

Previous Rio Firmware version information

V5.70

New features in V5.70

- Added support for SMPTE mode* (ST2110-30 clocking) in Dante Domain Manager (DDM).

Please note, once a Dante device is enrolled in DDM, various device settings cannot be altered, including Word Clock, Preferred Master and Latency settings. To alter such setting using the console, the Dante device must first be un-enrolled from the Domain and then use Dante Controller to 'Clear Domain Credentials'.

*With SMPTE mode enabled in DDM, the domain is configured for SMPTE ST2110-30 clocking, enabling audio interoperability between Dante and non-Dante SMPTE devices.

Known issue

- When patching the R series and a TF series via the NY64-D card by using the Dante Controller, a warning message "Dante Version Mismatch" may appear for a few seconds on the display of the TF series. In this case, audio signals and HA control are properly available.

Notices

- You can remotely control one Rio/Ri/Ro unit from a maximum of six computers operating R Remote. You can also remotely control from four separate CL/QL/RIVAGE PM10/PM7 units.
- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.
- If the DIP switch REMOTE setting is switched between NATIVE and AD8HR, the device label is set to the default value, and the patch is also cleared.
- On the CL/QL, the following device labels are used for detecting a SUPPORTED DEVICE.
 - Y###-*****
 - # is a three-digit hexadecimal number containing the digits 0 - 9 and uppercase A - F (000 - FFF)
 - * indicates any desired character (alphabetical uppercase or lowercase, numerals, or - (hyphen) may be used) Up to 31 characters including the 'Y' are supported.
 - Make sure that the UNIT ID indicated by Y###- is not duplicated by any other R-series unit, or any other Rio3224-D2/Rio1608-D2. (### indicates the UNIT ID value).
 - However, as an example, a CL/QL series Console ID can have the same ID number as an R-series device.

V5.10

Fixed bugs in V5.10

- Solved some minor bugs.

Improvements in V5.10

- Corresponded to the hardware change of the Dante module due to some of the discontinued parts.

Known issue

- When patching the R series and a TF series via the NY64-D card by using the Dante Controller, a warning message “Dante Version Mismatch” may appear for a few seconds on the display of the TF series. In this case, audio signals and HA control are properly available.

Notices

- You can remotely control one Rio/Ri/Ro unit from a maximum of six computers operating R Remote. You can also remotely control from four separate CL/QL/RIVAGE PM10/PM7 units.
- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.
- If the DIP switch REMOTE setting is switched between NATIVE and AD8HR, the device label is set to the default value, and the patch is also cleared.
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 - Make sure that the UNIT ID indicated by Y###- is not duplicated by any other R-series unit, or any other Rio3224-D2/Rio1608-D2. (### indicates the UNIT ID value).
 - However, as an example, a CL/QL series Console ID can have the same ID number as an R-series device.

V4.50

New features in V4.50

- Now supports Dante Domain Manager.

- Now supports remote control from RIVAGE PM10/PM7.
Make sure to use RIVAGE PM10/PM7 V2.02 or later.

Known issue

- When patching the R series and a TF series via the NY64-D card by using the Dante Controller, a warning message “Dante Version Mismatch” may appear for a few seconds on the display of the TF series. In this case, audio signals and HA control are properly available.

Notices

- You can remotely control one Rio/Ri/Ro unit from a maximum of two computers operating R Remote. You can also remotely control from four separate CL/QL/RIVAGE PM10/PM7 units.
- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.
- If the DIP switch REMOTE setting is switched between NATIVE and AD8HR, the device label is set to the default value, and the patch is also cleared.
- On the CL/QL, the following device labels are used for detecting a SUPPORTED DEVICE.
Y###-*****
is a three-digit hexadecimal number containing the digits 0 - 9 and uppercase A - F (000 - FFF)
* indicates any desired character (alphabetical uppercase or lowercase, numerals, or - (hyphen) may be used) Up to 31 characters including the 'Y' are supported.
Make sure that the UNIT ID indicated by Y###- is not duplicated by any other R-series unit. (### will be the UNIT ID value).
However, as an example, a CL/QL series Console ID can have the same ID number as an R-series device.

V4.10

- You can remotely control one Rio/Ri/Ro unit from a maximum of two computers operating R Remote. You can also remotely control from four separate CL/QL units.

New Feature

- Now supports the AES67 standard for audio-over-IP interoperability.

- Now supports the "Dante Device Lock" function.

Improvement

- Added error status indications with the [SYSTEM] indicator if the DIP-switch settings and the actual Dante settings are different.
- Changed the specification to decide the IP address after the DHCP server has been found when DIP switches 2 and 3 (IP Address Mode) are set to the DHCP mode. If you want to set the IP address automatically without a DHCP server, set the IP Address Mode to the Auto IP mode.

V3.11

- You can remotely control one Rio/Ri/Ro unit from a maximum of two computers operating R Remote. You can also remotely control from four separate CL/QL units.

New Feature

- Supports the HA remote from TF series via NY64-D. The TF firmware must be updated to V2.00 or later.

Improvement

- When a channel's +48V is on but +48V MASTER is off, the indicator now blinks for the notification.

Fixed bug

- Solved a problem in which R Remote occasionally could not remote the R series units when a DHCP server is running.
However, if the DHCP server starts one minute or more later, the remote might fail. In that case, restart the R series units.

V3.10

- You can remotely control one Rio/Ri/Ro unit from a maximum of two computers operating R Remote. You can also remotely control from four separate CL/QL units.

Known issue

- If Dante Virtual Soundcard (DVS) is patched to the CL/QL series device using Dante Controller, the patching may not be recalled correctly when the CL/QL series device is restarted. Patch DVS again. In addition, when using a version of DVS for Windows that is older than v3.2.0, the patch after CH41 cannot be performed from CL/QL series consoles.
- In the owner's manual it is written that the Dante Patch is cleared in REFRESH mode, however the Dante Patch is not cleared in REFRESH mode.

Notice

- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.
- If the DIP switch REMOTE setting is switched between NATIVE and AD8HR, the device label is set to the default value, and the patch is also cleared.
- On the CL/QL, the following device labels are used for detecting a SUPPORTED DEVICE.
`Y###-*****`
 # is a three-digit hexadecimal number containing the digits 0 - 9 and uppercase A - F (000 - FFF)
 * indicates any desired character (alphabetical uppercase or lowercase, numerals, or -(hyphen) may be used) Up to 31 characters including the 'Y' are supported.
 Make sure that the UNIT ID indicated by Y###- is not duplicated by any other R-series unit. (### will be the UNIT ID value).
 However, as an example, a CL/QL series Console ID can have the same ID number as an R-series device.

V3.00

New Features

- CL/QL-series firmware V3.00 is supported.
- R Remote V2 is supported.

Improvement

- When R series starts in REFRESH mode and only R Remote is connected, the orange [SYNC] indicator is turned off and the green [SYNC] indicator is turned on.

Fixed bugs

- Solved a problem in which the DANTE module rarely malfunctioned and Head Amp control is lost, causing all of the LED indicators on the front panel to blink.
- Solved a problem in which the message "No Response from I/O DEVICE." or "No Response from External HA." appeared under the following conditions:
 - 16 or more R units and Dante-MY16-AUD were in the same Dante network.
 - 3 or more R units were each mounted on 4 consoles.

Known issue

- If Dante Virtual Soundcard (DVS) is patched to the CL/QL series device using Dante Controller, the patching may not be recalled correctly when the CL/QL series device is restarted. Patch DVS again. In addition, when using a version of DVS for Windows that is older than v3.2.0, the patch after CH41 cannot be performed from CL/QL series consoles.
- In the owner's manual it is written that the Dante Patch is cleared in REFRESH mode, however the Dante Patch is not cleared in REFRESH mode.

Notice

- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.
- If the DIP switch REMOTE setting is switched between NATIVE and AD8HR, the device label is set to the default value, and the patch is also cleared.
- On the CL/QL, the following device labels are used for detecting a SUPPORTED DEVICE.
 Y###-*****
 # is a three-digit hexadecimal number containing the digits 0 - 9 and uppercase A - F (000 - FFF)
 * indicates any desired character (alphabetical uppercase or lowercase, numerals, or -(hyphen) may be used) Up to 31 characters including the 'Y' are supported.
 Make sure that the UNIT ID indicated by Y###- is not duplicated by any other R-series unit. (### will be the UNIT ID value).
 However, as an example, a CL/QL series Console ID can have the same ID number as an R-series device.

V2.00

New Features

- CL-series firmware V2.03 is supported.
- QL-series firmware V1.07 is supported.
- The IP SELECT MODE function is assigned to DIP switches 2 and 3 as an IP address setup for remote control. There are three settings: AUTO IP (conventional setup), DHCP, and STATIC IP (192.168.0. "UNIT ID"). When using R REMOTE, set this to AUTO IP.
- Now supports a latency value of 2.0msec for Dante.

Fixed bugs

- Solved a problem in which a SECONDARY PORT setting was changed using DIP switch 4, but the setting might not have been changed.
- Solved a problem in which updating the main firmware of the R series might go wrong. When you update, make sure that the updateV2.exe file is the most recent available.

Known issue

- If the Dante Virtual Soundcard (DVS) is patched to the CL/QL series device using Dante Controller, the patching may not be recalled correctly when the CL/QL series device is restarted. Patch DVS again. In addition, when using a version of DVS for Windows that is older than v3.2.0, the patch after CH41 cannot be performed from CL/QL series consoles.
* When updating, perform the update as described in "[Rio3224-D/Rio1608-D Update Guide.](#)"

Notice

- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.
- If the DIP switch REMOTE setting is switched between NATIVE and AD8HR, the device label is set to the default value, and the patch is also cleared.
- On the CL/QL, the following device labels are used for detecting a SUPPORTED DEVICE.
Y###-*****
is a three-digit hexadecimal number containing the digits 0 - 9 and uppercases A - F (000 - FFF)
*indicates any desired character (alphabetical uppercase or lowercase, numerals, or - (hyphen) may be used) Up to 31 characters including the 'Y' are supported.
Make sure that the UNIT ID indicated by Y###- is not duplicated by any other R-series unit.

(### will be the UNIT ID value).

However, as an example, a CL/QL series Console ID can have the same ID number as an R-series device.

*If you update the device from the V1.70 firmware, the DANTE firmware need not be updated. To update the MAIN firmware, perform operations of only the section “Updating the Rio firmware” in the “Rio3224-D/Rio1608-D Firmware Update Guide.” If you update the device from other than the V1.70 firmware, update the Rio device by following the guide thoroughly.

V1.70

CL-series firmware V1.70 is supported.

Fixed bugs

- Solved a problem in which, depending on the duration of a momentary power outage, the analog gain value could change, or the HA could no longer be controlled remotely.

Known issue

- If the Dante Virtual Soundcard (DVS) is patched to the CL series device using Dante Controller, the patching may not be recalled correctly when the CL series device is restarted. Patch DVS again. In addition, when using a version of DVS for Windows that is older than v3.2.0, the patch after CH41 cannot be performed from CL series consoles.
* When updating, perform the update as described in “[Rio3224-D/Rio1608-D Update Guide.](#)”

Notice

- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.
- If the DIP switch REMOTE setting is switched between NATIVE and AD8HR, the device label is set to the default value, and the patch is also cleared.
- On the CL, the following device labels are used for detecting a SUPPORTED DEVICE.
Y###-*****
is a three-digit hexadecimal number containing the digits 0 - 9 and uppercase A - F (000 - FFF)
*indicates any desired character (alphabetical uppercase or lowercase, numerals, or -

(hyphen) may be used) Up to 31 characters including the 'Y' are supported.

Make sure that the ID indicated by Y###- is not duplicated by any other R-series unit, even if it is a different size.

However, as an example, a CL console can have the same ID as an R-series device. (### will be the UNIT ID value).

V1.60

[Important Notice]

With V1.60 firmware, we found that CL consoles may partially lose HA gain control of R series units after being powered on for a long period of time. We have released the new firmware V1.61 in which the serious problem was fixed, and strongly recommend to update your CL/R series units with V1.61.

We sincerely apologize for the inconvenience.

Rio1608-D/3224-D Firmware V1.50

Improvement

- Improved with specific network switching in which, when the Rio is turned on, the Rio links at 100Mbps.

Fixed bug

- Solved a problem in which, when the Rio1608-D with AD8HR mode engaged was mounted on the EXTERNAL HA page of the CL series screen, the +48V Master icons would be shown for four virtual units, instead of the correct two.

Notice

- When setting up latency on the Dante Controller, and there is a discrepancy in latency with the transmit device or the receive device, the largest (slowest) latency setting becomes effective.

Rio1608-D/3224-D Firmware V1.15

Fixed Bug

Solved the following problems:

- CL could not recognize a Dante device if its device label had less than six characters.
- After editing a number of channel labels for one device in Dante Controller, the network module of the Dante device might need to be repaired by Yamaha service.
- When the CL was turned on, or when the Wordclock setting was changed, on a rare occasion audio might not output.

Rio1608-D/3224-D Firmware V1.14

Fixed bug

- Solved a network problem in which the device detection or the patch configuration recall was too slow in large-scale Dante system.

Rio1608-D/3224-D Firmware V1.11

Improvement

- Now supports Nuendo Live.
- Added the GPI functions.
- Several User Keys can be stored inside the console.
- Changed the configurations of the DANTE SETUP window.
- A pop-up message appears when an I/O rack is newly recognized or removed in the Dante audio network.
- The maximum of the number of units which can be used simultaneously is as follows:
 - Up to four CL units and up to thirty-two I/O rack units in a Dante audio network.
 - Up to eight I/O rack units which can HA remote in one CL unit.
 - Up to twenty-four I/O rack and Dante device units which can patch to one CL unit.

Fixed Bugs

- Solved a problem in which the panel controls might occasionally freeze.
- Solved a problem in which the Gain Compensation parameter settings were changed when a scene memory was recalled.

- Solved a problem in which the CL series device may not have recognized Rio if the CL series was started before Rio.
- Solved a problem in which when Dante-MY16-AUD was installed in a slot, it may have been unlocked while the Error LED on Dante-MY16-AUD lit in orange for at least 45 seconds or audio may not have been streamed.
- Solved a problem in which if Dante-MY16-AUD was set as Slave to External Word Clock, the Sync LED may not have lit in green when the device was turned on.
- Solved a problem in which when Dante devices (such as Rio) were not connected to the Dante connector of a CL series device, the CL was muted and audio signals were not output.
- Solved a problem in an environment with two or more CL series devices, in which the following malfunctions may have occurred with the I/O RACK OUTPUT PATCH pop-up window.
 - A port patched to a different CL series device could not be canceled, but a message would appear, indicating that the port could be canceled.
 - When a file was loaded, patching could not be reproduced, even though the WITH DANTE SETUP AND I/O RACK button was on when the file was loaded.
- Solved a problem in which when devices with the Dante -MY16-AUD were rebooted, recalling patching of CL series devices and Dante-MY16-AUD may have taken several minutes.
- Solved a problem in which it may not have been possible to store or recall Dante Input Patch settings to or from the library, even if the Dante Controller was used for patching the Dante Virtual Soundcard (DVS) to the CL series device.
- Improved the performance in which when a preset file was loaded and patch settings were changed while a CL series device and Rio were connected by a Dante audio network, the changes to the patch settings may not have been completed.
- Improved the performance in which when the word clock or audio bit rate were changed with a CL series device and Rio connected by a Dante audio network, Rio may have been muted and audio may not have been outputted.

Rio1608-D/3224-D Firmware V1.02

first release version.