Upgrade Receiver Firmware



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Version: 200910 ID: DAA23

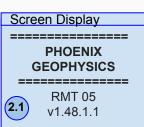
Before beginning

Make sure the battery that the receiver is using is **fully charged** and the cables are properly connected. Run a quick recording to note the current receiver OS version and to make sure that the receiver is working as expected before upgrade.

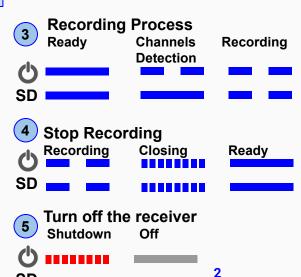
- 1. Insert the SD Card
- 2. Turn on the **receiver**2.1. Review the OS version
- 3. Quick recording data test (2 minutes)
- **4.** Stop the recording
- **5.** Turn off the receiver

*This will help to keep a record of the current OS version that the receiver has prior to upgrade









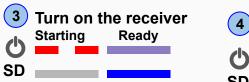
Upgrading the Receiver Firmware

- Download "oslmage" and "upgrade" files from http://empower.phoenix-geophysics.com/releases/LATEST/Receiver%2

 OFirmware/
 - Chrome/ Edge / IE, save the file name as "upgrade" *Don't save file name with any extension (.tar)
 - Using Firefox, the file will keep the filename as "upgrade"
- **2.** Put both files on a 32GB or smaller SD card (must be FAT32 formatted)
- **3.** Put the SD card in receiver and power on
 - Wait for power button to be violet, and SD card button turn blue
- **4.** Briefly push and release the **Power button** to start upgrading
 - Both LEDs will blink violet, indicating upgrade is in progress
- **5.** Wait until both LEDs are solid violet (~15 minutes)
- **6.** Push and hold power button for >5 seconds to power off the receiver

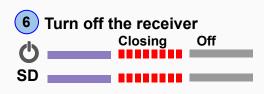


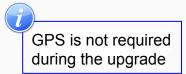








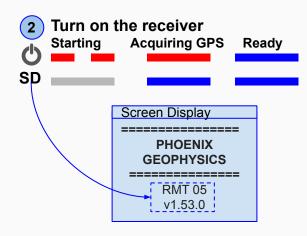




After Upgrade

- The receiver will create an upgrade.log file and a receiver_backup.serial_number file in the upgrade SD card if necessary.
 - * **Do Not Delete** any of these files created by the receiver until the upgrade process is verified to be complete
- Turn on the receiver and verify that the upgrade process was completed and review the OS version





Troubleshooting

Problem:

 SD card not detected in receiver due to format/SD hardware issues. SD led will be blinking RED and screen will display NO SD card error message

Solution:

- Make sure the SD card is of the proper recommended type
- For more information see Troubleshooting manual

Problem:

When the upgrade files oslmage and upgrade are not detected or doesn't have the proper format then receiver will ignore those files

Solution:

 Make sure that the files oslmage and upgrade are downloaded and copied to the SD card properly



REC ERRORS

SD CARD IS DAMAGED CORRUPTED OR THE WRONG FORMAT

2 Warning

Starting

Warning

SD ____



Troubleshooting

Problem:

3. Both LEDs blinking fast in purple color. This could indicates that the upgrade file is not proper or the receiver is not supported by this upgrade file

Solution:

- Turn off the receiver
- Review the upgrade.log file in the SD card (if necessary download and copy the files to the SD card again)

Problem:

Power LED is blinking fast RED after receiver was powered on

Solution:

- Check the upgrade card for file with similar format receiver_backup.serial_number. For example, if the receiver serial number 10111, the file name will be receiver_backup.10111. If the file is available, then perform the OS upgrade procedure again, using the same osUpgrade card
- If no files were present in SD card contact Phoenix support.

Both button blinking purple color Shutdown



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SD

Power LED blinking fast Red
Shutdown





Technical Support Contact



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