

# MALA Controller upgrade

This instruction describes how to upgrade your MALA Controller.

This applies to the following controllers

(GX, EL HDR, EL PRO, EL PRO WR)

**Warning:** Make sure the batteries are fully charged before starting the software upgrade and **DO NOT** turn off the controller while the upgrade is in progress.

## 1 Download software

Download the latest software for your controller from our website:

<https://www.guidelinegeo.com/support/resource-center/>

The software is distributed as a .zip file containing both the software and this instruction.

## 2 Prepare the thumb drive

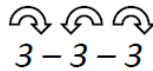
Unzip the file and copy the **ram10img.gz** to the root of your thumb drive.

**Note:** If you experience any problems, make sure that the drive is formatted as FAT32.

## 3 Insert thumb drive in controller

Insert the thumb drive into the MALA Controller's USB port.

1. Enter the **System Menu** by selecting **Shut Down** from the **Start Screen**.
2. Turn the knob 3 clicks clockwise (jumping between the **Yes** and **No**).
3. Turn the knob 3 clicks counter clockwise.
4. Turn the knob 3 clicks clockwise.



## 3 Install upgrade

Select Software Upgrade option from the **System Menu** screen.

**Note:** If a confirmation request is displayed, accept the request by selecting **YES**.

The upgrade can take several minutes to install and the MALA Controller will re-boot after installation.

**Warning:** Make sure the batteries are fully charged before starting the software upgrade and **DO NOT** turn off the monitor while the upgrade is in progress.

## 4 Restore factory settings (Optional)

For the updated wheels and trigger intervals to become available, you will need to restore factory settings. This is done via the **Restore Factory Settings** in the **System Menu**.

**Note:** This will remove/change any customer created wheels/calibrations.