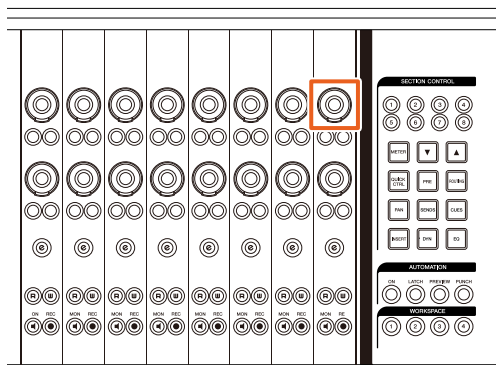
Numbers in the illustration below correspond to the instruction steps.



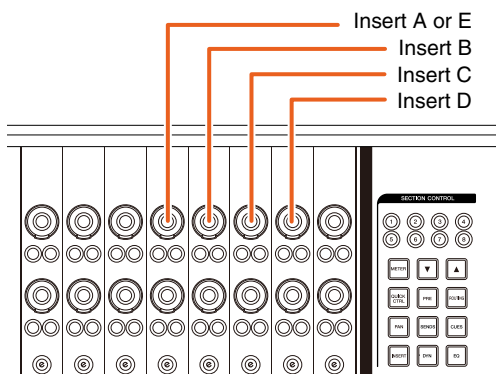
- 1. On the Mac with Avid Pro Tools, click  or  on the menu bar.**  
**NOTE**  
If the icons are not displayed, install NUAGE PT Bridge in TOOLS for NUAGE.
- 2. Click “Plug-in Panel.”**
- 3. Move the channel for which “Insert” is used to somewhere between 1 and 8 in the CHANNEL STRIP section of the Nuage Fader.**  
**NOTE**  
If you are using multiple Nuage Faders, use 1 to 8 in the CHANNEL STRIP section of the Nuage Fader on the far left.
- 4. Press [e] button of the moved channel for which “Insert” is used.**
- 5. Press the ninth [Multi function button A] from the left.**  
“ASSIGN” will flash in red.



6. Turn the 16th [Multi function knob] from the left of the Nuage Fader CHANNEL STRIP section (the far right knob), then select from group A – D or E for which insert is used.  
“Insert 1 – 4” (A – D) or “Insert 5” (E) will be displayed on the Plug-in Panel window.

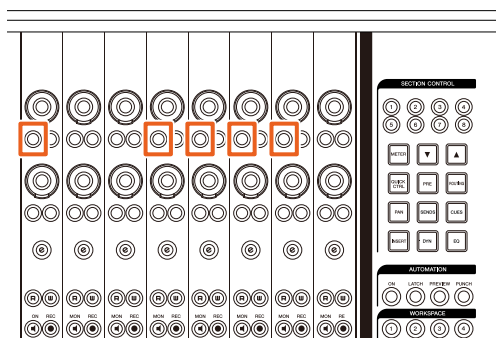


7. Turn the [Multi function knob] to select the insert. The [Multi function knob] to be operated varies depending on the target slot for “Insert.”



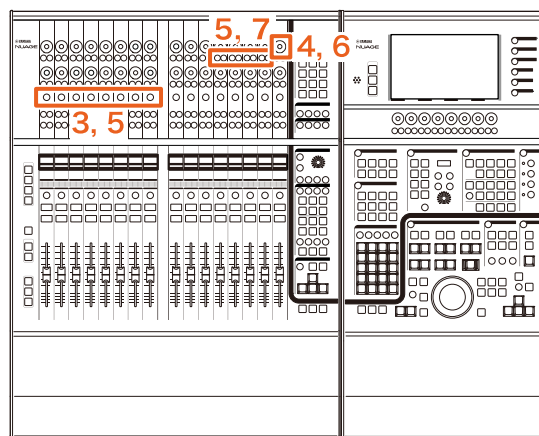
8. Press the ninth [Multi function button A] from the left or the one that corresponds to the channel with insert.

The selected insert is assigned.



## Operation (Parameter change)

Numbers in the illustration below correspond to the instruction steps.



1. On a Mac with Avid Pro Tools, click  or  on the menu bar.

### NOTE

If the icons are not displayed, install NUAGE PT Bridge in TOOLS for NUAGE.

2. Click “Plug-in Panel.”

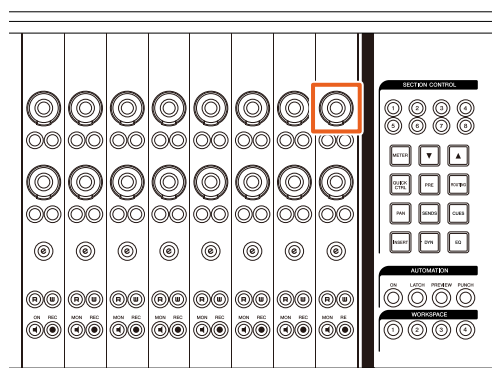
3. Select the “Insert” for which you want to change the parameters on Avid Pro Tools.

### NOTE

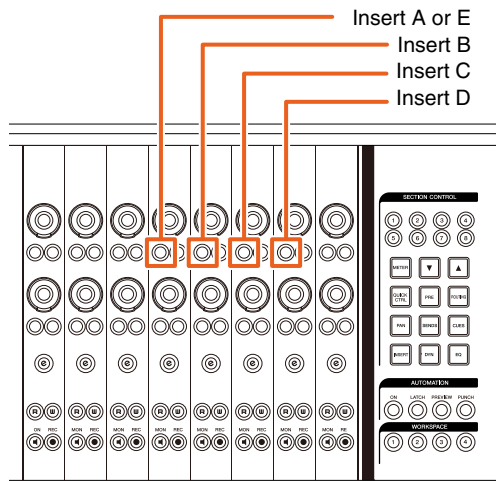
You can also select the corresponding channel using the [e] button for 1 to 8 in the CHANNEL STRIP section of the Nuage Fader.

4. Turn the 16th [Multi function knob] from the left of the Nuage Fader CHANNEL STRIP section (the far right knob), then select from group A – D or E depending on which insert is used.

“Insert 1 – 4” (A – D) or “Insert 5” (E) will be displayed on the Plug-in Panel window.



5. Press the [Multi function button A] that corresponds to the “Insert” you want to change the parameters of.

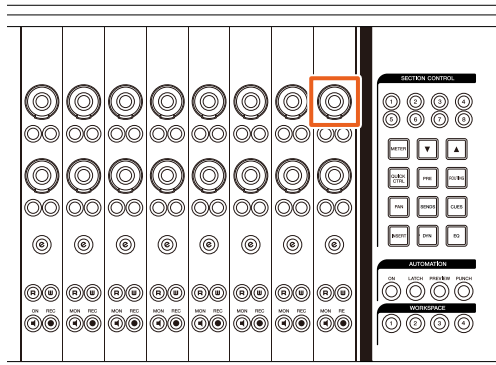


#### NOTE

Instead of steps 4 and 5, by quickly pressing the [e] button of 1 to 8 in the CHANNEL STRIP section of the Nuage Fader twice, you can call up the parameters of the plug-in being inserted to the corresponding channel. In this case, the selected insert will be switched each time you quickly press the [e] button twice.

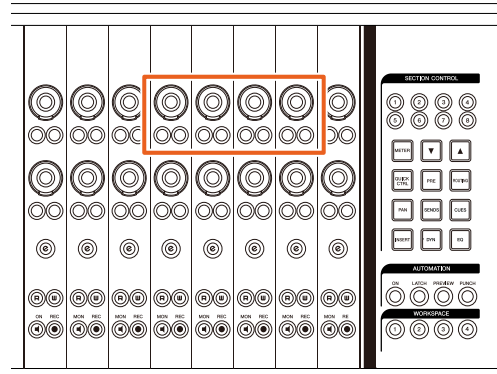
6. Turn the 16th [Multi function knob] from the left of the Nuage Fader CHANNEL STRIP section (the far right knob), then select a parameter.

Four parameters will be displayed at the same time.



7. Turn the [Multi function knob] or press the [Multi function button] corresponding to the parameter and change the parameter's value.

The value you change to will immediately be applied.



#### NOTE

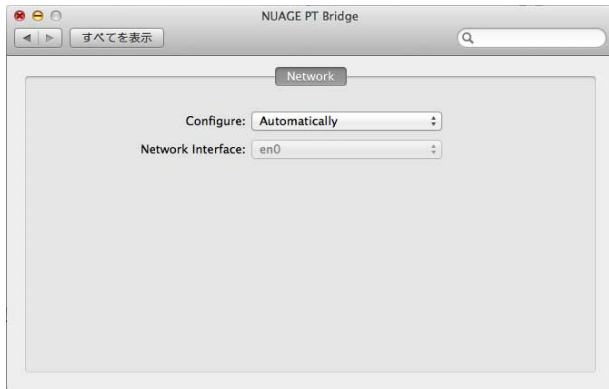
- You can press the 10th [Multi function button A] from the left to compare it to the parameter before editing. Press the button again to return to the changed value.
- You can press the 11th [Multi function button A] from the left to bypass the “Insert.” Press the button again to return to turn the bypass off.



## Display Method for NUAGE PT Bridge Window (NUAGE PT Bridge)

The procedures for displaying the following window, which was conventionally displayed in the computer's "System Preference," were added or changed.

### Network window



### Operation

1. On a Mac with Avid Pro Tools, click  or  on the menu bar.

#### NOTE

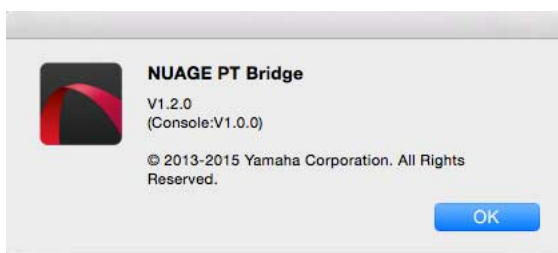
If the icons are not displayed, install NUAGE PT Bridge in TOOLS for NUAGE.

2. Click "Network Setup."

#### NOTE

You can also display the window by selecting "System Preferences," then "NUAGE PT Bridge" as before.

### About window



### Operation

1. On a Mac with Avid Pro Tools, click  or  on the menu bar.

#### NOTE

If the icons are not displayed, install NUAGE PT Bridge in TOOLS for NUAGE.

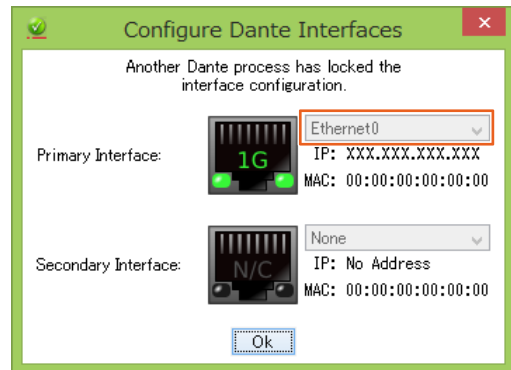
2. Click "About."

## Lock Function for the Dante Network Interface (Nuage I/O)

A lock function has been added so that the Dante network interface is not changed while Nuendo or Cubase is running.

#### NOTE

While Nuendo or Cubase is running, the list for Dante Controller interface selection turns gray and cannot be selected.



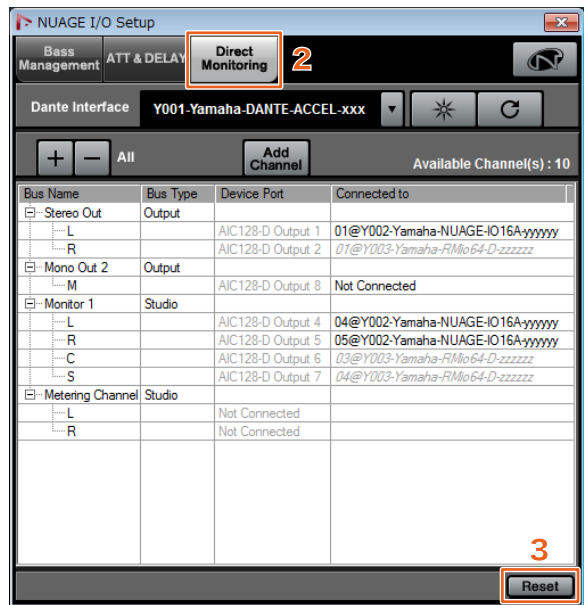


# Initializing Direct Monitoring Settings (Nuage I/O)

You can now initialize the settings for direct monitoring in Nuage I/O.

## Operation

Numbers in the screen shot below correspond to the instruction steps.



- 1. From the Nuendo or Cubase menu, click “Devices,” then “NUAGE I/O Setup.”
- 2. Click the “Direct Monitoring” tab.
- 3. Click “Reset.”

The direct monitoring settings are initialized, and the buses are automatically set using the following priorities.

Priority 1	Control Room bus
Priority 2	Output bus



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