MCS-NitroMag
LINUX OPERATING SYSTEM UPDATE AND RESTORE FILES

BEFORE PERFORMING ANY OPERATING SYSTEM UPDATE, BE SURE TO BACK UP ALL YOUR FILES.

STEP 1A - Backup MCS-NitroMag-15.4 Prior to revision LINUX 1.2.1

Saving Unit Config

1. Click on the MCS-CONNECT icon on your desktop.
2. Click on the controller you are going to update.
3. Login with the authorized password and 'RECEIVE CFG' file.
4. Save to a USB DRIVE (Flash Drive).

Saving Unit Graphics

1. Click on the 'MCS' TOOLS icon on the desktop.
2. In the 'BOOKMARKS' section, locate the 'GRAPHICS' folder and click on it.
3. Copy the graphic files and save them to the USB drive (flash drive).

Saving Autostart

1. Click on the MCS-CONNECT icon on your desktop.
2. In the main window of **MCS-Connect**, click on "**Offline**" and select "Edit Autostart File."
3. Copy all the field data on a **Notepad** or **Text Document** on your PC or Laptop.(This contains the Magnum Configuration IP address, along with the connection type settings and the startup screen mode configuration).

STEP 1B - Backup MCS-NitroMag-15.4 revision LINUX 1.2.1 and up

1. Insert the USB Flash Drive into the USB port located at the back of the **MCS-NitroMag-15.4**

2. On the MCS-NitroMag-15.4 desktop, double-click the **MCS TOOLS** folder.

3. After Opening the MCS TOOLS folder, on the upper right side, locate **Backup and Restore** and click on it.

4. Click on Choose Backup Folder to select USB drive (Flash Drive) to save file.

5. Select the files you wish to back up, then click **Run Backup** to begin the process.
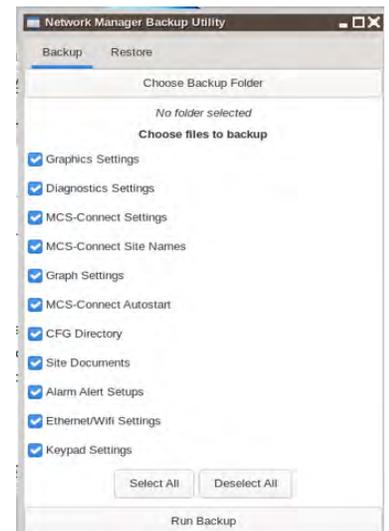
STEP TWO:

1. Download BalenaEtcher from MCSControls.com and install it on your desktop or laptop.
2. Download NitroMag Operating System from MCSControls.com and save it to your desktop or laptop.
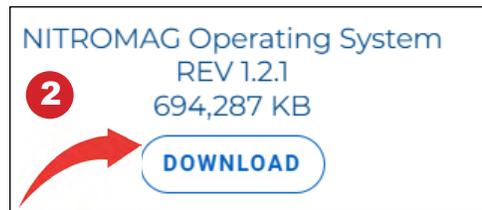
Attention: A USB drive with a minimum capacity of 8GB is required. (We recommend selecting a reputable brand, as some drives may not be fully compatible or may not perform optimally).

STEP THREE :

Insert the new USB flash drive into an available USB port on your laptop or desktop. Then, launch BalenaEtcher.
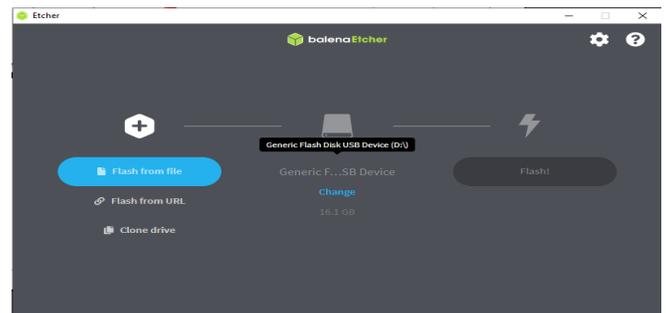
STEP FOUR:

In BalenaEtcher, Click on "Flash from file" and select the Nitro-Mag_X.X.X_image_Installer.wic.gz file that you previously saved on your desktop or laptop.
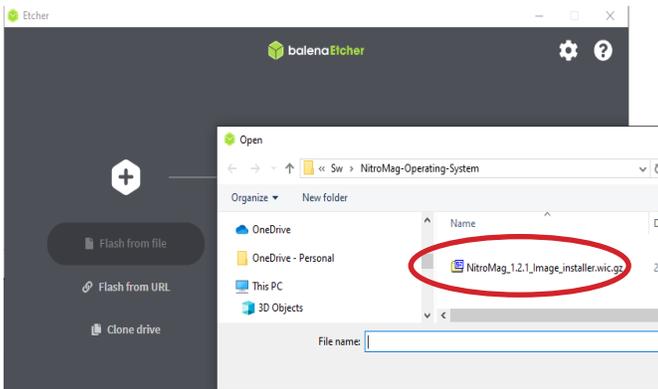
Proceed with the flashing process to complete the setup.

 NOTE: You must have ADMIN RIGHTS to save this file to the USB drive. Click 'Yes" to proceed.

STEP FIVE:

Installation complete. Remove Flash drive and reboot the system.
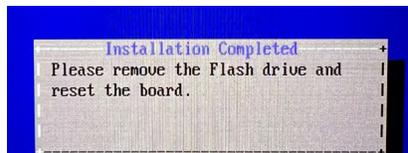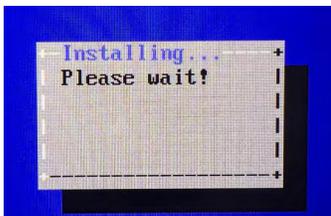
STEP SIX:

Restoration Procedure MCS-NitroMag-15.4

After the operating system is updated on the MCS-NitroMag-15.4, ensure that the latest version of **MCS-Connect** is installed. https://mcscontrols.com/software.html

Once the latest version of **MCS-Connect** is installed, proceed with restoring the unit files.

If the unit's operating system revision was earlier than 1.2.1 and has been updated to the latest version, you may need to manually relocate the files to their designated location. Otherwise, follow the STEP-SEVEN to restore the files.

STEP-SEVEN:

Once all files have been saved to the thumb drive using the **Backup and Restore** prompt, the operating system has been updated, and the latest version of MCS-Connect has been installed, insert the thumb drive containing the saved files.

1. Navigate to the **MCS TOOLS** folder and open it.
2. In the upper right corner, locate and click on **Backup and Restore**
3. Once the **Backup and Restore** window opens, select **Restore** from the options at the top and select Backup Files.

4. Click on **Choose Backup File** and select the folder where the files

5. After selecting the files, click **Restore from Backup**.

6. Verify that all files have been restored to their correct locations.

7. Click on 'REBOOT' in the MCS-TOOLS folder.
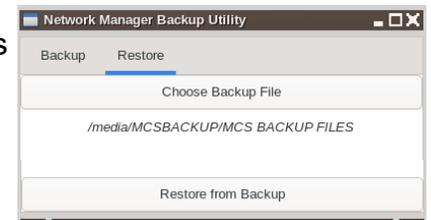
Revision History

Date	Author	Description
01/21/2025	DEW	Setup MCS-NitroMag operating system
03/07/2025	JJN	Revised system update with 1.2.1 software
03-10-2025	DEW	Revise to 3 pages

Any questions regarding this release, contact: support@mcscontrols.com

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