Technical Service Bulletin

Dec 18, 2020

RAP-1580 - Version 2.12 Software Release

The RAP-1580 software has been updated to include bug fixes and improvements as listed below.

Release Type		
■ Maintenance	☐ Major	☐ Critical

Software Information	
New Version	**V2.12**
Previous Version	V2.11

Serial Number (Change will be effective in units after the serial numbers listed below.)	
Black	234-010-1050
Silver	734-816-1050

Release Notes
● Fixed a bug where there was a chance that the software update stuck at "DSP Update 99%".   ● Updated the text of Online Upgrade process for better clarity.   ● Other minor bug fixes.

For more information or questions please contact your customer service representative.

- - End - -

Technical Service Bulletin

Mar 25, 2020

RAP-1580 - Version 2.11 Software Release

The RAP-1580 software has been updated to Version 2.11. This release includes bug fixes and improvements as listed below.

Release Type		
■ Maintenance	Major	Critical

Software Information	
New Version	**V2.11**
Previous Version	V2.10

Serial Number (Change will be effective in units after the serial numbers listed below.)	
Black	234-844-1200
Silver	734-816-1050

Release Notes
● Minor bug fixes and improvements including an update to support additional internal flash chipsets.

For more information or questions please contact your customer service representative.

- - End - -

Technical Service Bulletin

Dec 4, 2019

RAP-1580 - Version 2.10 Software Release

The RAP-1580 software has been updated to Version 2.10. This release includes bug fixes and improvements as listed below.

Note: To successfully update from version 1.79 (or older) to version 1.81 (or newer), the unit must be updated 2 times via the front USB using the same version 1.81(or newer) software.

Release Type		
☐ Maintenance	■ Major	☐ Critical

Software Information	
New Version	**V2.10**
Previous Version	V2.00

Serial Number (Change will be effective in units after the serial numbers listed below.)	
Black	234-844-1200
Silver	734-816-1050

Release Notes
● Added count down messages for Auto Power Off Timer on the front display for better user experience.
● Added new options - 5.1.4 Extern Front Amp, 7.1.2 Extern Front Amp, 7.1.4 Extern Front & Surr Amps - to the Audio System Configuration menu for better user experience allowing redirection of internal amplifiers and adding external amplifiers for key channels.
● Eliminated audio stutters when pausing/stopping music playback or switching tracks on a Video source.
● Fixed a source indication error on the front display after switching the current source from CD to PC-USB.
● Improved the robustness of IP connection.
● Fixed a bug where temporary speaker volume level settings are not reset after a software power cycle.
● Fixed volume level errors when applying some surround mode settings.
● Fixed a bug where no audio output error occurs when switching a Video source with Dolby Atmos content playback to other Video sources then switching back.
● Fixed a bug where some channel outputs are lost when switching among Video sources under Dolby ATMOS or DTS Neural: X surround mode.
● Fixed sound reproduction errors when applying some audio or speaker settings.
● Fixed channel output mapping errors when applying some audio settings.

For more information or questions please contact your customer service representative.

- - End - -

Technical Service Bulletin - Updated

Mar 28, 2019

RAP-1580 - Version 2.00 Software Release

The RAP-1580 software has been updated to Version 2.00. This release includes several bug fixes and improvements. Release details are listed below.

Note: To successfully update from version 1.79 (or older) to version 1.81 (or newer), the unit must be updated 2 times via the front USB using the same version 1.81(or newer) software.

Release Type

■	Maintenance		Major		Critical

Software Information

New Version	V2.00
Previous Version	V1.88

Serial Number (Change will be effective in units **after** the serial numbers listed below.)

Black	234-816-1150
Silver	734-816-1050

Release Notes

● NOTICE: In some regions, NETWORK WAKEUP function will not be available due to the limitation of Standby Power Consumption. To control the Rotel product use the RS232 connection.

● Fixed few translation errors in French menu.

● Implemented same version upgrades via front USB or Network.

● Changed the available setting options of SIGNAL SENSE from Coax 1~3 and Optical 1~3 to VIDEO1~8 and BT to better support the implementation of SIGNAL SENSE AUTO.
Note that SIGNAL SENSE of VEDIO sources will be activated only when their audio input were digital input including Coax 1~3, Optical 1~3 or Bluetooth.

● Implemented SIGNAL SENSE AUTO. When SIGNAL SENSE was enabled but the last listening source was not the configured source, user puts unit into STANDBY mode and SIGNAL SENSE still could monitor the status of the configured source.

For example, VIDEO3 was configured as the SIGNAL SENSE source. The user is listening to VIDEO1 source then she puts the unit into STANDBY mode with remote control. The unit begins to monitor the audio input of VIDEO3 and will wake up and switch to the VIDEO3 input when a signal is detected.
If user uses remote control to turn on the unit then the previous input selection is active as in the example the unit would have VIDEO1 as the input.
If there is audio playing on the configured input when the unit is put into STANDBY the then audio must stop for 10 minutes before SIGNAL SENSE POWER ON is available.

-- Continued --

● Implemented an error message "SOFTWARE DOWNLOAD FAIL" to indicate a file download error situation.
● Improved the robustness of iPod connection to eliminate connection lost error.
● Fixed a bug flickering white TFT screen occurs occasionally when the unit boots up with STANDBY VIDEO SOURCE enabled.
● Implemented a feature digital audio inputs(i.e. Coaxial 1~3 and Optical 1~3) should be available when configuring TUNER input setup.
● Improved the booting process to eliminate a possible faulty HDMI version error after the unit boots up with USB source selected.

For more information or questions please contact your customer service representative.

- - End - -

Technical Service Bulletin - #180517

May 17, 2018

RAP-1580 - Version 1.88 Software Release

The RAP-1580 software has been updated to Version 1.88. This release includes improved support for HDR and ARC functions as well as other bug fixes and improvements. Release details are listed below.

Note: To successfully update from version 1.79 (or older) to version 1.81 (or newer), the unit must be updated 2 times via the front USB using the same version 1.81(or newer) software.

Release Type		
🟥 Maintenance	☐ Major	☐ Critical

Software Information	
New Version	**V1.88**
Previous Version	V1.78

Serial Number (Change will be effective in units starting with the serial numbers listed below.)	
Black	234-816-1001
Silver	734-816-1001

Release Notes

● NOTICE: To ensure compliance with local power consumption regulations the NETWORK STANDBY function has been removed from the RAP-1580 Software Version V1.88. RS232 communications remain active and provide full controls for integration with automation systems.

● Improved HDMI handshake process to support "Dolby ATMOS for Theater" audio device mode in XBOX ONE X and XBOX ONE S.
Note: Require installation and configuration of the Dolby ATMOS driver on XBOX One X and XBOX ONE S.

● Improved HDMI handshake process to fix no ARC function with some 4K HDR TV displays (e.g., LG65UJ750V, LG55UJ7588).

● Fixed a bug where the unit becomes unresponsive after a period of time if connected to the network and polled periodically.

● Updated new DSP firmware version to 1.9.87 with improved feature listed below:
    a). Reduced start-up time.
    b). Allowed the DSP firmware to be updated via front USB.

Note: To successfully upgrade from Main V1.79 (or older) to Main V1.81 (or newer) the unit must be upgraded 2 times via the front USB using the same V1.81 (or newer) software. Below shows the first and second upgrade results.
* 1st time: Version 1.78 (or older) to version 1.81 (or newer). Software Information will show DSP software version as V0.0.0.*
* 2nd time: Version 1.81 (or newer) to version 1.81 (or newer). Software Infornation will show DSP V1.9.87 (or newer).*

-- Continued --

- Added a software version check during power on and display a message if the software is invalid. The message below will be displayed on both TFT and HDMI OSD if any software versions are not valid.

> ### SOFTWARE VERIFICATION FAIL
>
> Please upgrade the software again.
>
> For assistance please contact your dealer or
> customer service representative or visit
> www.rotel.com/support
>
> **OK**

- Changed the default value of AUTO POWER OFF from DISABLE to 20 MINS to meet the latest EU power regulation.

- Reduced the audio and video output delay at power on and when switching source inputs for all audio configurations and all audio formats.

For more information or questions please contact your customer service representative.

- - End - -

Software Release Notes

The following document contains details of the software updates for the RAP-1580. This model utilizes three separate software modules (Main, DSP, HDMI).

Key:

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

Main Software

V1.60 to V1.71   July 10, 2017

- New Feature: Added the current HDMI software version information to the SOFTWARE INFORMATION page of the OSD.
- New Feature: Install new HDMI software V1.91.18_37700 which includes improvements to HDR and 3D compatibility.
- Bug Fix (Minor): Fixed a Kaliedescape HDMI 2.0 compatibility issue.

V1.55 to V1.60   July 10, 2017

- New Feature: Optimized the upgrading process to only update the HDMI and DSP portions of the software when there is changes in the new release, which will speed up the update process for updates that do not include DSP or HDMI version changes.
- New Feature: The HDMI software can now be updated as part of the front USB software update process.
- Bug Fix (Minor): Fixed a bug that could cause no output from the TV speakers when using the HDMI standby passthrough feature and the HDMI source was streaming non-LPCM content such as Dolby Atmos/Dolby TrueHD.

V1.54 to V1.55   June 22, 2017

- Feature Change: Removed the "HDMI OUTPUT ONLY" option from the Audio Mode menu as new HDMI updates have compatibility issues with this feature.

V1.45 to V1.54   June 21, 2017

- New Feature: Added a new option "FAST AUDIO SYNC" to the VIDEO SETUP menu. This setting can be assigned to one video input to increase the speed at which the unit locks on to the digital audio signal, helpful in situations where the audio signal may quickly lock and unlock, such as navigation sounds on an Apple TV.
- New Feature: Added a new option "OSD FORMAT" to the VIDEO SETUP menu to allow selection of 480p or 576p output resolution for the OSD as needed.
- Feature Change: Modified the volume ramping to go back to increments of 1 only, but at a faster rate than previously to allow fast volume ramping but with precision control.

- Bug Fix (Minor): Fixed an audio dropout that would occur when in Dolby Atmos mode and pressing the PLCM button on the remote, which previously would cause the unit to reselect the DSP mode.
- Bug Fix (Minor): Enhanced HDR compatibility for various brands of display devices.
- Bug Fix (Minor): Enhanced 3D compatibility for various brands of display devices.

V1.44 to V1.45   May 9, 2017

- Bug Fix (Minor): Reduced standby power consumption to <0.5W.

V1.44   February 28, 2017

- Initial Release.

HDMI Software

V1.00.04_30989 to V1.91.18_37700   June 21, 2017

- Bug Fix (Minor): Enhanced HDR compatibility for various brands of display devices.
- Bug Fix (Minor): Enhanced 3D compatibility for various brands of display devices.

V1.00.04_30989   February 28, 2017

- Initial Release.