

Main Software Upgrade Instructions

The RAP-1580 has three separate software modules: Main software, DSP software and Standby software. The instructions below detail the procedure to update the main and DSP software.

The procedure to update the main software can either be updated automatically via the internet if the unit is connected to a network via the Ethernet port, or for units not connected to the internet it can be updated using a USB flash drive connected via the front USB input. Only one update method need be used; both contain the same software.

This software is only for the RAP-1580. Rotel does not take any responsibility for loss of information or problems resulting from a failed download. Please contact Rotel Technical Support for assistance if any issues are experienced as a result of a failed or interrupted update.

Items needed for upgrade:

Internet Upgrade

- Ethernet cable connected between the unit and a functioning internet connection.

Front USB Upgrade

- USB flash drive
- Upgrade software file(s)
- A computer (to copy the software upgrade file onto the USB drive)

Upgrade Procedure - Internet Upgrade

1. Ensure the unit is currently connected to an active internet connection via the rear panel Network port. This can be verified by navigating to SYSTEM SETUP->NETWORK CONFIGURATION->TEST NETWORK CONNECTION on the setup menu.
2. Once connection has been confirmed, press the MENU button to bring up the Main Menu, then navigate to SYSTEM SETUP->SOFTWARE INFORMATION->CHECK FOR SOFTWARE UPDATE. Press the ENTER key to check for new software.
3. The display will indicate "VERSION IS **NN.N**, ENTER TO UPDATE" where NN.N is the currently available version.
4. To update, press ENTER to proceed. The unit will power off automatically during the download and upgrade process.

Upgrade Procedure - Front USB Upgrade

The upgrade procedure will vary slightly depending on the currently installed version of software on the RAP-1580.

Units prior to V1.71

RAP-1580 units running software versions earlier than V1.71 must first be updated to version V1.60 as an interim update, followed by a second update to the latest available software.

1. Download the latest software update files from Rotel. Also download the V1.60 interim version from Rotel [here](#). Unzip both the download files on the computer.
2. Browse to the location on the computer where the USB upgrade file was unzipped.
3. Copy the files from the computer onto a USB flash drive. There should be two files, named "rap1580.sb" and "rap1580hdr.sb". The files must be copied to the main (or "root") folder of the drive, and not into a sub folder in the drive. Note - do not rename the files.
4. With the unit powered on, plug the USB drive into the front USB input of the unit, and then navigate to SYSTEM SETUP->SOFTWARE INFORMATION->CHECK FOR SOFTWARE UPDATE.
5. Press the ENTER key to begin the software update to V1.60. The unit will power off automatically during the download and upgrade process.
6. Leave the USB flash drive inserted and power the unit back on. Navigate to SYSTEM SETUP->SOFTWARE INFORMATION to verify that the main software on the unit has been updated to V1.60.
7. Select CHECK FOR SOFTWARE UPDATE to begin the second update process to the current version. The unit will power off automatically during the download and upgrade process once it has completed.
8. Remove the USB flash drive, power the unit on and return to the Software Information menu to verify the unit has now been updated to the current version.

NOTE: With either upgrade method, it is **HIGHLY** recommended to perform a "Factory Default" via the SYSTEM SETUP menu after upgrading.

Units running V1.71 or later

1. Download the latest software update files from Rotel. Unzip the download file on the computer.
2. Browse to the location on the computer where the USB upgrade file was unzipped.
3. Copy the file named "rap1580hdr.sb" from the computer onto a USB flash drive. The file must be copied to the main (or "root") folder of the drive, and not into a sub folder in the drive. Note - do not rename the file.
4. With the unit powered on, plug the USB drive into the front USB input of the unit, and then navigate to SYSTEM SETUP->SOFTWARE INFORMATION->CHECK FOR SOFTWARE UPDATE to begin the update process. The unit will power off automatically during the download and upgrade process once it has completed.
5. Remove the USB flash drive, power the unit on and return to the Software Information menu to verify the unit has now been updated to the current version.

NOTE: *With either upgrade method, it is HIGHLY recommended to perform a "Factory Default" via the SYSTEM SETUP menu after upgrading.*