Technical Service Bulletin

NOTES:

The RSP-1582 model supports 2 versions of hardware. To ensure the proper software update is loaded please review the information below to ensure you download and install the correct software for the RSP-1582 hardware.

RSP-1582 4K (Non HDR Hardware)

This version of RSP-1582 does not include the HDMI Upgrade Kit to support HDMI 4K HDR. The unit hardware operates with software versions beginning with 2.XX. Meaning the software that can be loaded into the RSP-1582 4K (Non HDR) units must only be Version 2.XX (as example Version 2.82). If you are unsure of the hardware version of your RSP-1582 please contact your dealer or authorized service center.

RSP-1582 4K HDR

The updated version of RSP-1582 has an HDMI Upgrade Kit installed to support HDMI 4K HDR. The unit hardware operates with software versions beginning with 5.XX. Meaning the software that can be loaded into the RSP-1582 4K HDR units must only be Version 5.XX or higher (as example Version 5.30). If you are unsure of the hardware version of your RSP-1582 please contact your dealer or authorized service center.

Software Release Notes

The following document contains details of the software updates for the RSP-1582. This model utilizes three separate software modules (Main, DSP, Standby) and release notes for each are listed below.

Key:

New Feature   Feature Change   Bug Fix – Critical   Bug Fix – Minor

Main Software

V2.81 to V2.82   January 16, 2017

- Bug Fix (Minor): Fixed a bug that could cause no 4K video passthrough with certain Oppo and Samsung Blu-Ray players.

V2.72 to V2.81   January 9, 2017

- New Feature: Added discrete IR codes to select the following DSP modes: Pro Logic II Cinema, Pro Logic II Music, 5 Channel Stereo, 7 Channel Stereo.
- Feature Change: DSP modes can now be switched when a digital source is selected even if there is no signal playing. Previously, unit did not allow switching DSP modes on digital sources unless actively playing audio.
- Feature Change: Updated RS232 feedback for Stereo DSP mode from "dsp_mode=Stereo!" to "dsp_mode=stereo!" to be consistent with all lowercase format.
- Bug Fix (Minor): Optimized audio performance on all DSP modes.
- Bug Fix (Minor): Optimized the subwoofer level output on Stereo, Dolby 3 Stereo, 5 Channel Stereo and 7 Channel Stereo DSP modes.
- Bug Fix (Minor): Fixed a bug that could cause the subwoofer output level to change on Dolby 3 Stereo mode after looping through all the DSP modes via the SUR+ button.
- Bug Fix (Minor): Corrected issue where discrete .1 LFE audio from 5.1/7.1 soundtracks would still play through the subwoofer output even if the Subwoofer was set to NO in the SPEAKER CONFIGURATION menu.
- Bug Fix (Minor): Optimized the subwoofer test tone output level on both SPEAKER LEVEL SETUP and PEQ CONFIGURATION menus.
- Bug Fix (Minor): Improve HDMI audio stream locking performance to resolve occasional HDMI handshake errors that could result in no audio.
- Bug Fix (Minor): Unit will no longer attempt to re-sync the HDMI connection if the current input is re-selected (i.e. selecting VIDEO 1 from the input menu or remote while already on that input).
- Bug Fix (Minor): Unit will no longer unmute when switching to a different source disc on a connected BD/DVD player.
- Bug Fix (Minor): Fixed an issue that could cause no standby video output in certain circumstances.

- Bug Fix (Minor): Fixed a bug that could cause the unit to unexpectedly power on and occasionally freeze when a connected Apple TV was powered on while the unit was in standby mode.
- Bug Fix (Minor): Optimize IP communications when under network wakeup mode, to avoid lockup issues if multiple commands are sent over IP while unit is powering up.
- Bug Fix (Minor): Fixed various intermittent errors that could occur after multiple quick repeated power cycles via IP control and with a Static IP configured.
- Bug Fix (Minor): RS232 commands would previously allow selection of unavailable DSP modes – i.e. switching to 5 Channel Stereo mode while unit is decoding Dolby TrueHD 7.1 audio. Unit will now ignore these commands.
- Bug Fix (Minor): Analog Bypass mode will now remain on the TFT as the active mode instead of disappearing after 5 seconds.
- Bug Fix (Minor): Aligned the cursor on the SOURCE INPUT selection menu so it is centered on the input names.
- Bug Fix (Minor): Changing the default DSP mode on the INPUT SETUP menu will no longer change the current DSP mode immediately. New default mode changes will take effect the next time the input is selected or upon power cycle.
- Bug Fix (Minor): Fixed an issue where Test Tones would continue to play from the Front Left speaker if cursor was scrolled up from FRONT LEFT to BACK on the SPEAKER LEVEL SETUP menu.
- Bug Fix (Minor): Fixed several different text inconsistencies between the OSD output and TFT display:
  - *On the SPEAKER DISTANCE SETUP menu, a discrepancy could occur with displayed speaker distances when changing speaker configurations such as enabling/disabling Center Back channels.*
  - *The incorrect audio source would be displayed on the top left of the TFT screen when an analog audio input was configured for the Video 1-8 sources.*
  - *On the INPUT SETUP menu, the Default Mode could display inconsistent values in some configurations when changing between the different Dolby PLIIx or DTS Neo:6 modes.*
  - *After setting or changing a Static IP address values, the updated values on the OSD output do not update on the VIEW NETWORK SETTINGS menu until fully exiting and re-entering the setup menu.*
  - *On the NETWORK CONFIGURATION menu, unavailable menu options on the TFT would display as greyed out text on previous software versions, while the same items would be completely hidden on the OSD. Now both TFT and OSD hide unavailable menu options.*

V2.60 to V2.72   October 20, 2016

- New Feature: Added front panel factory reset option. Press and hold the MENU button for 15 seconds to reset unit to factory default.
- Feature Change: Enabled support for displaying special characters on the TFT display when displaying track/artist information from a connected iOS device on the front USB input.
- Feature Change: Moved the HDMI ARC function from the VIDEO SETUP menu to instead be a selectable Audio Source on the INPUT SETUP menu.
- Feature Change: Updated several of the Setup menu screens to ensure consistent spelling and settings between the TFT and HDMI output screens.

- **Feature Change:** Updated several DSP mode names to be consistent between the front TFT display and the HDMI on screen output.
- **Bug Fix (Minor):** Resolved an issue causing 1 second delay to audio when using coax/optical inputs.
- **Bug Fix (Minor):** Fixed a labeling error where the "Stereo" and "Bypass" modes were labeled incorrectly so it would appear there was subwoofer output in bypass mode and no subwoofer was present in stereo mode. Unit now has modes labeled correctly and subwoofer is available in stereo mode, and no subwoofer in bypass mode.
- **Bug Fix (Minor):** Removed a popping noise from the subwoofer or surround channels that could occur when muting, minimizing volume or pausing a source.
- **Bug Fix (Minor):** Fixed a bug that would cause unit to stop responding to commands sent via IP control if too many commands sent rapidly.
- **Bug Fix (Minor):** Fixed a bug that could cause unit to unmute when exiting the setup menu.
- **Bug Fix (Minor):** Changed the status text when updating software from a percentage meter to a general "please wait" message.
- **Bug Fix (Minor):** Improved a small thumping sound from the subwoofer when changing volume with no audio playing.

V2.59 to V2.60   March 10, 2016

- **New Feature:** Enabled subwoofer output in Stereo, Dolby 3 Stereo and Dolby Pro Logic II modes when speakers are configured as SMALL or Subwoofer as MAX and input source is digital.
- **Feature Change:** Improved the response time for the unit to respond to commands after exiting the Setup Menu.
- **Feature Change:** Changed DSP mode name from "PCM 2CH" to "Stereo".
- **Feature Change:** Updated RS232 feedback for XLR input from "source=bal-xlr!" to "source=bal_xlr!" to be consistent with other Rotel models.
- **Bug Fix (Minor):** Removed some RS232 debug code that was displaying with the RS232 feedback when selecting inputs Video 5, Video 6 or Video 7.
- **Bug Fix (Minor):** Fixed a typo reporting "FRONT HEIGH" instead of "FRONT HEIGHT" in the Advanced Speaker Setup Menu.
- **Bug Fix (Minor):** Fixed a typo reporting "PANAROMA" instead of "PANORAMA" in the Dolby PLIIx Setup page of the OSD.
- **Bug Fix (Minor):** Fixed a bug where Analog Bypass mode would not display on the front TFT when selected.

V2.54 to V2.59   November 30, 2015

- **New Feature:** Added a menu selection to the Software Update menu to prompt for upgrade when detecting a new software version on the server, to avoid unit continually reporting an update is available when it is the same version.
- **New Feature:** Enabled IP control.
- **New Feature:** Added RS232/IP command "prologic_iiz!" to select Dolby PLIIz.
- **Feature Change:** Modified RS232 feedback format for volume from "dB" to "db" to be more consistent with all other RS232 feedback.
- **Feature Change:** Modified RS232 command for set volume to use all lowercase characters. Previous format was "volume_-nn.ndB!", the new format is "volume_-nn.ndb!".

- **Feature Change:** Removed the options 1.5 and 2.5 from the Q list for the Parametric EQ setup.
- **Feature Change:** Restrict the allowed DSP modes to allow only selecting DSP modes that would work with the current speaker configuration.
  > ***Example:*** *2.0/2.1 configurations can only select Stereo/Analog Bypass modes, 5.0/5.1 configurations cannot select 7 Channel Stereo or Dolby Pro Logic IIx, etc.*
- **Feature Change:** Restricted the margin level of adjustable main volume in accordance with the maximum trim level set in the SPEAKER LEVEL SETUP menu.
  > ***Example:*** *If set trim level of Center Back Left channel as "+6.5dB" as maximum in test tone page, the maximum margin of adjustable main volume will restrict to "0dB - (+6.5dB) = -6.5dB"*
- **Bug Fix (Minor):** Fixed an inconsistency in text between the front TFT and HDMI video output on the SPEAKER CONFIGURATION menu.
- **Bug Fix (Minor):** Fixed a bug where the RS232 feedback for Power On was missing the first character when the "Network Wakeup" setting was set to ON.
- **Bug Fix (Minor):** Improved the response time when pressing "Play" via remote or RS232/IP control to play or stop a Bluetooth source.
- **Bug Fix (Minor):** Fixed an issue where unit could lock up when viewing the SOFTWARE INFORMATION page on the OSD with system language set for Netherlands.

V2.53 to V2.54   October 7, 2015

- **Bug Fix (Minor):** Improved volume ramping speed via RS232.

V2.3 to V2.53   September 24, 2015

- **Bug Fix (Minor):** Corrected and adjusted several items for RS232 control and feedback.
- **Bug Fix (Minor):** Corrected a mismatch between the TFT and HDMI output display menu when changing Right/Left speaker levels on the SPEAKER LEVEL SETUP menu.
- **Bug Fix (Minor):** Center justified the "CANCEL" button on the TFT display on the INPUT SETUP menu.