

## **Trolmaster Firmware updates HCS-2, NFS-2**

TrolMaster provides firmware updates for their products. Firmware is the program running inside of the controller or module. Updating the firmware provides updated features as well as to fix bugs in the programming. For best performance, when installing the controller, you should ALWAYS verify the current firmware installed in your controller is the most recent version. See below on how to check firmware version.

There are two different firmware types, the MAIN controller firmware, and the DEVICE module firmware. The following discusses how to update the Touchscreen type of TrolMaster main controllers.

**Requirements:** Requirements: If your main controller is connected to the internet, you can get the firmware update online through our server. If the unit has not internet connectivity, you will need a USB thumbdrive 32 GB or smaller capacity.

**TO CHECK CURRENT FIRMWARE VERSION:** From the main screen on the controller, press the Settings icon in the upper right corner. Select System Reset – Firmware Update. The current firmware version will be displayed.

If you have determined that you need to update the firmware, you may first want to save / backup all of the current settings within the controller. Follow the process below to save your settings.

### ***TO SAVE ALL OF THE CURRENT SETTINGS ON THE USB DRIVE:***

**\*Note:** Updating the firmware may remove all current settings. You can first save all of the settings on the controller by using the Import / Export function. If you do not want to save settings, skip these steps.

- 1) To save all the settings, select the Settings icon in the upper right corner.
- 2) Then select Import / Export.
- 3) Now select Export all Settings.
- 4) The Export file location will be auto selected. You will have to select a name for the file in the Export File Name window.
- 5) Once you select a file name, press Export to save the settings to the USB drive.
- 6) When the Export is complete, you can now complete the firmware update.

### ***TO UPDATE THE FIRMWARE ONLINE:***

- 1) From the main screen on the controller, press the Settings icon in the upper right corner.
  - 2) Select System Reset – Firmware Update.
  - 3) Select to Update from Cloud
  - 4) When complete the unit will restart.
- \*Note:** Some firmware updates require a Factory Reset be completed after the firmware is updated.

***TO GET THE NEWEST FIRMWARE UPDATE FILE:***

- 1) Go to <https://www.trolmaster.com>
  - 2) Select Support – Firmware Update
  - 3) Scroll down the firmware list until you find the controller you are trying to update.
  - 4) Click on the Arrow on the right to start to download the file to your computer.
  - 5) Depending on your browser, the file should be saved into your download folder.
  - 6) Open the download folder and locate the file you are saving. For example, for the Hydro-x controller, the filename may read update\_pro Make sure the filename does not have a number in parentheses (1), (2) etc after the filename. If so, delete the (1), (2) etc.
  - 7) Copy the file onto the USB drive using either copy-paste or drag and drop the file on the USB drive.
  - 8) Once the file is on the USB drive, you can now insert the card into USB port on the bottom – left of the controller.
  - 9) On the controller press Enter, then select System – System reset – Firmware Update.
  - 10) Press Enter to start the update. When complete, the controller will restart.
- \*Note:** Some firmware updates require a Factory Reset be completed after the firmware is updated.

***TO RESTORE ALL OF THE CURRENT SETTINGS TO THE CONTROLLER:***

**\*Note:** After completing the firmware update (and a factory reset if required) you can now restore / IMPORT all of the save settings back into the controller.

- 1) To restore all the settings, select the Settings icon in the upper right corner.
- 2) Then select Import / Export.
- 3) Now select Import all Settings.
- 4) Open correct file in the Import Settings File window.
- 5) Select Import.
- 6) When the import is complete the settings will be restored to the controller.