

All systems

- do the fix as soon as possible
- at least wipe all storage media and disconnect the accu and the cmos battery once to prevent further dying now
- advices for it professionals provided as best effort
- no warranties and liabilities

Winbios system (parts of the process are managed by windows and typically are handled in the eipartition of the hddisk)

- read the whole process first and prepare everything properly
- check the power cable and especially the plugs for loose connections
- open the case
- plugin the power cable
- disconnect the accu and the cmos battery
- boot from a linux usb stick
- `blkdiscard -fsv /dev/sda (/dev/mmcblk0)`
- disconnect the power cable

Classical system with flasher

- read the whole process first and prepare everything properly
- boot from a linux usb stick
- `blkdiscard -fsv /dev/sda (/dev/mmcblk0)`
- download 8 roms/ update exe
- in case extract the rom from the exe file
- in case create 8 dummy copies with alternative names
- create a fat32 usb stick
- copy the roms onto the stick
- check the power cable and especially the plugs for loose connections
- open the case
- plugin the power cable
- disconnect the lion accu and the cmos battery
- boot and press F2 or F12 to enter the flash
- choose the dummy version of the rom the machine likes most
- flash it
- disconnect the power cable

Classical system without flasher and with legacy boot

- read the whole process first and prepare everything properly
- boot from a linux usb stick
- `blkdiscard -fsv /dev/sda (/dev/mmcblk0)`
- download 8 update exe
- in case create 8 dummy copies with alternative names
- download freedos usb
- in case enlarge the usb image and update the image partitions by fdisk or parted
- create the freedos usb stick e.g by dd

- copy the update exes onto the stick
- check the power cable and especially the plugs for loose connections
- open the case
- plugin the power cable
- disconnect the lion accu and the cmos battery
- boot freedos from stick
- choose the dummy version of the update exe the machine likes most
- flash it
- disconnect the power cable

Classical system without flasher and without legacy boot

- basically as above but with the following modifications
 - version 1
 - prepare a freedos usb stick that boots from efi e.g using grub
 - version 2
 - prepare a windows pe stick that boots from efi