

# **MX-OS OPERATIONS**

## **MX-2424 MX-OS Backup & Update Procedures**

MX-OS is the system software that the MX-2424 runs. It is stored in Flash ROM inside the MX-2424 for ease of update and speed of power up. This provides the additional advantage of a flexible system so features can easily be added to your MX-2424 as they are developed.

From time to time MX-OS updates will become available on the TASCAM web site (<http://www.tascam.com>) as new features are added. Those updates can be downloaded to a Mac or PC then transferred to the MX-2424 via Ethernet. The steps below detail the process of backing up and updating MX-OS.

### **Storing MX-OS to a TL Media Card**

The MX-2424 ships with a blank TL Media card. When you unpack and install your MX-2424 the currently installed version of MX-OS may be backed up to the card. This will enable the MX-2424 to be started and MX-OS to be reloaded from the TL-Media card in the unlikely event that the Flash ROM in the MX-2424 gets zapped as could happen during a power surge or brown-out. (NOTE: It is recommended that the MX-2424's power be connected to an Un-interruptable Power Supply {UPS} or a quality surge protector.)

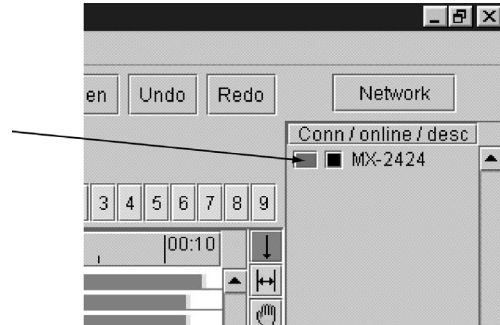
It is not necessary to connect the MX-2424 to a computer for the following procedure:

1. Press **SETUP [44]** and scroll to Menu 995. Press **STORE [20]** and confirm by pressing **STORE/YES [20]**.
2. You will be prompted to Insert Blank TL Media. (NOTE: Any data on the TL Media card will be lost during this process.) Insert a TL Media card and press **STORE/YES [20]**. After briefly displaying Menu 995 again the LCD will show *Formatting TLMedia*. This takes approximately 2 minutes, do not press any keys during this process. (NOTE: The card goes in with the notch (chamfer) down and the gold contact facing right.)
3. The LCD will then display the progress of writing data blocks to the TL Media card. This will take about 5 minutes.
4. When finished, the LCD will display *Software Saved*. Press CLEAR twice and remove the TL Media card.

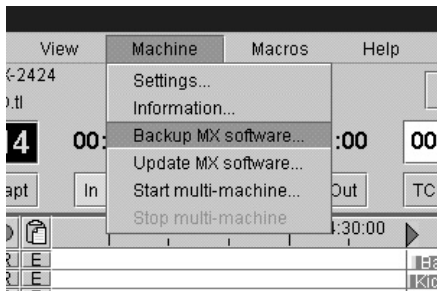
## **Backing Up MX-OS to a Computer**

It may be desirable to save the version of MX-OS that is currently installed in the MX-2424 to a computer to ensure that version is safely archived if it is ever needed again. With the MX-2424 connected to a Mac or PC via 100Mb Ethernet the steps below will save the version of MX-OS in the MX-2424 to the computer.

1. Launch the ViewNet application.
2. From the ViewNet Network Screen highlight the MX-2424 that has the version of MX-OS to be saved or make it active in the Edit Screen by clicking on its Connection button as shown below. The button will turn blue and the MX-2424 will appear in the Edit Screen.



3. Select Backup MX Software from the Machine Menu.

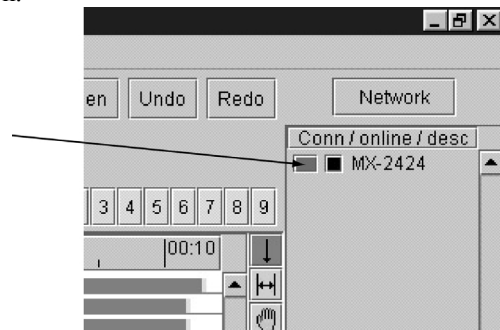


4. Determine a location on the computer to save the MX-OS file from the MX-2424. It may be convenient to create a folder to contain new versions of MX-OS as they are released. Then inside that folder each version could have its own folder to contain the MX-OS file and any associated documentation. (NOTE: This manual assumes the user has a working knowledge of the Mac OS and/or Windows.)
5. Type in a file name for the MX-OS file. Using the version number of the MX-OS file is a good way to keep track of the MX-OS versions stored on your computer. The version of MX-OS in the MX-2424 can be seen in Menu 990.
6. Click SAVE – in about 20 seconds a confirmation will appear that the MX-OS backup was successful.

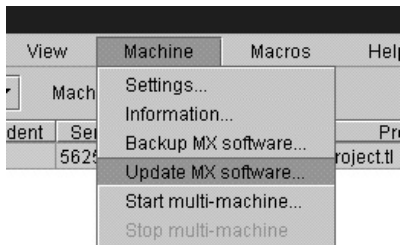
## Updating MX-OS on an MX-2424

Whenever a new version of MX-OS becomes available it will be posted to the TASCAM Web site for download (<http://www.tascam.com>). Archived files for both Mac and PC will be posted along with documentation in PDF format (as needed). The new version of MX-OS will be written to the TL-Media card, which is then used to update the flash ROM in the MX-2424. The steps below detail the process of updating the version of MX-OS in an MX-2424:

1. Download the latest version of MX-OS from the TASCAM web site. Place the file into the desired folder that will contain the MX-OS file and its documentation. Extract the MX-OS file and documentation files into that folder.
2. Launch the ViewNet GUI application.
3. Insert the TL Media card that will be used to store the new MX-OS and update the MX-2424. (NOTE: Any data on the TL Media card will be lost during this process.)
4. From the ViewNet Network Screen highlight the MX-2424 that has the TL Media card inserted or make it active in the Edit Screen by clicking on its Connection button as shown below. The button will turn blue and the MX-2424 will appear in the Edit Screen.



5. Select Update MX Software from the Machine Menu.



6. Locate the MX-OS file that was created by the self-extracting archive and Open it.
7. The TL Media card will be formatted, this takes about 2 minutes. (NOTE: This may take longer on a Macintosh. When using a Mac, all applications that are using the Ethernet port must be shut down.) Then the new version of MX-OS will be written to the TL Media card. The LCD will display the progress of writing data blocks to the TL Media card. When finished, *Update Software Completed* will be displayed in the LCD and instructions will be displayed in ViewNet.
8. Leave the TL Media card in its slot and cycle the power on the MX-2424. The Flash ROM in the MX-2424 will be updated with the MX-OS from the TL Media card.
9. When the update is completed, cycle the power on the MX-2424 again to complete the update.
10. If the RC-2424 is connected then its software will be automatically updated.