YAMAHA

DIGITAL MIXING CONSOLE

CL5
CL3
CL1
QL5
QL1

CL/QL series V5.1 Supplementary Manual

This supplementary manual explains mainly the functions that have been added or changed in CL5/CL3/CL1 and QL5/QL1 firmware V5.1.

Use it in conjunction with the CL5/CL3/CL1 and QL5/QL1 Owner's Manual and Reference Manual.

NOTE
- The explanations in this supplementary manual reference the CL5.
- Keep in mind that in the case of the CL3/CL1 or QL5/QL1, certain channels and faders shown in example screens do not exist on those models and will not be shown on those displays.

EN

Contents

Information

This product uses open source software.
For information about the license, refer to *** (product name) _OSSLicense_e.pdf, which is included in the downloaded file.

I/O devices and external head amps

Now supports various Dante devices such as digital wireless receivers, processors, and more from third-party partners, plus NEXO and Yamaha.

- Sony   DWR-R03D DWX Digital Wireless Receiver
- Stagetec   NEXUS(XDIP) Multichannel I/O Board
- NEXO   NXAMPmk2 Powered TD Controller
- Yamaha   DZR-D series Powered Loudspeakers
              DXS XLF-D series Powered Subwoofers
              MRX/MTX series Signal Processors

Added supported devices

The devices can be mounted on the DEVICE MOUNT page in the DANTE SETUP window.

The indicator (REMOTE) appears in the remote control supported device.

The NXAMPmk2 supports remote control with the Dante card (NXDT104mk2).

Remotely controlling an external head amp

Now supports the HA remote controllable devices.
- Stagetec   NEXUS(XDIP) Multichannel I/O Board
- Yamaha   MRX/MTX series Signal Processors

I/O DEVICE screen (I/O page)

① **+48V indicator**

Indicates the phantom power (+48V) on/off status for each port.

② **GAIN knob**

Indicates the gain of the head amp on the I/O device. This screen is only for display; the value cannot be edited.

③ **HPF indicator**

Indicates the high-pass filter on or off status for each port.

④ **Control status indicator**

Indicates the control status of the device.

⑤ **SYSTEM/SYNC indicators**

Displays the error, warning, and information messages of the Dante device.

⑥ **OUTPUT PATCH button**

Appears when selecting a device (for I/O DEVICE) having a large number of channels. Touch to open the OUTPUT PATCH window.

I/O DEVICE HA window

This screen is displayed when you select the desired I/O device in the I/O DEVICE screen (I/O page). You can remotely control the head amp of the I/O device.

■For Stagetec NEXUS(XDIP)

① **+48V button**

These switch phantom power on/off for each channel.

② **GAIN knob**

Indicates the gain of the head amp on the I/O device. To adjust the value, press the knob to select it, and use the multifunction knobs (CL series) or the TOUCH AND TURN knob (QL series).

NOTE

For devices with a wider setting range than the CL/QL series, since some values cannot be set from the CL/QL series. Likewise, if the value set on the connected device side is outside the CL/QL series setting range, it will be displayed as an approximate value or limit value.

③ **FREQUENCY knob/HPF button**

These controllers switch on or off the high-pass filter built into the head amp of the I/O device, and adjust its cutoff frequency. If you press the FREQUENCY knob to select it, you will be able to adjust it using the corresponding multifunction knob (CL series) or the TOUCH AND TURN knob (QL series).

NOTE

For devices that differ in how the setting value changes from the CL/QL series, the cutoff frequency will be set as an approximate value.

■Remote control settings

- **MTX/MRX series**

The following settings are necessary to control the MTX/MRX series remotely.

STEP

1. Install the MTX-MRX Editor on the computer.
2. Connect the MTX-MRX series and Editor according to the MTX-MRX Editor user guide.
3. Set remote (RS-232C) BIT RATE: 38400 in the System menu, Remote Control dialog of the MTX-MRX Editor.
4. Match the subnet of the CL/QL series on the NETWORK screen (FOR DEVICE CONTROL page) with the subnet of MTX-MRX series.
5. Place the ANALOG IN component using the MRX Designer, since the MRX Series components can be freely placed therein.

- **Stagetec NEXUS(XDIP)**

Network configuration is required to control NEXUS(XDIP) remote. For details, please contact the Stagetec Company, or refer to the website of the Stagetec Company.

Also, in order to validate the remote control setting contents from the CL/QL series, NEXUS must be used to properly set the internal routing of XDIP.

Remotely controlling wireless units

Now supports wireless units as remote controllable devices.

• Sony   DWR-R03D DWX Digital Wireless Receiver

I/O DEVICE screen (WIRELESS page)

① **Connection status indicator**

Indicates whether transmitter control is possible or not.

② **Channel name (transmitter)**

Displays the channel name for setting channel names on the transmitter side.

③ **TX.ATT knob**

Indicates the gain value for the transmitter with a knob. This window is only for display; the value cannot be edited.

④ **TX.ATT**

Indicates the gain value for the transmitter.

⑤ **Channel name (receiver)**

Displays the channel name for setting channel names on the receiver side.

⑥ **Frequency**

Indicates the frequency that is currently set for the RF signal.

⑦ **Audio level indicator**

Lights if the audio signal level of the receiver reaches the overload point.

⑧ **MUTE indicator**

Indicates the mute status (on/off) of the audio signal for the receiver.

⑨ **Signal quality meter**

Displays the quality of the received RF signal. The vertical axis represents quality and the horizontal axis represents time, and the display of connection status is updated every second. If you move away from the transmitter, or the quality of the RF signal decreases due to the influence of disturbing radio waves, the bar graph becomes lower.

⑩ **RF (Radio Frequency) signal meter**

Shows bars to indicate the level of the RF signal. An active antenna indicator is shown on the right side. It indicates which antenna is enabled. In the 4 Diversity mode, the one with the strongest level among A to D is shown.

NOTE

For details about the relationship between the number of bars and the actual strength of the RF signal, refer to the DWR-R03D manual.

⑪ **Battery indicator**

Shows bars to indicate the remaining battery power.

⑫ **Control status indicator**

Indicates the control status of the device.

NOTE

• When control on the receiver side is possible, the parameter values for the receiver are sent to the console.
• As the number of remote control devices is increased at the same time, the meter update frequency decreases.

I/O DEVICE EDIT screen

This screen is displayed when you select the desired wireless device in the I/O DEVICE screen (WIRELESS page). Here you can set the channel name and HA.

① **Connection status indicator**

Indicates whether transmitter control is possible or not.

② **Channel name (transmitter)**

Press this button to display the NAME screen for setting channel names on the transmitter side.

③ **TX.ATT knob**

Sets the gain value for the transmitter. To adjust the value, touch the screen, then press the knob to select it, and use the multifunction knobs (CL series) or the TOUCH AND TURN knob (QL series). The knob will not display when the wireless device is not support this control.

④ **TX.ATT**

Indicates the gain value for the transmitter.

⑤ **Channel name (receiver)**

Press this button to display the NAME screen for setting channel names on the receiver side.

⑥ **Frequency**

Indicates the frequency that is currently set for the RF signal.

⑦ **RX.LEVEL meter**

Indicates the input level for the receiver.

⑧ **MUTE button**

Mutes the audio signal for the receiver.

⑨ **Signal quality meter**

Displays the quality of the received RF signal. The vertical axis represents quality and the horizontal axis represents time, and the display of connection status is updated every second. If you move away from the transmitter, or the quality of the RF signal decreases due to the influence of disturbing radio waves, the bar graph becomes lower.

⑩ **RF (Radio Frequency) signal meter**

Shows bars to indicate the level of the RF signal. An active antenna indicator is shown on the right side. It indicates which antenna is enabled. In the 4 Diversity mode, the one with the strongest level among A to D is shown.

NOTE

For details about the relationship between the number of bars and the actual strength of the RF signal, refer to the DWR-R03D manual.

⑪ **Battery indicator**

Shows bars to indicate the remaining battery power.

⑫ **Mode indicator**

Indicates the mode status of the device such as 4 Diversity mode. When not activated, it shows "4 Diversity mode: off" respectively.

⑬ **PORT ASSIGN tab**

Select these tabs to switch between the windows that specify the ports where the actual input signals are assigned.
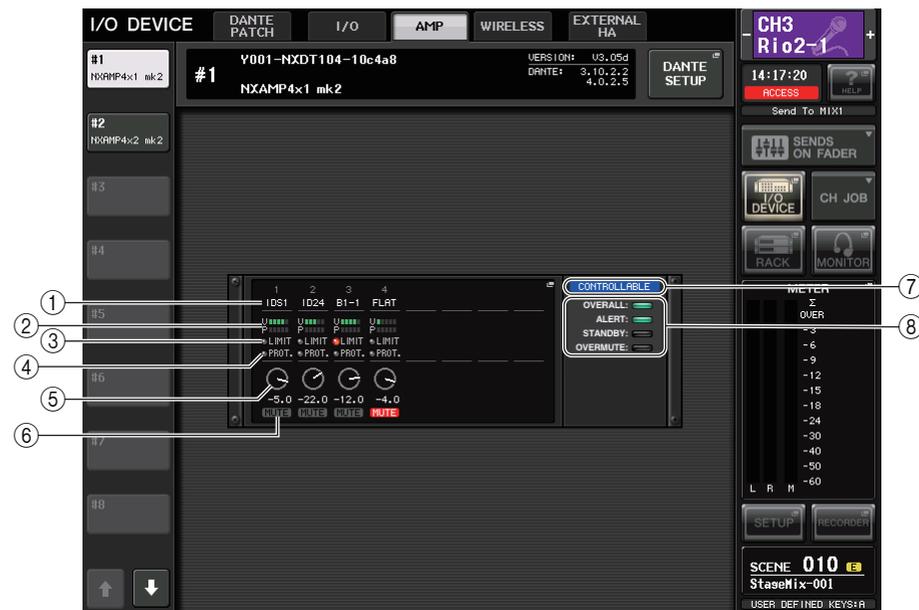
Remotely controlling an amp

Now supports the remote controllable devices.
- NEXO   NXAMPmk2 Powered TD Controller
- Yamaha   DZR- D series Powered Loudspeakers
             DXS XLF-D series Powered Subwoofers

I/O DEVICE screen (AMP page)

■ For NEXO NXAMPmk2

① **Channel name**
   Displays the channel name (the speaker preset name for the NXAMP).

② **Output level meter**
   Displays the level of Voltage (amplifier output) and the level of Protect (gain reduction).

③ **LIMIT status indicator**
   Lights when the limiter for amplifier protection is applied.

④ **PROTECT status indicator**
   Lights when the limiter for speaker protection is applied.

⑤ **VOLUME setting value**
   Displays the volume.

⑥ **MUTE indicator**
   Indicates the currently set mute status.

⑦ **Control status indicator**
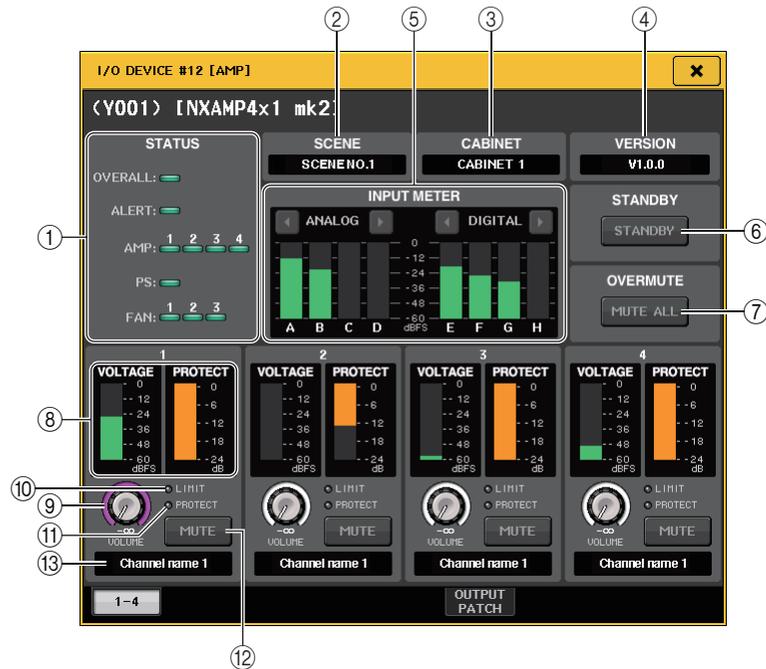   Indicates the control status of the device.

⑧ **Device status indicator**
   Indicates the status of the device.

I/O DEVICE EDIT screen

This screen is displayed when you select the desired I/O device in the I/O DEVICE screen (AMP page). You can remotely control the amplifier or the speakers.

■ For NEXO NXAMPmk2

① STATUS indicator

Indicates the status of the device.

Status		Indicator display
OVERALL	Overall status of the device	Green: Normal operation Yellow: Fault detection Orange: Temporary malfunction Red: Malfunction that cannot be resolved
ALERT	Alert	
AMP	Operating status of each amplifier channel	
PS	Operating status of power supply unit	
FAN	Operating status of each FAN unit	

* ALERT indicator display is green and red only. When an alert occurs, the indicator turns red and the alert contents are displayed at the bottom of the screen.

② SCENE
Displays the recalled scene number and title.

③ CABINET
Displays the name of NEXO Setup selected in the NXAMP.

④ VERSION
Displays the firmware version of the device.

⑤ INPUT METER
Displays both the input analog input levels and digital input levels.

⑥ STANDBY button
Switches the standby mode on or off.

⑦ OVERMUTE button
Switches the over mute (mute all channels) on or off.

⑧ Output level meter
Displays the output level of the channel.

⑨ VOLUME knob
Sets the channel volume.

⑩ LIMIT indicator
Lights while the limiter for amplifier or power supply protection is applied.

⑪ PROTECT indicator
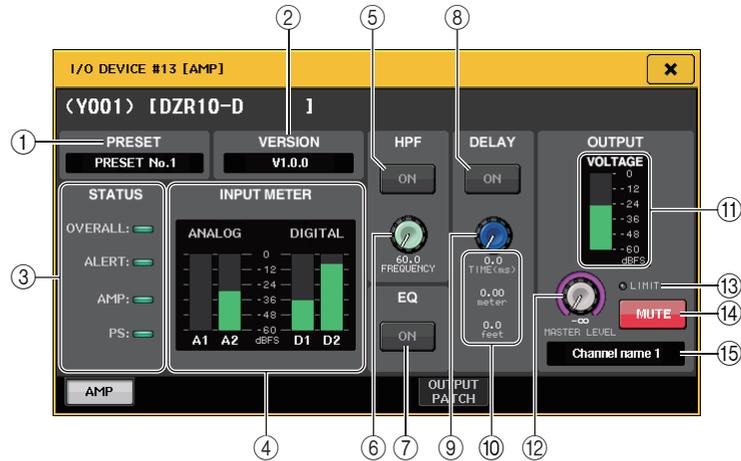Lights while the limiter for speaker protection is applied.

⑫ MUTE button
Switches the channel mute on or off.

⑬ Channel name
Displays the channel name (the speaker preset name for the NXAMP).

■ For Yamaha DZR-D series, DXS XLF-D series

① PRESET
Displays the set preset number and title.

② VERSION
Displays the firmware version of the device.

③ STATUS indicator
Indicates the status of the device.

Status		Indicator display
OVERALL	Overall status of the device	Green: Normal operation Yellow: Fault detection Orange: Temporary malfunction Red: Malfunction that cannot be resolved
ALERT	Alert	
AMP	Operating status of each amplifier channel	
PS	Operating status of power supply unit	

* ALERT indicator display is green and red only. When an alert occurs, the indicator turns red and the alert contents are displayed at the bottom of the screen.

④ INPUT meter
Displays both the input analog input levels and digital input levels.

⑤ HPF ON button (DZR-D series only)
Switches the HPF on or off. The LPF is hidden and always on.

⑥ HPF/LPF FREQUENCY knob
Sets the HPF frequency for DZR-D series or the LPF frequency for DXS XLF-D series.

⑦ EQ ON button
Switches the EQ on or off.

⑧ DELAY ON button
Switches the delay on or off.

⑨ DELAY knob
Sets the delay time.

⑩ DELAY TIME
Displays the delay time by time (TIME) and distance (meter, feet).

⑪ Output level meter
Displays the output level of the speakers.

⑫ MASTER LEVEL knob
Sets the output level.

⑬ LIMIT indicator
Lights while the limiter for amplifier or power supply protection is applied.

⑭ MUTE button
Switches the mute on or off.

⑮ Channel name
Displays the channel name (the LABEL for the DZR).