

M2GO™ & M1™ Operating System Installation

Download
USB Flash preparation
Installation

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1. Introduction

1.1 Purpose of the Document

This document describes:

- How to download the Operating System and check the file integrity
- How to prepare the Operating System USB drive
- How to adjust the BIOS settings (M1 only)
- How to install the OS on a Martin M2GO or M1 console
- How to calibrate the integrated display in an M2GO console

2. Preparation

2.1 Backup all Data!

Installing the OS will remove all user data from the console. Save all files to a USB stick before proceeding. Confirming the integrity of the backup can be done by loading it into another console or the M-PC software.

2.2 Download the OS

The OS files are large drive images over 2GB in size.

Download the latest OS version as an ISO file from the controller support website at: <http://www.martin.com/controllersupport>

For faster and reliable downloads please use the download manager provided on the website (Windows only): [FDM](#)

Start the download manager and it will place a little drop target onto the desktop. Simply drag and drop the link from the support page into the target to start the download.



Next to the download link is a small MD5 checksum file that ensures the file is not corrupted. Download the MD5 file into the same folder as the ISO file. FDM usually places all files into the same download folder on the C: drive.

Open the [MD5Checker tool](#) and drag the .MD5 file into it. The tool will check the file integrity automatically and indicate “passed” if the file is 100% correct.



This check should ALWAYS be done before using the ISO file as a bad ISO can leave the controller unusable until a correct version is downloaded and installed.

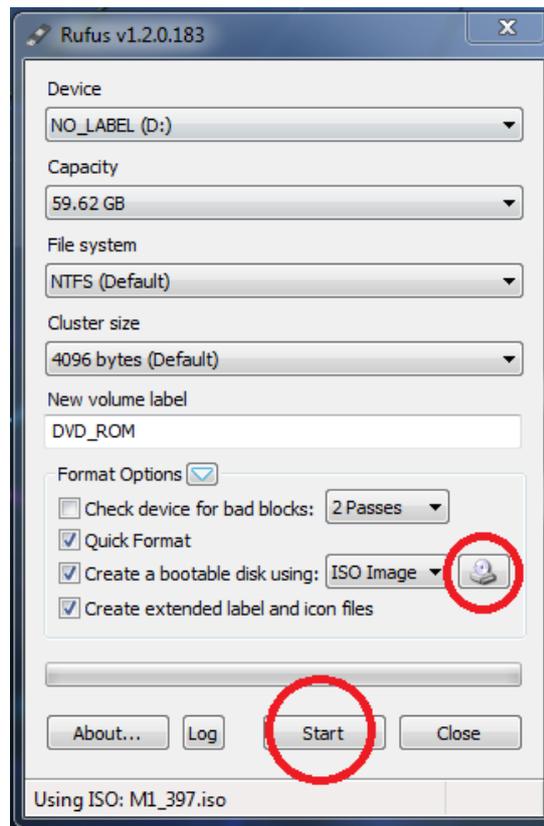
2.3 Create a bootable USB stick

ISO files are images. It is an exact copy of the contents of a CD including all boot settings required. We recommend installing the OS from a bootable USB stick as this is much faster than installing from a CD, and you don't need to use an external CD-ROM drive.

MS WINDOWS

To ensure a reliable reproduction of the ISO files for use with our controllers we recommend the use of the *RUFUS* freeware tool. It can be found here: [USB Flash Tool](#)

The tool is property of [RUFUS](#) under the GPLv3.



Current Rufus version 1.20.183

- Insert your USB 2.0 Flash Drive (min 4GB). See compatible models on our website at: <http://www.martin.com/service/showpage.asp?id=7271>
- Select the ISO file using the button with the CD icon
- Click "Start"
- Click "OK" when the warning popup appears. **Your USB drive will be formatted!**

MAC USERS

Unfortunately MAC OS does not offer a tool to create such bootable USB drives that are Windows compatible. We hope to offer a solution in the future.

3. Getting started

Note: Please remember to make a backup of your show files before installation!

The ISO file (bootable USB drive) includes 2 installations:

- the OS (Customized Windows 7 Embedded)
- Current release software

Disconnect all Network and USB connections from the console!

WARNING! Please be patient. Some of these steps may result in a black screen for several minutes as the Operating System is deployed internally. Do not shut down the console until the whole procedure is completed. Interrupting the process means to start over from the beginning.

3.1 Change the desk to boot from USB drive (M1 only)

Connect an external USB keyboard and connect your USB drive to a USB port on the BACK of your M1 console

Power on and press DEL repeatedly on the keyboard until the blue BIOS screen appears.



Arrow Down once to “Advanced BIOS Features” and press ENTER



Go to “Hard Drive Boot Priority” and press ENTER



Arrow Down to the USB Drive (e.g. SanDisk) and use the + key on the keyboard until the USB Drive is on the top of the list.

Press F10 and Confirm with ENTER and the desk will reboot.

3.2 Starting the Installation

On the M1 the USB drive is already in place from the previous chapter, on the M2GO insert the drive now and power on the M2GO in "CPU" mode. An external touch screen has to be attached; alternatively a USB mouse can be used as well.

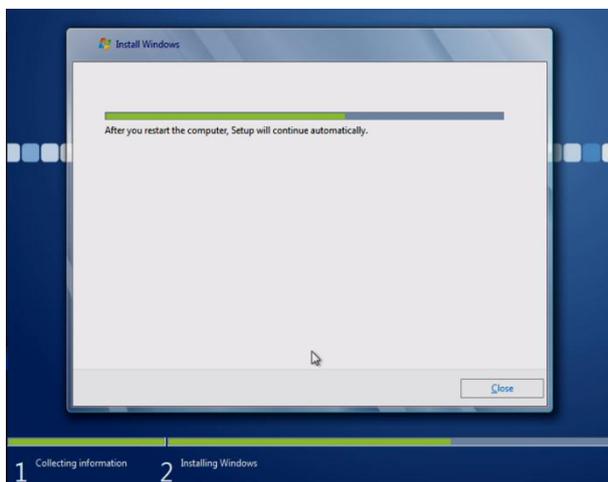
- The desk will now boot from the USB drive and show this screen after a few moments. Select **"Start Install"** to continue.



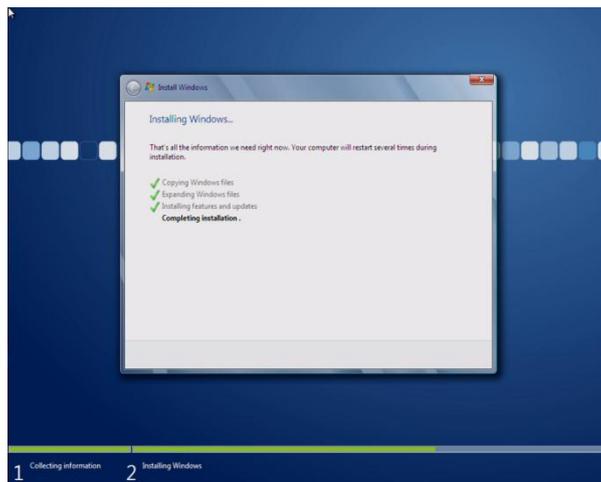
- The system will now copy all the installation files to your console, expand and install them. This can take a few minutes.



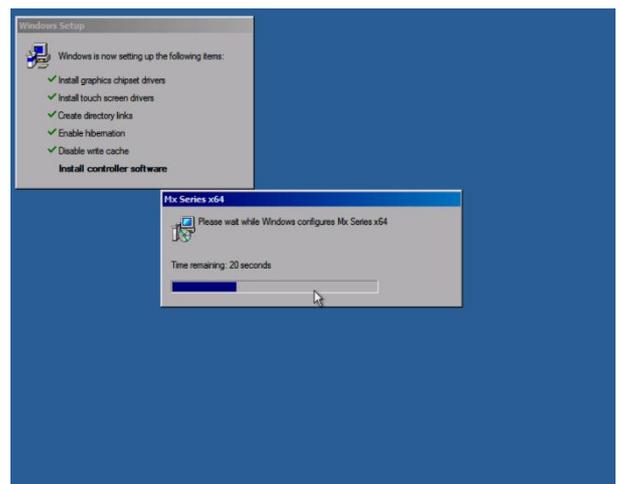
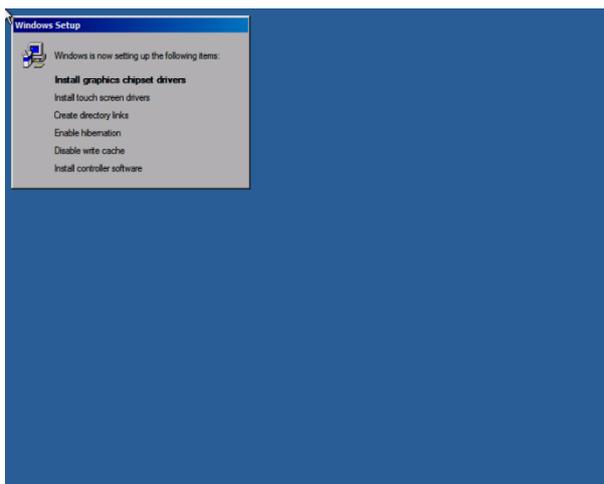
- The Console will now ask to restart. Remove the USB drive and press "Reboot" to continue. If on an M2GO, the screen stays black after pressing this button, power cycle the console and it will continue further with the installation.



- After rebooting, the installation of the OS will continue.



- Your console may reboot again automatically and finalize the installation and setup of the console's settings and finally install the release software automatically.



- As last step, the system will ask to calibrate the integrated (M1) or optionally attached ELO touchscreen (M2GO)
- The console is now ready to use! Load the training file and verify its operation.



4. Tools

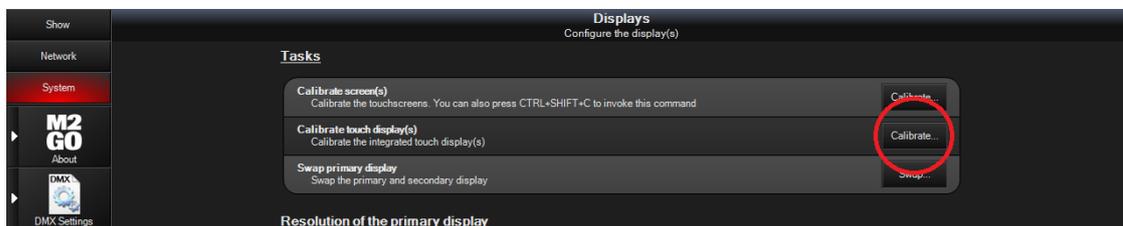
4.1 Calibrating the M1 and external ELO touch display

With an external keyboard attached, use CTRL+SHIFT+C to start the calibration tool. Alternatively use the trackball or mouse to enter the **Menu – System – Displays** and select the **Screen** tab and press “Calibrate Screens”

4.2 Calibrating the integrated M2GO touch display

If needed, the internal display of the M2GO can be calibrated using a tool in the MX software. Go to **Menu – System – Displays** and select the **Screen** tab.

- Press the “Calibrate touch displays” button to continue.



- Confirm the calibration by pressing “Yes” in the popup box that appears.



- Now look at the integrated display and slowly swipe along both arrows with your index finger. Then touch inside the white center box. Calibration is now executed and you can continue using the console.

