RCP-200

Advanced remote control panel

Release Notes

Version 1.90

M876-9903-113

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Release Notes

RCP-200 version 1.90 is a minor release containing bug fixes. Generally speaking, the *Release Notes* document lists new features, bug fixes, and known issues and limitations.

Summary

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What's Changed?

The following is a list of features, enhancements, bugs, and known issues — listed by their reference numbers — that are new or changed in this release, as well as newly supported peripheral hardware and new peripheral hardware firmware versions:

New and changed in RCP-200 version 1.90 (listed by reference #)

New and enhanced	Fixed bugs	Known issues	Supported hardware
RCP200-1043 , on page 2			

New Features and Enhancements on the RCP-200

This release of RCP-200 may be run in *Standalone* mode or in *Application Server* mode. In Application Server mode, this release of RCP-200 has been tested with iControl version 4.30.

> **Note:** The RCP-200 cannot connect to devices through iControl Solo.

See also

For more information about Densité cards supported by the RCP-200, see "Densité Cards Supported in this Release", on page 15.

Enhanced in Version 1.90

Router Control

★ [Ref. #RCP200-1043] In version 1.90, Grass Valley enhances the RCP-200's router operation workflow to allow for a more intuitive user experience. In past versions of RCP-200—in the presence of an already-selected softkey destination preset—if you attempted to select a destination manually in *Destination* mode (on the CAT/INDEX interface), a subsequent TAKE operation would route the source to the softkey preset destination and **not**—as the user would expect—to the manually selected one. The improved workflow significantly reduces any ambiguity about which sources and destinations are acted upon in the presence of both manual selections in *Destination* mode and selected soft-key presets.

> **See also**
>
> For more information about the enhanced workflow for router operation on an RCP-200, see the "Operating a Router" section of the *RCP-200 Guide to Installation and Operation* (**M876-9900-109**).

New in Version 1.80

Router Control

- [Ref. #RCP200-926] The Grass Valley RCP-200 now supports the NVision Serial Router Control protocol. An important use for this is that if your NVision NV9000 or Network infrastructure goes offline, you will be able to use the RCP-200 as an emergency panel.

New in Version 1.70

RCP-200 Web Interface

- [Ref. #35886] In version 1.70 of RCP-200, iControl Navigator is available directly from the RCP-200 Web page. When in *Standalone* mode (i.e. without being connected to an Application Server), an RCP-200 requires the use of iControl Navigator to provide full configuration capability.

> **See also**
>
> For more information, see the *RCP-200 Advanced Remote Control Panel Guide to Installation and Operation* (**M876-9900-105**).

Densité Services

- [Ref. #26717] **HCO-1821**: *HD/SD/ASI Change Over with Clean Switch*, **HCO-1822**: *HD/SD/ASI Change Over with Clean Switch and ALC*:

  In version 1.70, RCP-200 introduces support for the following Densité cards:

  - HCO-1821
  - HCO-1822

IMPORTANT: iControl 4.30 or later required if in Application Server mode

If your RCP-200 is in Application Server mode, and you have one of these Densité cards (HCO-1821, HCO-1822), your Application Server must be running iControl version 4.30 or later in order for the cards to function properly.

- [Ref. #35609] **EAP-1103**: *SDI embedded audio processor/shuffler/mixer*:

  In version 1.70, RCP-200 introduces support for the EAP-1103 Densité card.

iRouter

- [Ref. #34328/35808] Version 1.70 of RCP-200 introduces support for *direct router control* without the need for an intermediate Application Server. In this mode, the RCP-200 device, itself, becomes the router controller. The *Router Manager Configurator* tool of iRouter is now available from the RCP-200 Web page.

  Note: The *Direct Router Control* feature is bundled with the *Direct Densité Card Control* feature as one option with one activation key.

  See also

  For more information about:

  - controlling routers directly from the RCP-200, see the *RCP-200 Advanced Remote Control Panel Guide to Installation and Operation* (**M876-9900-105**).
  - routers supported by RCP-200 version 1.70, see page 17.

- [Ref. #35887/35934] Version 1.70 of RCP-200 introduces the *Router Follow* feature in which, after an initial configuration, a card panel can be loaded automatically whenever the source of a router is selected.

  See also

  For more information about the *Router Follow* feature, see the *RCP-200 Advanced Remote Control Panel Guide to Installation and Operation* (**M876-9900-105**).

NVision Virtual Control Panels on the RCP-200

- [Ref. #33693] Version 1.70 of RCP-200 integrates NVision virtual control panels onto the RCP-200 device.

  See also

  For more information, see:

  - your NVision documentation
  - the *RCP-200 Advanced Remote Control Panel Guide to Installation and Operation* (**M876-9900-105**)

Alpha-Numeric Sorter GUI

- [Ref. #35784] The *Alpha-Numeric Sorter GUI*, in the **Router View**, is enhanced in RCP-200 version 1.70 to accommodate the following:
  - Case-sensitivity
  - Special characters
  - Accented characters

> **See also**
>
> For more information about this enhancement to the Alpha-Numeric Sorter GUI style of the Router View on the RCP-200, see the *RCP-200 Advanced Remote Control Panel Guide to Installation and Operation* (**M876-9900-105**).

Factory IP Address

- [Ref. #34683] Starting with version 1.80 of RCP-200, the factory default network settings of every RCP-200 unit are as follows:
  - IP address: `192.168.3.31`
  - Broadcast address: `192.168.3.255`
  - Network address: `192.168.3.0`
  - Subnet mask: `255.255.255.0`
  - Gateway: `0.0.0.0`

New in Version 1.61

- [Ref. #35581] Release 1.61 of RCP-200 enhances its Audio Grouping feature on the XVP-3901 Densité card by supporting up to 32 channels. To deploy this feature enhancement, please contact Grass Valley Technical Support (see "Contact Us", on page 19).

> **IMPORTANT: Known Limitation**
>
> It may take several seconds before the channels in a group — other than the one currently being controlled — are stabilized in the RCP-200 user interface.

New in Version 1.60

Direct Control of Densité Cards from RCP-200

- [Ref. #33005] In version 1.60 of RCP-200, Grass Valley introduces monitoring and control capabilities of Densité cards without needing external Densité Manager services.

> **Notes**
>
> - While directly controlling Densité cards from an RCP-200, you will not have thumbnail and RALM support.

Notes

- While in *Direct Densité Card Control* mode, KX routers are not added to the **Discovery** tab. Instead, while this mode is enabled, KX routers are discovered as a part of the KX discovery process.
- This feature requires that you buy a *Direct Densité Card Control* licence from Grass Valley. For more information, contact Grass Valley Technical Support (see "Contact Us", on page 19).

IMPORTANT: System behavior

When performing an MIU (Miranda Interface Updater) upgrade of Densité cards, the upgrade may not succeed if the RCP-200 or an Application Server is connected to the Densité frame.
Perform **one** of the following two workflows to put your Densité frame into *Standby* mode.

Workflow #1 (to be performed on the physical RCP-200 unit):

1. On the RCP-200, press the **CONFIG** button.
2. Click the **COMM** soft button.
3. Click the **DENSITE FRAME MANAGER** soft button.
4. Select the appropriate Densité frame from the list.
5. Click the soft **Standby** button (next to the list of Densité frames).

Workflow #2 (to be performed in iControl Navigator):

1. In iControl Navigator, use the **Discovery** menu to connect to the RCP-200 through the network (while disconnecting from the current location).
2. Double-click the appropriate Densité Manager (under the appropriate RCP-200 folder) to open the control panel.
3. In the **DensiteManager** window, select the Densité frame and then click **Standby**.

See also

For more information about the new *Direct Densité Card Control* mode in RCP-200 version 1.60, see the *RCP-200 Advanced Remote Control Panel Guide to Installation and Operation* (**M876-9900-104**).

RCP-200 Services

- [Ref. #34952] RCP-200 now offers a visually clearer picture of connected devices. Version 1.60 of RCP-200 no longer displays unsupported devices in the *Show all devices* mode. Prior to this release, RCP-200 displayed unsupported devices with grayed out card information alongside supported devices.

New in Version 1.50

Kaleido-X Router

- [Ref. #33381] In version 1.50, RCP-200 introduces enhancements to the Kaleido-X interface. RCP-200 users can now control the Kaleido-X multi-viewer without needing the source assignment interface of an intermediary Application Server. The RCP-200 automatically discovers the KX Router logical router yielding a simpler and more direct integration.

New in Version 1.40

Access Control

- [Ref. #31310/31478] RCP-200 now implements iControl's security functionality, allowing administrators to control individual users' access. If Access Control is enabled in iControl, upon starting the RCP-200, users are asked to log in with a user ID and password on a virtual keyboard displayed on the screen.

  Note: The varying levels of permissions are administered in iControl.

  See also

  For more information, see the *Access Control* chapter of the *iControl Version 4.11 User Guide*.

Densité Services

- [Ref. #26334] **IRD-3802**: *MPEG decoder with ASI and GigE IP inputs*, **IRD-3101**: *Standard definition MPEG decoder with ASI and GigE IP inputs*

  RCP-200 version 1.40 supports:

  - IRD-3802 Densité card (tested with firmware version 3.2.4)
  - IRD-3101 Densité card (tested with firmware version 3.2.5)

- [Ref. #26335] **IRD-3811**: *Integrated receiver/decoder with ASI and RF inputs*, **IRD-3111**: *Standard definition receiver/decoder with ASI and RF inputs*

  RCP-200 version 1.40 supports:

  - IRD-3811 Densité card (tested with firmware version 3.2.4)
  - IRD-3111 Densité card (tested with firmware version 3.2.5)

- [Ref. #26536] **HMP-1801**: *Stereoscopic 3D/HD/SD solid state media server*: RCP-200 version 1.40 supports the HMP-1801 Densité card (tested with firmware version 5.0.2).

User Interface

- [Ref. #24366] In Version 1.40, under the **Card Index** tab, RCP-200 now allows you to scroll through and choose from a list of more than 15 routers (in cases where there are more than 15), using the **F2** and **F3** LED buttons as *UP* and *DOWN* buttons, respectively. Pressing **ALT-ROUTER** makes the page with the currently selected router always appear, even if it's

not the first page. Additionally, the *iControl Services* pseudo-router remains anchored on the first button.

New in Version 1.32

Support Added for these Products

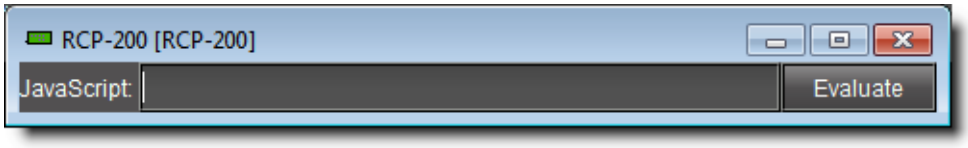
- [Ref. #31098/30307] **XVP-3901**: *3Gbps/HD/SD up, down & cross converter with audio processor*: Added Fingerprint feature (requires iControl version 4.10 or later and XVP-3901 firmware version 3.0.0 or later).

New in Version 1.31

User Interface

- [Ref. #28116] If desired, users may now disable (hide) the **iControl Services** button on the **Alt + Cat Index** page by implementing a line of script. Perform the following procedure to hide the **iControl Services** button:

  1. Open iControl Navigator.
  2. On the **Logical view** tab, double-click the **Control panels** folder, and then double-click the icon for the appropriate RCP-200 to open the script window.



  3. In the script window, type the following:

     ```
     navigator.setPreference("rcp200/routerView/--cardList", "disabled",
     "true");
     ```

  4. Click **Evaluate**.
  5. Restart your RCP-200.

> **Note:** To *display* the **iControl Services** button, perform the procedure again but change "`true`" to "`false`" in the script.

New in Version 1.30

Support Added for these Products

- **ADX-3981**: *3Gbps/HD/SD 8 AES audio and Metadata de-embedder*: Added Fingerprint feature (requires iControl version 4.0 or higher).
- **AMX-3981**: *3Gbps/HD/SD 8 AES audio and Metadata de-embedder*: Added Fingerprint feature (requires iControl version 4.0 or higher).
- **EAP-3901/3101**: *Embedded audio and Metadata processors*: Added Fingerprint feature (requires iControl version 4.0 or higher).

- **Kaleido series**: This includes the Kaleido-Modular, Kaleido-X and Kaleido-X16.
- **VEA-1002/1023**: Analog video distribution amplifiers with EQ.
- **DDA-1113/1133**: AES distribution amplifiers.
- **WDA-1001**: Word clock distribution amplifier.
- **3DX-3901**: Stereoscopic 3D video processor (3Gbps/HD).

Enhancements and New Features

See also

For more information about the following enhancements and new features, see the *RCP-200 Advanced Remote Control Panel Guide to Installation and Operation* (**M876-9900-101**).

- [Ref. #1300] New Alpha-Numeric Sorter router view: Default router view for new installations. Configurable from **CONFIG** menu.
- [Ref. #1301] New KX-Series Control Panel.
- [Ref. #1302] New configurable preference for List Scroll: clockwise or counterclockwise.

Bugs Fixed on the RCP-200

Fixed in Version 1.82

- [Ref. #RCP200-1037] RCP-200 version 1.82 upgrades the Bash shell version.

Fixed in Version 1.81

- [Ref. #RCP200-964] The panel for the ADC-1101 may not display properly.
- [Ref. #RCP200-963] On the RCP Web panel (on iC Web), it is not possible to modify the output masks values on an XVP card's HD Video Output: Arc 1/2 tab using the up/down arrows or by entering the value manually.
- [Ref. #RCP200-962] On an RCP-200, after you first display an NV9647 router control panel, and then change the displayed screen, clicking the **ROUTER** button does not re-display the router control panel. The user is forced to navigate to the control panel through a sequence of selections as was done when first accessing this control panel.
- [Ref. #RCP200-961] The panel for the AAP-1741 Densité card may not display properly.
- [Ref. #RCP200-924] On the RCP-200, when an item is selected from a list comprising two items, it is difficult (based on the color) to differentiate between a selected item and an item that is not selected.

Fixed in Version 1.80

- [Ref. #RCP200-932] In systems controlled by an RCP-200 that use IRD-3801, IRD-3802 or IRD-3811 Densité cards, the **AUDIO SELECTION** setting may change unexpectedly when you perform the following sequence of steps:

1. Navigate to the **IRD | DECODER | SELECTION | AUDIO SELECTION** page.
2. Navigate to any other page that employs the 2nd and 4th knobs of the RCP-200.
3. Turn either the 2nd or 4th knobs.

Fixed in Version 1.70

- [Ref. #36317] When the RCP-200 is in *Standalone* mode, it is not possible to rename any Densité cards.
- [Ref. #35253] The XVP-3901 Densité card's Rear type is unavailable in Standalone mode in RCP-200 version 1.70 and only will be available in RCP-200 version 1.7.
- [Ref. #33878/34275] After adding or removing an Application Server's IP address to the Discovery lookup list (**Discovery** tab), certain functions (notably, the *Router View*) of the RCP-200 may stop responding.
- [Ref. #30587] After the *Router Selection* feature (**ALT**+**ROUTER**) automatically recognizes an HCO-122 Densité card as a router, the following sequence of user steps may cause an error message to appear indicating the service is not listed in GSM:
  1. Select the HCO-122 service from the **ALT**-**CAT**-**INDEX** service listing.
  2. Switch to the **CAT**-**INDEX** matrix.

Fixed in Version 1.61

- [Ref. #35596] In RCP-200's Router View, when using the alpha-numeric sorter, if there are two labels and either of the following two conditions are met, one of the labels may not be displayed:
  - One label's value is a prefix of the other label's value (e.g. the label `NASA` is a prefix of the label `NASA MED`).
  - One label's value is a prefix of the other label's value (as above). However, there are one or more non-alpha-numeric special characters in one or both of the labels. In short, the system only considers letters and numbers as significant and ignores non-alpha-numeric characters (e.g. `ABC` is considered by the system to be a prefix of `A-B Channel`; and `NASA` and `N.A.S.A.` are considered to be the same).

Fixed in Version 1.60

- [Ref. #33800] After adding a Kaleido-IP unit to the Kaleido discovery on an RCP-200, the KX router associated with that Kaleido-IP may not be selectable.

  IMPORTANT: Kaleido-IP version 6.40 or later required

  In order for the solution to this bug to take effect, your Kaleido-IP must have software version 6.40 or later.

- [Ref. #31671] If a router's logical name contains a space, the router's levels may not be selectable.

Fixed in Version 1.50

- [Ref. #30951] A router with a space in its name is not recognized by the RCP-200.

Fixed in Version 1.40

Densité Services

- [Ref. #31472/32246] **HMP-1801**: When selecting a Preload, a different clip than the one you chose may cue and play.

IMPORTANT:	**Your Application Server iControl software must be version 4.11 or later** The resolution to this bug in RCP-200 software only works if your Application Server's iControl software is version 4.11 or later. If your Application Server software does not meet this condition, the HMP-1801 panel on the RCP200 will not function properly.

- [Ref. #23734] Audio-streaming may intermittently cut off due to audio loss packets. This may result in an audible tick or pop.

Fixed in Version 1.31

- [Ref. #30458] **The RCP-200 Tolerance feature creates useless virtual alarms in GSM**: When a card is selected for the first time with the RCP-200, virtual alarms are created for the Tolerance feature. The alarms are created even if the user has not enabled the feature on that card. In large systems of complex cards, the alarm count easily becomes high and consumes memory.
- [Ref. #30017] **Thread proxy leak in Densité Manager when using RCP-200**: A new Proxy Listener thread is created in Densité Manager each time a card is selected on the left RCP-200 screen. Services may start behaving erratically and the Densité Manager may run out of memory.

Fixed in Version 1.30

- [Ref. #28481] **Ergonomy for the configuration of the Junger ALC module**: The configuration of the Junger ALC module (program structure and channel assignment) is supported on the RCP-200, but requires simplification.
- [Ref. #28414/28437] **AMX-3981, ADX-3981, EAP-3901**: On the **Audio Status** tab, the panel is not functioning properly.
- [Ref. #28431] **3DX-3901**: On the **Home** | **Status** tab, the **Input Status** LED is grayed out and does not reflect the input.

IMPORTANT:	**Your Application Server iControl software must be version 4.00 or later** The resolution to this bug in RCP-200 software only works if your Application Server's iControl software is version 4.00 or later.

- [Ref. #29541] **DAP-1781, UAP-1783, AAP-1741 require iControl 4.0 or above**: The *UPMIX* and *DOWNMIX* parameters may not work properly; some parameters may appear grayed-out when they shouldn't be, or vice versa.

Known Issues and Limitations

The following is a list of known issues and limitations currently associated with RCP-200. The star (★) symbol indicates a new issue in RCP-200 version 1.90.

- [Ref. #36780] In RCP-200's ASSIGN CHANNEL screen for the KX widget, when you try selecting a composite monitor, the RCP-200 may place a yellow border (indicating a selection) around a much larger area rather than just the intended monitor.

  Workaround: If this occurs, change the unit of measure of the monitor bounds from *absolute pixels* to *percentage*. To make this change, use the *Region Editor* (see the "Using the Region Editor" section of the "Creating Layouts" chapter of the *Kaleido-X User's Manual*).

- [Ref. #36702] When the RCP-200 is in *Via Application Server* mode, KX router statuses in the *Router View* (*CAT index* on older RCP-200 units) may not be visible.

  Workaround:

  1. Add your Kaleido to both the DISCOVERY screen's list and the KALEIDO DISCOVERY screen's list.
  2. Perform a soft restart of the RCP-200 unit.

- [Ref. #36596] In RCP-200's *Router View*, when the Category Index GUI is enabled and you dial a source with two zeros (e.g. `SRC00`), the system may dial in immediately following input of the first zero (without waiting for the second zero). Additionally, the **TAKE** button likely will remain disabled after the second zero is inputted.

  Workaround: Do not use multiple zeros in labels.

- [Ref. #36070] When the RCP-200 is in *Standalone* mode, the overall alarm icons of the Densité cards displayed in iControl Navigator are blue.

  Workaround: This is a known issue that does not affect operations.

- [Ref. #34820] After performing an *Option Key Validation* operation, the **RESTART** button may not be visible.

  Workaround:

  1. Select any other window.
  2. Select the **Densité Card Control** window.

- [Ref. #34781] When a CPU-ETH1 card is being managed by more than one Densité Manager (e.g. an RCP-200 and an Application Server), you may experience intermittent frame and card service detection on all connected Densité Managers.

  Workaround: If you plan on having more than one Densité Manager connection, make sure you connect, instead, to a CPU-ETH2 card. The CPU-ETH1 card has a one-connection limit.

- [Ref. #34574] If the last view before restarting an RCP-200 was a router panel, the RCP-200's attempt to restore that view after starting up may not succeed.

  Workaround: Press the *ROUTER/CAT INDEX* button to properly restore the panel.

- [Ref. #33989] Instances of Densité cards that function as routers (e.g. HCO-1822) may be indistinguishable from one another by the router picker.

  Workaround: Make sure you configure a unique and meaningful name for each card.

- [Ref. #33977/33966] After clicking **ALL DEVICES** on the RCP-200, router services are displayed in the service/device list as unsupported (that is, they appear gray), when, in fact, they **are** supported. This occurs because the method by which router services are accessible is not by navigating to the *ALL DEVICES* mode list view, but rather by pressing **ALT**+**ROUTER**.

- [Ref. #33949] If your RCP-200 is displaying a list of available layouts for a Kaleido-IP or Kaleido-X room (**LAYOUT SELECT** tab), and you subsequently create a new layout for this room in XEdit, the new layout may not appear in the RCP-200's layout list.

  Workaround: If this occurs, re-click the **LAYOUT SELECT** tab to refresh the layouts list.

- [Ref. #33948] If you log out of a multiviewer room, the subsequent login window may appear with an empty user list.

  Workaround: If this occurs, select the multiviewer room from the list again.

- [Ref. #33933] If a Kaleido-X Router service is unreachable and then is restored to service, changing cross-points afterward may not be possible.

  Workaround: Reload the router panel.

- [Ref. #32557] If your RCP-200 has a user board whose revision number is 300 or greater, then it is equipped with a new LCD display that requires the RCP-200 software to be version 1.40 or later. If you are attempting to install an earlier software version (pre-version 1.40) on your RCP-200, an error message will appear asking you to upgrade your software.

- [Ref. #30588] **When in Application Server mode, Application Server reboot requires a reboot of the RCP-200:**

  After a reboot of the iControl Application Server (for example, following the software upgrade or downgrade of an Application Server), it is also recommended to reboot the RCP-200 unit. For further safety, wait until the appserver is fully rebooted before restarting the RCP-200.

  > **Note:** This is only applicable if your RCP-200 unit is **NOT** in *Standalone* mode.

- [Ref. #30583] **Keyboard usage is limited**: Connection of a USB keyboard to the RCP-200 is allowed, but not recommended. Specific keystroke combinations could put the panel in a state which may not be obvious to the user how to escape from. Additionally, the validation being done for direct data entry below the sliders is not complete. The keyboard should be used only for maintenance purposes, under supervision of Grass Valley's technical support staff.

- [Ref. #29593] **Router view not refreshed coming back from standby mode**: After disabling Standby mode, the *Router* view may not be populated with the available cards.

  Workaround: Reselect the view by pressing the *Router* button to update the screen properly.

- [Ref. #29522] **FRS-1801: RALM assignment text doesn't fit inside list box**: The choices for the configuration of RALMs, performed under *CARD CONFIG* | *RALM*, are not properly displayed. Some text strings are truncated.

  Workaround: Use the iControl service panel instead.

- [Ref. #29503] If your Densité cards have firmware enabling support for fingerprint configuration, the control panels for these cards will show fingerprint controls, even if the version of iControl you are using does not support it. In this case, even if there are incoming lipsync and reference signals, your RCP-200 is unable to detect, compare, nor analyze them.

- [Ref. #29347 / 29350 / 29354 / 29364 / 29367 / 29491] **Unreachable Card**: When selecting a card, the message `Unreachable Card` may appear on the right screen.

  Workaround: If this happens, wait a few seconds and try reselecting the card.

  This message is often seen when the card takes too long to load. The message, and slow card-loading behavior (more than 5-6 seconds), is generally a sign of a busy Application Server. Contact your system administrator for an Application Server diagnostic test (memory and CPU usage).

- [Ref. #28671] When the KX widget is loaded into the RCP-200 and you then load the **Config** screen, if you choose to return to the KX widget by pressing **Config**, you may not be able to preserve the room/layout data.

  Workaround: Navigate back to the room list instead of pressing **Config**, and then reselect the room.

- [Ref. #28445] **Minimum Delay for the AMX-3981, ADX-3981, EAP-3901, EAP-3101**: The *Minimum Delay* paramete that can be applied to the video output timings, is not available under RCP-200RCP-200RCP-200RCP-200.

  Workaround: Use the iControl panel to set this parameter.

  Remember that once the *Minimum Delay* parameter is set the delay sliders are grayed-out, and some card features are disabled.

- [Ref. #27003] **RCP-200 does not reboot when Ethernet configuration is invalid**: When configuring your Ethernet parameters, if your IP address, network mask, and gateway addresses are inconsistent, the RCP-200 may not restart (screens dark and buttons extinguished).

  Workaround: Make sure that the IP address, network mask, and gateway addresses are consistent. In case they are not and the RCP-200 consequently fails to restart, reboot the unit, either by unplugging the power or by pressing **Esc** + **Alt** + **Home** simultaneously, and when it is up and running verify and correct the Ethernet addresses.

- [Ref. #24611] **Missing tabs on right screen**: If the iControl Services of the Densité card currently selected on the right screen is restarted, the control panel will temporarily

disappear. When it comes back, some tabs could be missing. This may happen if the Densité frame hosting the card is restarted.

Workaround: Refresh the control panel by reselecting the card on the left screen.

- [Ref. #24468] RCP-200 screens may go blank and the unit may become unresponsive if the *STANDBY* button is pressed while still in *Panel Lock* mode (*PNL LOCK* button). If this happens, pushing buttons will not make the unit responsive again.

  Workaround: Make sure you exit *Panel Lock* mode **before** entering *Standby* mode.

  If, as a direct consequence of this issue, the unit does become unresponsive, make sure not to press the *PNL LOCK* button. The only button sequence that will allow you to recover from this problem is to press *ALT* + *PNL LOCK* again.

- [Ref. #24419] A logical router with parentheses in its name may not be able to communicate with the RCP-200 properly. The source labels, destination labels and destination buttons may not be displayed.

  Workaround: Change the name of the logical router so there are no parentheses.

- [Ref. #24380] **Screen refresh problem when quickly switching to/from the HOME page**: When alternating quickly between the HOME page and other card categories, the RALM and/or the video thumbnail may not be properly erased.

  Workaround: Pause and then reselect the desired category to get the proper screen refresh.

- [Ref. #23653] The RCP-200 panel buttons may occasionally light up all at once. **The panel remains functional** but the lights do not extinguish.

  Workaround: Restart the unit.

- [Ref. #23246] The RCP-200 *Standby* mode can be deactivated by some buttons but not others. Once in Standby mode, system behavior is as follows:

  - LCD screens turn off (turn blank)
  - All LED buttons go blank
  - STANDBY LED button blinks
  - Rotator knobs do not deactivate Standby mode
  - All soft buttons deactivate Standby mode
  - PNL LOCK/STANDBY button glows a steady blue (medium intensity)
  - PNL LOCK/STANDBY button deactivates Standby mode

- [Ref. #21692 / 24685] **Loss of connectivity to the Application Server makes RCP-200 appear frozen**: In case of a loss of Ethernet connectivity, the RCP-200 may take a few minutes to notify the user of such a loss. If during that time some operations are done on the right screen, no feedback will be provided, and the unit will appear to be frozen.

  Workaround: If this happens, there is no need to restart the RCP-200 unit; check and repair your network connection, and wait a few seconds until the unit becomes responsive.

- [Ref. #18713] On rare occasions after restarting the RCP-200, one of the following behaviors may occur:

- Touching one screen may activate the pointer on the other screen.
- The left screen is unresponsive when touched and touching the right screen activates the pointer on the left screen.

Workaround: Restart the RCP-200.

Densité Cards Supported in this Release

This list is updated on a regular basis, as new cards become available.

> **Note:** Compact Flash Version information is found on your RCP-200 under:
> `CONFIG | SYSTEM | DIAG`

Table 1:

Card Model	RCP-200 Software Version	iControl Version
3DX-3901	1.2.0 (build 654)	3.70
AAP-1741	1.0.0 (build 475)	3.51
ADA-1023/1033	1.1.0 (build 533)	3.60
ADC-1101	1.1.0 (build 533)	3.60
ADC-1721/1722	1.1.0 (build 533)	3.60
ADX-1121/1141	1.1.0 (build 533)	3.60
ADX-1842/1852	1.1.0 (build 533)	3.60
ADX-1881	1.1.0 (build 533)	3.60
ADX-3981	1.2.0 (build 654)	3.70
AMX-1101	1.1.0 (build 533)	3.60
AMX-1121/1141	1.1.0 (build 533)	3.60
AMX-1842	1.1.0 (build 533)	3.60
AMX-1881	1.1.0 (build 533)	3.60
AMX-3981	1.2.0 (build 654)	3.70
DAC-1721	1.1.0 (build 533)	3.60
DAP-1781	1.0.0 (build 475)	3.51
DDA-1112/1132	1.1.0 (build 533)	3.60
DDA-1113/1133	1.2.0 (build 654)	3.70
DEC-1002/1003	1.1.0 (build 533)	3.60
DEC-1021/1023	1.0.0 (build 475)	3.51
EAP-1103	1.7.0	4.14
EAP-3101	1.2.0 (build 654)	3.70

Table 1: (*Continued*)

Card Model	RCP-200 Software Version	iControl Version
EAP-3901	1.2.0 (build 654)	3.70
ENC-1101/1103	1.1.0 (build 533)	3.60
FRS-1103	1.1.0 (build 533)	3.60
FRS-1801	1.1.0 (build 533)	3.60
HCO-1821/1822[1]	1.7.0	4.30
HCO-1831[2]	1.6.1	3.53
HDA-1822/1832	1.1.0 (build 533)	3.60
HDA-1911/1931	1.0.0 (build 475)	3.51
HDC-1861	1.1.0 (build 533)	3.60
HMP-1801	1.4.0	4.11
HRS-1801[2]		
IRD-3101	1.4.0	4.12
IRD-3111	1.4.0	4.12
IRD-3801	1.4.0	4.12
IRD-3811	1.4.0	4.12
KMV-3901	1.3.0 (build 671)	4.01
SDA-1102/1112	1.1.0 (build 533)	3.60
SDA-1141/1142/1162	1.1.0 (build 533)	3.60
SDA-1401	1.1.0 (build 533)	3.60
UAP-1781/1783	1.1.0 (build 533)	3.60
VDA-1002	1.1.0 (build 533)	3.60
VEA-1002	1.2.0 (build 654)	3.70
VEA-1021/1023	1.2.0 (build 654)	3.70
WDA-1001	1.2.0 (build 654)	3.70
XVP-1801	1.0.0 (build 475)	3.51
XVP-1801-DC	1.0.0 (build 475)	3.51
XVP-1801-FS	1.0.0 (build 475)	3.51
XVP-1801-SD	1.0.0 (build 475)	3.51
XVP-1801-UC	1.0.0 (build 475)	3.51
XVP-3901	1.0.0 (build 475)	3.51
XVP-3901-DC	1.0.0 (build 475)	3.51
XVP-3901-FS	1.0.0 (build 475)	3.51

Table 1: (*Continued*)

Card Model	RCP-200 Software Version	iControl Version
XVP-3901-UC	1.0.0 (build 475)	3.51
XVP-3901-XC	1.0.0 (build 475)	3.51

1. While in *Application Server* mode, for this Densité card to be supported, your Application Server must be running iControl version 4.30 or later.
2. The support for this card is limited to router control.

In addition to the Densité Cards listed above, the RCP-200 also supports the Kaleido Series of products starting with version 1.3 (build 671):

- Kaleido-Modular (KMV-3901)
- Kaleido-X
- Kaleido-X16

See also

For more information about:

- products not appearing in see Table 1, on page 15, contact your regional sales representative (see "Contact Us", on page 19).
- downloading released RCP-200 firmware, go to the Grass Valley Web site (see "Contact Us", on page 19).

Symphonie Cards Supported in this Release

IMPORTANT: RCP-200 Must Be In Application Server Mode

For the RCP-200 to support the XVP-811i Symphonie card on the Symphonie frame, it must be in *Application Server* mode.

Table 2:

Card Model	RCP-200 Software Version	iControl Version
XVP-811i	1.2.0	3.70

Routers Supported in this Release

The following table lists the router protocols supported by RCP-200 version 1.90.

Table 3: Router protocols supported by RCP-200

Company	Protocol	Typically used with
Datatek	D-2815 Control Module Protocol	
Digipath	Digipath series communications protocol	Sahara

Table 3: Router protocols supported by RCP-200 (*Continued*)

Company	Protocol	Typically used with
ETL	ETL Matrix	ETL Matrix
Evertz	Quartz Type 1 ASCII Protocol	EQX
Harris (Leitch)	Harris XY Passthrough Protocol	Platinum, Xplus, Integrator, Via-32, Panacea, Xpress
Lantronix	(Lightwave) Matrix-Hub Protocol	Matrix-Hub 1000
Nevion (Network Electronics)	Network Compact (serial)	VikinX Compact
	Network Modular (Ethernet)	VikinX Modular
Grass Valley	Densité	HRS-1801
	Densité	HCO-1801
Grass Valley (NVISION)	NVISION Ethernet protocol - Enterprise router	NV9000 system controllers
	NVISION Ethernet protocol - Compact router	Compact router series
PESA	CPU Link Protocol No.1 (serial)	Cheetah, Tiger TDM3000, Jaguar, Cougar, Ocelot, Bobcat, PERC2000 system controller
	USP (Unsolicited Status Protocol)	
Quintech	XRM/SRM/MRF/MRM Series Protocol (serial)	SRM 2150 Matrix Switching Systems
Snell (Pro-Bel) General	General Switcher Protocol (SW-P-02)	
	General Remote Protocol (SW-P-08)	Halo, Aurora and Sirius Controller (serial control)
Sony	GVG-NP Emulation	Sony routers (requires HKSPC card); GVG routers (Ethernet)
Thomson/Grass Valley	GVG 7000 Native Protocol (serial)	Concerto-series routers, Encore-series control panels
Thomson/Grass Valley (Philips)	Jupiter VM-3000 ASCIII Protocol	Venus-series and Trinix-series routers
Utah Scientific	PL-160/PL-320	AVS-1B
	RCP-1	SC-1, SC-2, SC-3 series
	RCP-3	SC-4 (Ethernet only)

Contact Us

Grass Valley Technical Support

For technical assistance, contact our international support center, at 1-800-547-8949 (US and Canada) or +1 530 478 4148.

To obtain a local phone number for the support center nearest you, please consult the *Contact Us* section of Grass Valley's web site (`www.grassvalley.com`).

An online form for e-mail contact is also available from the web site.

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