



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA CL5/CL3/CL1. You'll find the answers to all your questions on the YAMAHA CL5/CL3/CL1 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA CL5/CL3/CL1
User guide YAMAHA CL5/CL3/CL1
Operating instructions YAMAHA CL5/CL3/CL1
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Instruction manual YAMAHA CL5/CL3/CL1



DIGITAL MIXING CONSOLE

CL5
CL3
CL1

Reference Manual

How to Use This Reference Manual

The CL5/CL3/CL1 Reference Manual (this document) allows you to search for terms and take advantage of links in the text.

Searching for terms

To search for a term, use the search function of the software you're using to view this document.

If you're using Adobe Reader, enter the term in the search box and press the <Enter> key of your computer keyboard to search for occurrences of that term.

Displaying the next/previous view

If you're using Adobe Reader, you can jump to the previous/next view in your viewing history. This is a convenient way to jump back to the previous page after you've used a link to jump to a different page.

Using the Function Tree

A function tree for the CL5/CL3/CL1 is provided on [page 4](#) and following. You can use this function tree to find the page that explains an on-screen display or function.

EN



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NOTE • If an ST IN channel or STEREO channel has been assigned to a single channel strip, you can switch between L and R by repeatedly pressing the same [SEL] key. • You can also switch channels by pressing the channel select field located in the Function Access Area. Press the left side of the field to select the preceding channel. Press the right side of the field to select the next channel. 3.

Use the knobs in the SELECTED CHANNEL section and the buttons on the SELECTED CHANNEL VIEW screen to edit the parameters of the selected channel. 6 Reference Manual SELECTED CHANNEL section SELECTED CHANNEL VIEW screen If the destination bus channels are two mono channels: 1 2 3 1 SEND knob Sets the send level to the corresponding bus. 2 PRE indicator Indicates the send point of the corresponding bus. If the PRE button on the MIX SEND 8ch screen is turned ON, this PRE indicator will be turned on. 3 ON button Switches the send signal to the corresponding bus on or off. If the destination bus is a stereo channel: 1 2 □ SEND field In this field, you can view the send level from the channel to each MIX/ MATRIX bus, switch the on/off status of the send signals, and switch between pre and post. 1 1 SEND/PAN knob 3 1 Tabs Enable you to select a group of 16 output bus channels to be displayed in the SEND field. • MIX1-16 tab...

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..... displays MIX buses 1-16. • MIX17-24/MATRIX tab ..

..... displays MIX buses 17-24 and MATRIX buses 1-8. The view and the function of the knobs and buttons in the SEND field vary depending on whether a pair of bus channels (odd-numbered and even-numbered) are comprised of two mono channels or a stereo channel. The right-hand knob adjusts the level of the signal sent to a pair of bus channels (even-numbered and odd-numbered).

The left-hand knob adjusts the pan and balance of the same signal. 2 PRE indicator Indicates the send point of the corresponding bus.



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If the PRE button on the MIX SEND 8ch screen is turned ON, this PRE indicator will be turned on. 3 ON button Press the right-hand button to switch on or off the signal sent to two bus channels. NOTE • If the indices of a SEND/PAN knob are white, the send point is assigned as PRE; if the indices are black, it is assigned as POST.

• If the send point is PRE, you can specify the PRE point as either VARI [PRE EQ] or VARI [PRE FADER] in the BUS SETUP popup that appears when you press the SETUP button → BUS SETUP button. • If the type of the destination bus is set to FIXED, controllers 1–2 mentioned above will not be displayed. The send level will be fixed at nominal level, and the send point will be fixed at POST FADER. For details, see “Basic settings for MIX buses and MATRIX buses” on page 202. • Press the SEND LEVEL knob or PAN knob on screen to open the SEND 8ch popup window.

7 Reference Manual SELECTED CHANNEL section □ GAIN/PATCH field This field enables you to make HA (head amp) analog gain settings, and view the operational status of the head amp. 2 ST/MONO button Switches the on/off status of a signal sent from the channel to the STEREO/MONO bus. If an INPUT/MIX channel is set to LCR mode, the LCR button appears in location 2. The LCR button is an overall on/off switch for the signals sent from the channel to the STEREO/MONO bus. When a MATRIX, STEREO, or MONO channel is selected: 2 1 GAIN knob Sets the analog gain of the head amp. For a channel to which the head amp has not been patched, a gray circle appears, instead of the knob. Press the knob to open the GAIN/PATCH 1ch popup window. 1 If the Gain Compensation function is turned on, an indicator appears, showing the level of the signal output to the audio network. 2 3 4 1 BALANCE knob If the signal on the selected channel is stereo, the BALANCE knob will appear, enabling you to adjust the volume balance for the left and right channels. If the channel signal is monaural, a gray circle will appear in this location.

Press the knob to open the TO STEREO 8ch popup window. □ INPUT DELAY field This field enables you to view the delay settings. 2 OVER indicator Warns you when the signal is clipping. 1 3 +48V indicator Indicates the phantom power on or off status for the head amp. 4 ∅ (Phase) indicator Indicates the input phase setting for the head amp. NOTE • For an input channel that is patched to an input that has no head amp, 1 will be a gray circle and 3 will not be shown.

For an output channel, 1 will be a gray circle, and 2–4 will not be shown. • If GAIN KNOB FUNCTION is set to DIGITAL GAIN in the USER SETUP → PREFERENCE screen, the digital gain knob will appear for 1, and 3 will not be displayed. For details, refer to “Making HA (Head Amp) settings” on page 30. 1 2 1 ON indicator Indicates the on/off status of the delay.

If the delay is off, the indicator will not be displayed. 2 Delay time The delay value is displayed by milliseconds (ms) and also by currently-selected scale. If the scale uses units of ms, the value in the bottom row will not be displayed. Only the ms value appears in the middle row. Press this field to open the INPUT DELAY 8ch popup window.

□ HPF field (input channels only) This field enables you to set the HPF. □ PAN/BALANCE field This field enables you to switch the on/off status of the signal sent from the selected channel to the STEREO/MONO bus, and adjust the pan and balance. The view and the function of the controllers in this field vary depending on the type of the selected channel. When an input channel or MIX channel is selected: 2 1 1 HPF knob Sets the HPF cutoff frequency. 1 TO STEREO PAN knob Sets the pan position of a signal routed to the STEREO bus.

1 Press the knob to open the STEREO/MONO 8ch popup window. If the ST IN channel is selected, you can specify whether to view the PAN knob or the BALANCE knob in this popup window. For a MIX channel, the PAN knob will appear if the signal is mono, and the BALANCE knob will appear if the signal is stereo. 2 ON button 2 Switches the HPF on or off. If an output channel is selected, a gray circle will appear in location 1, and button 2 will be hidden. 8 Reference Manual SELECTED CHANNEL section □ EQ parameter field This field displays the 4-band EQ parameter settings. 1 Q knob Specifies the Q for each band. If the HIGH band filter type is set to LPF or H. SHELF (highshelving), or the LOW band filter type is set to L. SHELF (lowshelving), the Q knob will not be displayed.

Only the filter type name will be displayed. □ EQ graph field This field graphically indicates the approximate response of the EQ. Press this field to open the HPF/EQ 1ch popup window, in which you can set the attenuator, HPF and EQ. □ DYNAMICS 1/DYNAMICS 2 field This field enables you to view and set the Dynamics 1/2 parameters. 1 1 NOTE • Fully rotating the HIGH band Q knob on the panel counter-clockwise while pressing and holding it down will set the filter type to LPF. Fully rotating the Q knob clockwise while pressing and holding it down will set the filter type to high-shelving. • Fully rotating the LOW band Q knob on the panel clockwise while pressing and holding it down will set the filter type to low-shelving. • If an output channel has been selected, fully rotating the LOW band Q knob on the panel counterclockwise while pressing and holding it down will set the filter type to HPF. • You can also switch the filter type on the HPF/EQ 1ch popup window. 2 2 3 3 4 1 OVER indicator Warns you when the signal is clipping.

2 FREQUENCY knob Sets the center frequency (or cutoff frequency) for each band. 2 Level meter Displays the output signal level (green) and the amount of gain reduction (orange) when the Dynamics is on. The current threshold setting is shown as a white vertical line. 3 GAIN knob Sets the amount of cut/boost for each band. NOTE • If the HIGH band filter type is set to LPF, you can switch LPF on or off using the HIGH band GAIN knob on the panel.

• If the LOW band filter type is set to HPF, you can switch HPF on or off using the LOW band GAIN knob on the panel. • Press each knob to open the HPF/EQ 1ch popup window. 3 Threshold Specifies the threshold. 4 Parameters Indicate the values of parameters that vary depending on the currently-selected dynamics type. Press this field to open the DYNAMICS 1/DYNAMICS 2 1ch popup window, in which you can make detailed parameter settings.

9 Reference Manual SELECTED CHANNEL section □ INSERT field This field enables you to make insert settings. 1 2 4 3 1 Popup button Press this button to open the INSERT/DIRECT OUT 1ch popup window. □ FADER field This field enables you to view and make settings for the channel on/off status and the level. 1 Fader Displays the current level. Use the faders on the top panel to set the levels. 2 3 2 ON button Switches the insert on or off. 1 2 Level indicator Displays the current level setting by numerical value.



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If the signal is clipping at any point in the channel, the Σ CLIP indicator will light. 3 RACK EDIT popup button Appears if an effect or Premium Rack is inserted. Press this button to display the edit screen for the inserted rack.

3 ON button Switches the channel status on or off. The button is linked with the corresponding [ON] key on the top panel. □ DCA/MUTE field This field enables you to view and select the DCA or mute group to which the channel is assigned. 4 IN indicator Appears if a port has been assigned to the insert-in patch. It lights when the signal is sent to the insert-in. □ DIRECT OUT field This field enables you to make insert settings. 1 1 Popup button Press this button to open the INSERT/DIRECT OUT 1ch popup window. The Direct Out level value will appear below the button. 1 Tabs 1 2 Select DCA or mute as a group to set. Press the selected tab once again to open the DCA/MUTE GROUP ASSIGN MODE popup window.

When the DCA group tab is selected: 2 ON button Switches the Direct Out on or off. □ RECALL SAFE field This field enables you to make Recall Safe settings. 2 DCA group select buttons Select the DCA group to which the channel is assigned. 2 3 Mute group indicators 1 Popup button Press this button to open the RECALL SAFE popup window. 1 3 2 Indicate the mute group to which the channel is assigned.

When the mute group tab is selected: 2 ON button Switches the Recall Safe status on or off. 4 Mute group select buttons Select the mute group to which the channel is assigned. NOTE If the dimmer level is set to the mute group, this button lights orange. 5 3 PARTIAL indicator This will light if recall safe applies only to some of the parameters, not to all channel settings. 5 MUTE SAFE button Temporarily removes the channel from the mute group.

6 4 6 DCA group indicators Indicate the DCA group to which the channel is assigned. 10 Reference Manual Centralogic section Centralogic section This chapter explains how to use the Centralogic section and the OVERVIEW screen to simultaneously control up to eight channels. Operations in the Centralogic section Follow the steps below to perform operations in the Centralogic section. 1. About the Centralogic section The Centralogic section is located below the touch screen, and lets you recall and simultaneously control a set of up to eight input channels, output channels, or DCA groups. Use the Bank Select keys in the Centralogic section to select the channels that you want to control. Use the Bank Select keys in the Centralogic section to select the channels or DCA groups that you want to control. When you press a Bank Select key, the LED of that key will light. The touch screen will display the OVERVIEW screen, and the parameters of the eight channels you selected will appear. NOTE When the SELECTED CHANNEL VIEW screen is displayed, you can switch to the OVERVIEW screen by pressing any of the multifunction knobs 1–8.

This is convenient if you want to quickly switch to the OVERVIEW screen while leaving the same channels or DCA groups selected for control. 2. Use the faders and [ON] keys in the Centralogic section to adjust the level of the group of up to eight selected channels and switch them on or off. NOTE • The bottom line of the OVERVIEW screen shows the channels or DCA groups that can be controlled by the faders, [ON] keys and [CUE] keys in the Centralogic section. • The top line of the OVERVIEW screen shows the channels that can be controlled by multifunction knobs 1–8 in the Centralogic section. 3. Use the fields on the OVERVIEW screen and the multifunction knobs to adjust the parameters for the group of up to eight channels. Bank Select keys If you press one of the Bank Select keys, the channels or DCA groups corresponding to that key will be assigned to the Centralogic section, and can be controlled using the faders, [ON] keys, and [CUE] keys in the Centralogic section. 11 Reference Manual Centralogic section OVERVIEW screen □ GAIN/PATCH field This field enables you to make HA (head amp) analog or digital gain settings and view the operational status of the head amp. The view and the function of the controllers in this field vary depending on the type of the selected channel.

If the head amp is patched: 1 GAIN knob 1 Sets the analog gain of the head amp. • Press this field to assign the GAIN knob to the corresponding knob in the Centralogic section, which enables you to adjust the gain. If the Gain Compensation function is turned on, an indicator appears, showing the level of the signal output to the audio network. • If the GAIN knob has been assigned to a knob in the Centralogic section, press the knob to open the GAIN/PATCH 8ch popup window. 2 3 4 2 OVER indicator Lights when the signal at the input port or from the rack output exceeds the full scale level.

This indicator is available only if an input channel is selected. 3 +48V indicator Indicates the phantom power (+48V) on or off status for the head amp. This indicator is not displayed unless the head amp is patched to the channel. 4 Ø (Phase) indicator Indicates the input phase setting for the head amp. This indicator is available only if an input channel is selected.

NOTE • If the slot is not connected to the head amp, the patch and the type of the MY card will be displayed. • If GAIN KNOB FUNCTION is set to DIGITAL GAIN in the PREFERENCE screen, the digital GAIN knob will appear instead of knob 1, and indicator 3 will not be displayed. If the Gain Compensation function is turned on, an indicator appears, showing the level of the signal output to the audio network. □ CHANNEL NAME field This field appears at the top and bottom of the screen and displays the channel number, name, and icon for the currently-selected eight channels. The name of the currently-selected channel is highlighted. : Selected channel : Unselected channel NOTE If you have retained the channels assigned to the faders in the Centralogic section by pressing and holding down a Bank Select key, the channel names shown at the top and bottom of the OVERVIEW screen may differ. If the slot is patched: The slot name will appear. If the rack is connected: The patch and module name will appear. If the output is connected: Only the patch will appear. 12 Reference Manual Centralogic section □ INPUT DELAY field This field displays the delay status for the input channel.

If an output channel has been selected, this field will be blank. Press this field to open the INPUT DELAY 8ch popup window. 1 1 DELAY ON/OFF indicator Indicates the on/off status of the delay. □ INSERT/DIRECT OUT field This field enables you to make insert and Direct Out settings. Press this field to open the INSERT/DIRECT OUT 8ch popup window. □ SEND field This field displays the send level, send on/off status, and pre/post settings for 16 buses. To select the 16 destination buses, use the [MIX 1–16] or [MIX 17–24/MATRIX] key in the SELECTED CHANNEL section on the panel.



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Use the Centralogic multifunction knobs to adjust the send level for each bus. Touch the knob of the bus you want to operate; it will be assigned to the Centralogic multifunction knobs. If it is assigned to the multifunction knobs, touching that knob once again will display the SEND 8ch popup screen. This field varies depending on the type of the destination bus. If the destination bus is VARI (mono): The knob color and scale color indicate the send on/off and pre/post status. If the send is off, the knob color turns gray. With the post setting, the knob scale color turns black. 1 2 1 INSERT ON/OFF indicator Indicates the insert on/off status.

2 DIRECT OUT ON/OFF indicator (input channels only) Indicates the Direct Out on/off status. □ EQ field This field graphically indicates the approximate response of the EQ. Press this field to open the HPF/EQ 1ch popup window, in which you can set the HPF and EQ. NOTE If DCA or monitor has been selected, this field will be blank. If the destination bus is VARI (stereo): If a pair of buses (odd-numbered and even-numbered) are in stereo, the lefthand knob will function as the PAN knob, and the right-hand knob will function as the SEND knob.

□ DYNAMICS 1/2 field This field displays the threshold value and meter for Dynamics 1/2. Press this field to open the DYNAMICS 1/2 1ch popup window. NOTE If DCA or monitor has been selected, this field will be blank. If the destination bus is set to FIXED: The SEND ON/OFF button will appear instead of each knob. 13 Reference Manual Centralogic section □ TO STEREO/MONO field This field displays the on/off status and pan/balance setting of the signal sent to the STEREO/MONO bus. If you press this field, the knob will be assigned to the corresponding knob in the Centralogic section. If you press the field once again, the TO STEREO/MONO 8ch popup window will appear. This field varies depending on the type of the selected channel. When an input channel or MIX channel is selected: □ DCA group field A DCA group (1–16) to which the channel is assigned is displayed on the first or second row in this field. Press this field to open the DCA/MUTE GROUP ASSIGN MODE popup window.

1 2 1 TO STEREO PAN knob Sets the pan position of a signal routed to the STEREO bus. Press the knob to open the STEREO/MONO 8ch popup window. If the ST IN channel is selected, you can specify whether to view the PAN knob or the BALANCE knob in this window. For a MIX channel, the PAN knob will appear if the signal is mono, and the BALANCE knob will appear if the signal is stereo. □ Mute group field A mute group (1–8) to which the channel is assigned is displayed on the third row in this field. If the channel has been temporarily removed from the mute group, “S” (Safe) will appear on the third row. If the dimmer level has been set for a mute group, the color of the characters changes from red to orange. Press this field to open the DCA/MUTE GROUP ASSIGN MODE popup window. 2 ST/MONO indicator Indicates the status of a signal sent to the STEREO/MONO bus. If an input or MIX channel is set to LCR mode, the LCR indicator will be displayed in location 2.

When a MATRIX channel (monaural) or MONO channel is selected: The ΣCLIP indicator appears, indicating that the signal is clipping at some point in the channel. 2 For a stereo MATRIX channel or STEREO channel, the BALANCE knob appears, indicating the balance of the left/right channels. 14 Reference Manual Input and output patching Input and output patching This chapter explains how to edit the input patching and output patching, how to connect inserts, and how to use direct outputs. Input patching CL series consoles and I/O devices feature two types of patching: Dante audio network patching and CL console internal patching. For Dante audio network patching, you will use the DANTE INPUT PATCH popup window.

In this window, you can patch CL console and I/O device inputs. Sixty-four (64) channels can be input from a Dante audio network to a CL series console. You can choose up to 64 channels from maximum of 512 channels (logical value) of Dante audio network signals. Select the I/O devices (within 64 channels) that you want to control from the CL series console. Then, route the input signals (that were patched in the DANTE INPUT PATCH popup window) to channels on the CL series console.

To do this, choose input ports from DANTE 1–64 in the GAIN/ PATCH popup window. NOTE By default, DANTE 1–64 are assigned to input channels 1–64. CL console internal patching and Dante audio network patching The following diagram shows the signal flow through the CL series console, I/O devices, and Dante audio network. I/O device ID #3 I/O device ID #1 Dante-MY16-AUD Dante Network Up to 512 channels (logical value) SW 64/512 I/O device ID #2

Output patching Use the OUTPUT PORT popup window to patch CL console’s output channels and Dante audio network. In this window, assign output channel signals to DANTE 1–64 ports. Dante patching NOTE By default, MIX 1–24 are assigned to DANTE 1–24, MATRIX 1–8 are assigned to DANTE 25–32, STEREO L/R are assigned to DANTE 33/34, and MONO is assigned to DANTE 35. OMNI 8 MY 16 MY 16 MY 16 “Dante” (ports) 64 INPUT PATCH CL internal patching Next, patch the output signals from DANTE 1–64 (assigned in the OUTPUT PORT popup window) to I/O device outputs. Use the OUTPUT PATCH popup window of the I/O device to make these assignments. CL series console 15 Reference Manual Input and output patching Changing the output patch settings To change the patching, you can either select the output port that will be the output destination of each output channel, or you can select the output channel that will be the output source for each output port. In the PATCH/NAME popup window you can change the channel name, icon, and output port assigned to each output channel.

The window includes the following items. 3 4 5 Selecting the output port for each output channel 1. Use the Bank Select keys in the Centralogic section to access the OVERVIEW screen containing the output channel for which you want to assign the output port. Channel number/Channel name 1 2 7 6 1 PATCH button Indicates the port that is patched to the input or output channel. Press this button to enable the PATCH tab at the bottom of the screen. The PORT SELECT popup window will appear, enabling you to select the network and port. 2 Channel select button Selects the channel to set. NOTE Switching channels on this screen will not affect the channel selection on the console. 2. In the top part of the screen, press the channel number/channel name field to access the PATCH/NAME popup window.

3 Channel icon button Indicates the icon and color that are currently selected for the corresponding channel. Press this button to enable the ICON tab at the bottom of the screen. The CH COLOR/ICON popup window will appear, enabling you to select the color, icon, and channel name.



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4 Channel number display box Indicates the channel number. This item cannot be changed.

16 Reference Manual Input and output patching 5 Channel name edit box Indicates the currently-specified channel. Press the inside of this box to enable the NAME tab at the bottom of the screen. The SOFT KEYBOARD popup window will appear, enabling you to edit the channel name. Selecting the output channel for each output port 1. In the Function Access Area, press the SETUP button to access the SETUP screen.

OUTPUT PORT button 6 Category select list Selects the type of the port you want to display on the screen. 7 Port select buttons Enable you to select a port in the current category. To cancel the selection, press the same button once again. 3. Use the output port select tabs and the output port select buttons to specify the output port that will be assigned to that channel. If the output port select buttons are not shown at the bottom of the window, press the PATCH tab. Use the Bank Select keys and the [SEL] keys to switch the output channels being controlled, and specify their output ports in the same way. When you have finished making settings, press the "x" symbol located in the upper right to close the window. You will return to the OVERVIEW screen. 4.

5. 2. In the SYSTEM SETUP field located in the center of the screen, press the OUTPUT PORT button to open the OUTPUT PORT popup window. 17 Reference Manual Input and output patching In the OUTPUT PORT popup window, you can assign the source channel for each output port. This popup window includes the following items. 6 DELAY button Switches the output port delay on or off. 2 7 Ø (Phase) button Switches the phase of the signal assigned to the output port between normal phase and reverse phase. 1 3 4 5 6 7 8 8 GAIN knob Adjusts the output gain of the output port. To adjust this value, press the knob on screen to select it, and then operate multifunction knobs 1–8. Rotate the knob to set the value in the range of –96 to +24 dB in 1. 0 dB steps. Rotate the knob while pressing and holding it down to set the value in 0.1 dB steps. The current value appears immediately below the knob. 9 Level meter Indicates the level of the signal assigned to the output port.

0 Output port select tabs Switch the output ports controlled in the popup window in groups of up to eight ports. Tabs are categorized into three groups: DANTE, SLOT, and PATCH VIEW. To display tabs in the desired group, press the group name button located at the right or left end of the bottom row. 9 3. 0 1 Slot number/Card type If an output channel of slot 1–3 is selected for operations, this area indicates the slot number and the type of I/O card installed in that slot.

Use the output port select tabs at the bottom of the popup window to select the output port you want to control. The tabs correspond to the following output ports. • DANTE 1–8, 9–16, 17–24, 25–32, 33–40, 41–48, 49–56, 57–64 These tabs control the output channels of the Dante connectors. • SLOT1 1–8, 9–16 • SLOT2 1–8, 9–16 • SLOT3 1–8, 9–16 These tabs enable you to control output channels 1–8 and 9–16 of slots 1–3 respectively. • OMNI 1–8 This tab enables you to control OMNI jacks 1–8. • DIGITAL OUT This tab enables you to control the L/R channels of the DIGITAL OUT connector. • PATCH VIEW1 • PATCH VIEW2 These tabs display lists of patches. 2 DELAY SCALE button Press this button to open the DELAY SCALE popup window, in which you can select the unit for the delay time. 3 Output port This is the type and number of the output port to which the channel is assigned. 4 Channel select popup button Enables you to select the channel that you want to assign to the output port.

The name of the currently-selected channel is displayed. 5 Delay time knob Sets the delay time of the output port. Press this knob to select it, and then use multifunction knobs 1–8 to adjust the settings. The millisecond delay time value is indicated above the knob, and the delay time value in the units selected in the DELAY SCALE popup window is indicated below the knob. NOTE If you have selected ms (millisecond) as the scale, the delay time value will not appear above the knob. 4. To assign a channel to an output port, press the channel select popup window for that port. 18 Reference Manual Input and output patching The CH SELECT popup window will appear. This popup window includes the following items. 5.

Use the channel select tabs and the channel select buttons to select the source channel, and press the CLOSE button. You will return to the OUTPUT PORT popup window. NOTE If PATCH CONFIRMATION is ON, a confirmation dialog box will appear when you attempt to change the patch settings. If STEAL PATCH CONFIRMATION is ON, a confirmation dialog box will appear when you attempt to change a location that is already patched elsewhere. 2 1 6. 7. 8. Make settings for delay, phase, and output gain as necessary. Repeat steps 3–6 to assign channels to other output ports. When you have finished making settings, click the "x" symbol in the upper right of the window to return to the previous screen.

Changing the input patch settings This section explains how to change the patching of each input channel. 1 Category select list Selects the category of channel shown in the popup window. The categories correspond to the following channels. They vary depending on the output port type. • MIX/MATRIX.....

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..... MIX 1–MIX 24, MATRIX 1–MATRIX 8 • ST/MONO/MONI/CUE ..

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STEREO L, STEREO R, MONO(C), MONI L, MONI R, MONI C, CUE L, CUE R • DIRECT OUT 1–32.....

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.....
CH1–CH32 Direct Outs • DIRECT OUT 33–64.....

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CH33–CH64 Direct Outs • DIRECT OUT 65–72

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.. CH65–CH72 Direct Outs • INSERT OUT 1–32.....

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... CH1–CH32 Insert-outs • INSERT OUT 33–64 ..

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.. CH33–CH64 Insert-outs • INSERT OUT 65–72

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.....

.... CH65–CH72 Insert-outs • INSERT OUT MIX/MATRIX
. Insert-outs for MIX1–MIX24, MATRIX 1–MATRIX8 • INSERT OUT ST/MONO

.....
..... Insert-outs for STEREO L, STEREO R, and MONO (C) • CASCADE MIX/MATRIX.....

..... MIX1–MIX24, MATRIX1–MATRIX8 • CASCADE ST/MONO/CUE..

.....
... STEREO L, STEREO R, MONO(C), CUE L, CUE R NOTE In the case of the CL3/CL1, channels that do not exist on those models will not be shown. 1. Use the Bank Select keys in the Centralogic section to access the OVERVIEW screen for the input channel to which you want to assign the input source. 2 Channel select buttons Select the channel to be assigned to the output port you selected in step 3. 2. In the top part of the screen, press the channel number/channel name field to access the PATCH/NAME popup window. 19 Reference Manual Input and output patching In the PATCH/NAME popup window you can view and change the channel name, icon, channel color, and input port assigned to each input channel.



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• EFFECT RACK.....

.... FX1L(A)–FX8R(B) • PREMIUM RACK.... PR1L(A)–PR2R(B) 2 3 5 Input port select buttons Assign an input port to the currently-selected input channel. 1
6 Tabs Enable you to switch between items.

3. Access the input port selection screen of the PATCH/NAME popup window, and then use the input port select tabs and input port select buttons to select an input port. NOTE If PATCH CONFIRMATION is ON, a confirmation dialog box will appear when you attempt to change the patch settings. If STEAL PATCH CONFIRMATION is ON, a confirmation dialog box will appear when you attempt to change a location that is already patched elsewhere. 5 4.

4 When you have finished making settings, press the “x” symbol located in the upper right to close the window. You will return to the OVERVIEW screen. NOTE You can also select input ports from the GAIN/PATCH popup window. 6 1 PATCH button Indicates the currently-selected input port. If you press this button when selecting an icon or changing the channel name, you will return to the input port select screen.

5. Repeat step 2–4 to assign input ports for other channels. 2 Channel icon button Indicates the icon that is selected for the corresponding channel. When you press this button, a screen will appear in which you can select an icon or sample name. 3 Channel name input box Indicates the name that is assigned to the corresponding channel. When you press this field, a keyboard window allowing you to assign a name will appear. 4 Category select list Selects the category of input port shown in the popup window. The categories correspond to the following input ports. They vary depending on the channel type. • DANTE1–32 .

.....
...DANTE1–DANTE32 • DANTE33–64 ..

.....
.....DANTE33–DANTE64 • OMNI/PB OUT.....

....OMNI1–OMNI8, PB OUT(L), PB OUT(R) • SLOT1

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.....SLOT1(1)–SLOT1(16) • SLOT2 .

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.....SLOT2(1)–SLOT2(16) • SLOT3

....SLOT3(1)–SLOT3(16) 20 Reference Manual Input and output patching Inserting an external device into a channel If desired, you can insert an effect processor or other external device into the signal path of an INPUT, MIX, MATRIX, STEREO, or MONO channel.

When doing so, the type of input/output port used for the insertion and the location of the insert-out/in points can be specified individually for each channel. 3 INSERT ON/OFF button Switches the insert on or off. To change the currently-selected insert point, press one of the three blocks that does not contain any buttons. 1. As desired, connect your external equipment to an OMNI IN/OUT jack or to an I/O card installed in slots 1–3. NOTE If you install a digital I/O card in a slot and digitally connect an external device, you must synchronize the word clock of the CL console and the external device (see page 198). NOTE You can set the I/O ports to function as an insert for each block. 2. 3. Use the Bank Select keys in the Centralogic section to access the OVERVIEW screen for the channel to which you want to assign the input source.

@@In the INSERT/DIRECT OUT popup window, you can view or change the type of input/output port used for insertion and the location at which insertion will occur. There are two variations of this popup window; one-channel and eight-channel. Each window view includes the following items. 4 APPLY TO ALL

INPUT button (input channels only) Specifies whether the insert position/Direct Out position will be applied to all input channels. 5 APPLY TO ALL OUTPUT button (output channels only) Specifies whether the insert position settings will be applied to all output channels. □ INSERT IN HA field This field will appear if you have selected an input port (that features a head amp) as the insert-in. 6 7 8 INSERT/DIRECT OUT popup window (1ch) 3 6 +48V button 1 2 Switches head amp phantom power (+48V) on or off. 7 A.GAIN knob Indicates the analog gain setting for the head amp. Press this knob so that you will be able to use the multifunction knob to adjust the gain.

8 HA meter 4 1 INSERT OUT button 5 Displays the level of the HA input signal. Press this button to open the PORT SELECT popup window, in which you can select an output port. The name of the currently-selected port appears on the button. 2 INSERT IN button Press this button to open the PORT SELECT popup window, in which you can select an input port. The name of the currently-selected port appears on the button.

21 Reference Manual Input and output patching INSERT/DIRECT OUT popup window (8ch) 1 2 3 4 4. Access either the one-channel or the eight-channel INSERT/DIRECT OUT popup window, and then press the INSERT OUT button. The PORT SELECT popup window will appear, allowing you to select the output port used for insert-out. The window includes the following items. 2 1 1 Channel select button Selects the channel to set.

The channel icon, color, and number appear on the button. 1 Category select list Selects the category of output port shown in the popup window. The categories correspond to the following output ports. They vary depending on the channel type. • OMNI

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..... OMNI1–OMNI8 • SLOT1

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.. SLO1(1)–SLO1(16) • SLO2 ...

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..... SLO2(1)–SLO2(16) • SLO3 ..

.....
.....
..... SLO3(1)–SLO3(16) • GEQ RACK .

.....
.....
..... GEQ1L(A)–GEQ16R(B) (MIX, MATRIX, STEREO, and MONO channels only) • EFFECT RACK....

..... FX1L(A)–FX8R(B) • PREMIUM RACK...

..... PR1L(A)–PR8R(B) 2 INSERT OUT button Press this button to open the PORT SELECT popup window, in which you can select an output port. The name of the currently-selected port appears on the button.

3 INSERT ON/OFF button Switches the insert on or off. The currently-specified insert point setting appears above the button. 4 INSERT IN button Press this button to open the PORT SELECT popup window, in which you can select an input port. The name of the currently-selected port appears on the button. You can also view the insertin level by checking the indicator located to the right of the port button (that is displayed as an option). 2 Output port select buttons These buttons assign the output port that will be used as insert-out for the currently-selected channel. NOTE If a rack in which a GEQ or Premium Rack is mounted is specified as the insert-out or insert-in, the other patch point will automatically be assigned to the same rack. Also, insert mode will automatically be switched on. Additionally, if you defeat the insert-out or insert-in of a rack in which a GEQ or Premium Rack is mounted, the other patch point will automatically be defeated and at the same time insert mode will automatically be switched off. 22 Reference Manual Input and output patching 5. Use the category and the output port select buttons to specify the output port that will be used as insert-out, and press the CLOSE button. You will return to the INSERT/DIRECT OUT popup window. Press the INSERT IN button. The PORT SELECT popup window will appear, allowing you to select the input port used for insert-in. The categories correspond to the following input ports.



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• OMNI.....

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..... OMNI-OMNI8 • SLOT1 ...

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..... SLOT1(1)-SLOT1(16) • SLOT2 ..

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.....

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.... SLOT2(1)-SLOT2(16) • SLOT3 .

.....

.....

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.....

SLOT3(1)-SLOT3(16) • GEQ RACK

.....

.....

.....

.. GEQ1L(A)-GEQ16R(B) (Output channels only) • EFFECT RACK

.....

.....

..... FX1L(A)-FX8R(B) • PREMIUM RACK ...

.....

.....

.. PR1L(A)-PR2R(B) Specify the input port you will use for insert-in, and press the CLOSE button. Press the INSERT ON/OFF button to turn it ON. In this state, insert-out/in is enabled.

Adjust the input/output levels of your external device if necessary. NOTE • If you have selected the OMNI IN jack on the CL console as the input port for insert-in, make the HA settings in the INSERT IN HA field. • Even if the INSERT ON/OFF button is OFF, the signal selected for insert-out will continue to be sent. Directly outputting an INPUT channel The signal of an INPUT channel can be output directly from an OUTPUT jack on the I/O device, from the desired OMNI OUT jack, or from the output channel of a desired slot. 6. 1. Connect your external device to an OMNI OUT jack, OUTPUT jack, or to an I/O card installed in slot 1-3. NOTE If you install a digital I/O card in a slot and digitally connect an external device, you must synchronize the word clock of the CL console and the external device (see page 198). 2. 3.

Use the Bank Select keys in the Centralogic section to access the OVERVIEW screen that includes the input channel that you want to output directly.

@@There are two variations of this popup window; one-channel and eight channel. Each window view includes the following items. 7. 8. INSERT/DIRECT OUT popup window (1ch) 9. If you want to change the insert-out/in position, access the one-channel INSERT/ DIRECT OUT popup button, and press one of the three INSERT fields. The INSERT field you pressed will be enabled. When you have finished making all settings, press the "x" symbol located in the upper right to close the window. You will return to the OVERVIEW screen.

As desired, make insert settings for other channels as well. 1 4 10. 11. 2 3 5 1 DIRECT OUT field Enables you to make settings for direct output. Press one of four fields to choose PRE HPF (immediately before the HPF), PRE EQ (immediately before the EQ) or PRE FADER (immediately before the fader), or POST ON (immediately after the [ON] key) as the direct output position.

23 Reference Manual Input and output patching 2 DIRECT OUT PATCH button Press this button to open the PORT SELECT popup window, in which you can select a Direct Out output port. The name of the currently-selected port appears on the button. 4. 3 DIRECT OUT ON button Switches the Direct Out on or off. Access either the one-channel or the eight-channel INSERT/DIRECT OUT popup window, and press the DIRECT OUT popup button.

The PORT SELECT popup window will appear, allowing you to select the output port used for direct output. The window includes the following items. 4 DIRECT OUT LEVEL knob Indicates the output level of the Direct Out. Press this knob to control the level using the multifunction knob. 5 APPLY TO ALL INPUT button (input channels only) Specifies whether the insert point/Direct Out point settings will be applied to all input channels. 2 1 INSERT/DIRECT OUT popup window (8ch) 1 Category select list Selects the category of output port shown in the popup window. The categories correspond to the following output ports. They vary depending on the channel type. • OMNI/REC ..

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... OMNI1–OMNI8, REC IN(L), REC IN(R) • SLOT1 ..

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..... SLOT1(1)–SLOT1(16) • SLOT2 ...

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. SLOT2(1)–SLOT2(16) • SLOT3

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..... SLOT3(1)–SLOT3(16) • DANTE1–32.....

..... DANTE1–DANTE32 • DANTE33–64.

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.....

. DANTE33–DANTE64 1 2 3 2 Output port select buttons 1 DIRECT OUT ON button Switches the Direct Out on or off. The currently-selected Direct Output point is indicated above the button. These buttons assign the output port used for direct output of the currently-selected INPUT channel. 2 DIRECT OUT PATCH button Press this button to open the PORT SELECT popup window, in which you can select a Direct Out output port. The name of the currently-selected port will appear on the button. 5. Use the output port select tabs and the output port select buttons to specify the output port that will be used for direct output, and press the CLOSE button. You will return to the INSERT/DIRECT OUT popup window. 3 DIRECT OUT LEVEL knob Indicates the output level of the Direct Out.

Press this knob to control the level using the multifunction knob. 24 Reference Manual Input and output patching 6. Press the DIRECT OUT ON/OFF button to turn it ON. In this state, direct output is enabled. Adjust the input level of your external device as necessary. NOTE With the factory settings, all are turned off. Recording or playing back using DAW on a computer If you plan to add DAW software, such as Steinberg Nuendo, to an audio network that includes a CL console and I/O devices, you must use Dante Virtual Soundcard (DVS) driver software. DVS works as an audio interface, making it possible to transmit signals between a DAW and an audio network (that includes a CL series console and I/O devices). In this way, you will be able to make multi-track recordings of live performances or use live recordings that were made a day earlier for a virtual sound check. This section explains how to perform the setup to add DAW software to an audio network.

7. If you want to change the position of the direct output, access the one-channel INSERT/DIRECT OUT popup button, and press one of the DIRECT OUT fields. The DIRECT OUT field you pressed will be enabled. If you want to adjust the level of the direct output, access either the one-channel or the eight-channel INSERT/DIRECT OUT popup window, and operate the DIRECT OUT LEVEL knob. When you have finished making all settings, click the “x” symbol located in the upper right to close the window.

You will return to the OVERVIEW screen. As desired, make direct output settings for other channels as well. 8. Required devices and software • CL series console; I/O device • A computer (Windows or Mac) equipped with an Ethernet port that supports a Giga-bit Ethernet (GbE) network; DAW software • A GbE-compatible network switch • CAT5e cable • Dante Virtual Soundcard driver software • Dante Controller control software NOTE You must have a license ID to use Dante Virtual Soundcard. The license ID is included in the CL unit package.

The latest information about the Dante Virtual Soundcard and the Dante Controller is available at the following website: <http://www.yamahaproaudio.com/> 9. 10. Using Nuendo Live Steinberg’s Nuendo Live DAW software can be used with the CL series console, taking advantage of functionality that makes them work well together. For details, refer to “Using the CL console with Nuendo Live” on page 188. 25 Reference Manual Input and output patching Word clock settings In a Dante network, the master device supplies accurate word clock to other devices on the network.



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If the master device is removed from the network or breaks down, another device will automatically take over as the clock master. To make this setting, in the Function Access Area, press the SETUP button, then WORD CLOCK/ SLOT button to access the WORD CLOCK/SLOT popup window. Setting up Dante Controller Connect the network port on the computer to a GbE-compatible network switch.

Configure the computer to obtain an IP address automatically (this is the default setting). The following settings can be made via Dante Controller. • For multi-track recording: Patch audio signals from the I/O device to DVS for multi-track recording. • For virtual sound check: Patch audio signals in such a way that they will be output from the computer to the Dante audio network, then routed to the channels on the CL console. Please refer to the Dante Controller manual for more information about operations and settings of the Dante Controller. Setting up DAW software You must make driver settings in your DAW software. In the device setting window, select “Dante Virtual Soundcard-ASIO” (for Windows PC) or “Dante” (for Mac). Some DAW software may require internal patching with the driver. For more information, refer to the DAW software manual. If you’re using Nuendo Live DAW software, see also “Using the CL console with Nuendo Live” on page 188.

Audio recording and playback After you have made the driver settings in your DAW software, you can record and play back audio. For multi-track recording, set the input ports for tracks in DAW software to the ports that receive audio signals from the I/O device. For a virtual sound check, you must route recorded audio signals to the input channels on the CL console. To do so, to patch the signals so that the signals will be output from the DAW software to DANTE 1–64 on the CL console. It may be convenient for you later if you store two sets of the DANTE INPUT PATCH settings in the library: one set for routing audio signals from the I/O device, and another set for routing audio signals from DAW software.

In this way, you will be able to switch between patch settings without starting Dante Controller. In addition, you will be able to patch a specific channel (such as a vocal) to the I/O device to monitor during a virtual sound check. Setting up Dante Virtual Soundcard Install a Dante Virtual Soundcard (DVS) and the Dante Controller in a computer that you want to use for audio recording. Then, connect the GbE-compatible network port on the computer to a GbE-compatible network switch. Configure the computer to obtain an IP address automatically (this is the default setting).

Before you start DVS, select the desired audio format (e.g., 48kHz, 24-bit) and Dante latency. (Select a higher latency value to maintain network stability during the use of many channels.) For Advanced settings, select the number of channels to be used for recording and playback (the default is 8 x 8). Please refer to the Dante Virtual Soundcard User’s Guide for more information on the ASIO setting (Windows). 26 Reference Manual Input channels Input channels This chapter explains various operations for input channels. STEREO channel These channels are used to process stereo signals. When the CL series console is in the default state, the input signal from the EFFECT RACK 1–8 is assigned. 1 2 M O N O MATRIX L R (C) 1 2 7 8 MIX ST 2324 CUE L R Signal flow for input channels INPUT PATCH ST IN 1L–8R PRE EQ METER PRE HPF METER 16 DYNA1OUT EQ OUT DYNA2OUT METER METER METER GR METER GR METER 4BAND EQ GATE COMP DUCK COMPAND EXPAND DE-ESSER COMP KEYIN CUE Keyin Filter To MIX PRE FADER METER DELAY Max 1000ms PAN/BAL LEVEL/DCA1-16 POST ON METER ON LR MONO LCR CSR POST ON POST PAN L POST PAN R TO MONO TO ST TO LCR PAN MODE ST L MONO(C) ST R The input channels comprise the section that processes signals received from the I/O devices, rear panel input jacks, or slots 1–3, and sends them to the STEREO bus, MONO bus, MIX buses, or MATRIX buses.

There are two types of input channels, as follows. Digital GAIN HPF PRE HPF ATT PRE EQ POST EQ Keyin Self PRE EQ Self POST EQ MIX21-24 OUT ST IN 1L-4R POST EQ PRE FADER OSCILLATOR PAN LINK MIX1,3...23 SAME as INPUT1-72{64,48} MIX2,4...24 MONO channel These channels are used to process monaural signals. When the CL series console is in the default state, the input signal from the Dante connector is assigned. .

. 1 2 . 24 23 M O N O MATRIX . . L R (C) 1 2 .
7 8 All parameters for L and R are linked to each other (except for Ø (phase), Digital GAIN, Delay, and PAN). To MATRIX SAME as INPUT1-72{64,48} MATRIX1,3...7 MATRIX2,4.
. .8 (PRE FADER)PFL / (POST ON)AFL / POST PAN L (PRE FADER)PFL / (POST ON)AFL / POST PAN R ON ON CUE L CUE R MIX ST CUE L R •
INPUT PATCH Assigns input signals to the input channels. • Ø (phase) Switches the phase of the input signal. CH 1-72{64,48} CH INSERT OUT 1-72{64,48} CH INSERT IN 1-72{64,48} PRE HPF METER Digital GAIN HPF PRE HPF OSCILLATOR To RACKIN PATCH To OUTPUT PATCH INSERT POINT POST ON INSERT OUT PRE FADER INSERT OUT PRE EQ INSERT OUT PRE EQ METER INSERT PRE HPF / PRE EQ / PRE FADER/POST ON ON LEVEL DIRECT OUT 1-72{64,48} PAN DYNA1OUT EQ OUT DYNA2OUT METER METER METER GR METER GR METER 4BAND EQ GATE COMP DUCK COMPAND EXPAND DE-ESSER COMP KEYIN CUE Keyin Filter To MIX FIXED To MIX FIXED STEREO To MIX VARI To MIX VARI STEREO To MATRIX VARI To MATRIX VARI STEREO ON ON PRE EQ / PRE FADER / POST ON PRE EQ / PRE FADER / POST ON POST PAN L POST PAN R PRE EQ / PRE FADER / POST ON PRE FADER METER DELAY Max 1000ms To OUTPUT PATCH LEVEL/DCA1-16 ON POST ON METER LR MONO LCR CSR POST PAN L POST PAN R TO MONO TO ST TO LCR PAN MODE ST L MONO(C) ST R 72 {64, 48} ATT INSERT INSERT POST ON POST ON INSERT OUT • DIGITAL GAIN Attenuates/boosts the level of the input signal. • HPF (High Pass Filter) This is a high pass filter that cuts the region below the specified frequency. • 4 BAND EQ (4 band equalizer) A parametric EQ with four bands: HIGH, HIGH MID, LOW MID, and LOW. PRE EQ POST EQ PRE EQ INSERT OUT INPUT PATCH Keyin Self PRE EQ Self POST EQ MIX21-24 OUT CH[1-8,9-16,17-24,25-32,33-40,41-48, 49-56, 57-64, 65-72]POST EQ(CL5) CH[1-8,9-16,17-24,25-32,33-40,41-48, 49-56, 57-64]POST EQ(CL3) CH[1-8,9-16,17-24,25-32,33-40,41-48]POST EQ(CL1) PRE FADER PRE FADER INSERT OUT POST ON ON ON ON ON ON ON ON ON PAN LINK MIX1,3...
23 MIX2,4...24 ON ON ON ON ON ON ON ON LEVEL LEVEL LEVEL PAN LEVEL LEVEL LEVEL PAN PRE EQ / PRE FADER / POST ON ON ON ON ON ON ON ON MATRIX1,3...7 MATRIX2,4...8 • DYNAMICS 1 This is a dynamics processor that can be used for gating, ducking, expander, or compressor. • DYNAMICS 2 This is a dynamics processor that can be used as a compressor, compander, or de-esser. • INPUT DELAY Corrects input signal delay. You can specify up to 1000ms. • LEVEL/DCA 1–16 Adjusts the input level of the channel. • ON (on/off) Turns the input channel on or off.



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If this is off, the corresponding channel will be muted. • PAN Adjusts the panning of signals sent from the input channel to the STEREO bus. For the STEREO channel, you can switch between PAN and BALANCE. The BALANCE parameter adjusts the volume balance of the left/right signals sent from the STEREO channel to the STEREO bus. You can turn on PAN LINK in the BUS SETUP popup window so that the setting of the PAN parameter will also be applied to signals sent to two MIX or MATRIX buses that are set to stereo.

(PRE FADER)PFL / (POST ON)AFL / POST PAN L (PRE FADER)PFL / (POST ON)AFL / POST PAN R CUE L CUE R 27 Reference Manual Input channels

• LCR (Left/Center/Right) Sends the input channel signal to the STEREO bus/MONO bus as a three-channel signal that consists of the L/R channel plus the center channel. • MIX ON/OFF (MIX send on/off) This is an on/off switch for signals sent from the input channel to MIX buses 1–24. • MATRIX LEVEL 1–24 (MATRIX send levels 1–24) Adjusts the send level of signals sent from the input channel to VARI type MIX buses 1–24. As the position from which the signal is sent to the MIX bus, you can choose from the following: immediately before EQ, pre-fader, or post-fader. • MATRIX ON/OFF (MATRIX send on/off) This is an on/off switch for signals sent from the input channel to MATRIX buses 1–8. • MATRIX LEVEL 1–8 (MATRIX send levels 1–8) Adjusts the send level of the signal sent from the input channel to MATRIX buses 1–8. As the position from which the signal is sent to the MATRIX bus, you can choose from the following: immediately before the EQ, pre-fader, or post-fader. • INSERT (MONO channels only) You can patch the desired output/input ports to insert an external device such as an effect processor. For the position of the insert-out/insert-in point, you can choose immediately before the EQ, immediately before the fader, or immediately after the [ON] key. • DIRECT OUT (MONO channels only) You can patch this to any output port to send out the input signal directly from the corresponding output port.

For the position of the direct output, you can choose immediately before the HPF, immediately before the EQ, immediately before the fader, or immediately after the [ON] key. • METER Meters the input channel level. You can switch the position at which the level is detected (see page 112). Specifying the channel name, icon and channel color On the CL series unit, you can specify the on-screen name and icon for each input channel. This section explains how to specify the channel name, icon and channel color. 1. Access the OVERVIEW screen that includes the input channel for which you want to specify the channel name, icon and channel color. Channel number/Channel name field 2. Access the PATCH/NAME popup window by pressing the channel number/channel name field of the channel to which you want to assign the channel name, icon and channel color. 28 Reference Manual Input channels This popup window contains the following items: 3.

2 3 Press the desired channel icon button. The lower part of the popup window will change as follows. 1 1 2 3 4 1 PATCH button Indicates the currently-patched port. Press this button to enable the PATCH tab at the bottom of the screen. The PORT SELECT popup window will appear, enabling you to select the network and port.

1 Channel color select buttons Select a channel color. Pressing the button will immediately apply the change. 2 Icon select buttons Select a channel icon. Pressing the button will immediately apply the change. 2 Channel icon button Indicates the icon and color that are currently selected for the corresponding channel.

Press this button to enable the ICON tab at the bottom of the screen. The CH COLOR/ICON popup window will appear, enabling you to select the color, icon, and channel name. 3 Sample name setup buttons Select a preset sample name. You can edit the name on the NAME tab later. 4. 3 Channel name edit box Indicates the currently-specified channel. Press the inside of this box to enable the NAME tab at the bottom of the screen. The SOFT KEYBOARD popup window will appear, enabling you to edit the channel name. Use the icon select buttons to select the icon you want to use for the channel. You can use the channel color select buttons to select the color of the channel.

The selected icon or color will appear on the icon button in the upper part of the window. To edit the channel name based on a sample name, use the sample name setup buttons to select a sample name. The sample name you selected will be entered in the channel name field in the upper part of the window. To enter the channel name directly, proceed to Step 6. NOTE You can also add or edit characters in the channel name field after you have entered the sample name. If you want to quickly assign channel names that consist of a common name plus a consecutive number, such as “Vocal 1” or “Vocal 2,” enter a sample name first, and then add a number. 5. 4 Tabs Use these tabs to switch between items. 29 Reference Manual Input channels 6. If you want to enter a channel name directly (or edit a sample name that has been entered), press the channel name field in the upper part of the window.

The keyboard window will appear in the lower part of the screen, allowing you to enter or edit the characters. Making HA (Head Amp) settings This section explains how to make HA (Head Amp) related settings (phantom power on/off, gain, phase) for each input channel. Setting the analog gain 1. 2. To adjust only the HA analog gain, use the GAIN knob in the SELECTED CHANNEL section.

To edit detailed parameter settings such as phantom power on/off or phase, use the Bank Select keys in the Centralogic section to access the OVERVIEW screen that includes the input channel for which you want to adjust the head amp. GAIN/PATCH field 7. Use the [SEL] keys to switch input channels, and specify the icon or channel name for other channels in the same way. When the PATCH/NAME popup window is displayed, you can use the [SEL] keys to switch the channel to be controlled. When you finish your data input, press the × symbol in the upper right of the window.

NOTE Press the TAB button to switch to the next channel. You can also press the ENTER button to close the popup window in the same way as using the “x” symbol. 8. 3. Press the GAIN/PATCH field of the channel for which you want to adjust the head amp. The GAIN/PATCH popup window will appear. This popup window features four types of view. Use the tabs near the bottom of the window to select one of these four views. Each window view includes the following items. 30 Reference Manual Input channels GAIN/PATCH popup window (1ch) 1 8 • Gain compensation meter Indicates the level of the signal output to the audio network after gain compensation.

3 INPUT PORT button Indicates the port that is assigned to the channel. Press the button to display the PATCH popup window, in which you can select a port to patch.



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