Merit LILIN Technical Support Document

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Subject: How to recover an NVR L, NVR1400, or NVR2400 series firmware

Description: This document describes how to recover an NVR L, NVR1400, or NVR2400 series if firmware if the update process fails.

Step 1: Power off the NVR. Prepare a USB flash drive with FAT32 file system with at least 50MB free space.

Step 2: Unzip the firmware rescue_g.zip or rescue_m.zip to root directory of the USB flash drive. It will create a folder “rescue_g” or “rescue_m” under root directory of the USB flash drive. The rescuer firmware folder shall contains at least six (6) files, firmware.ver, uldr.bin, u-boot.bin, zImage, ramdisk.gz, and appfs.jffs2.

Note:
rescue_g.zip: NVR400L, NVR1400, NVR2400
rescue_m.zip: NVR100L, NVR200L

Step 3:
a. Plug the USB with the unzipped files to the back of the NVR.

b. Power up the NVR.

c. If the rescue firmware is found, the NVR will show “Found new firmware!” on the HDMI monitor. If you do not want to update firmware, you can remove the USB flash drive within 30 seconds. If the firmware cannot be detected, please try to use another USB flash drive. Some USB flash drivers might not be recognized.

Found new firmware!

d. Rescue firmware starts to update after the “Firmware updating...” image is displayed. Please do not power off your NVR while updating.

e. After the firmware has been updated, the NVR will reboot automatically. The overall firmware update time is around three minutes, from power on to GUI displayed.

Note: After the firmware has updated, the rescue files are removed from the USB disk. If you need to perform the rescue procedure, please unzip the files again to the root directory of the USB disk.