

Configuring ESM's for NTFS format with Intellex® 3.X Units

Bulletin ID – TB_20040316

2004-Mar-16

Purpose: This bulletin provides information on converting the hard drives in the ESM320, ESM480, and ESM640 for NTFS format in order to maintain compatibility when connecting to Intellex 3.X family units.

Issue: The disk drives within the ESM320, 480, and 640 units are formatted as FAT32 when they are manufactured. This is to retain compatibility with the Intellex 2.x family that use the Windows 98SE operating system. This format is not completely compatible with the Windows 2000 Pro operating system used in the Intellex 3.x family and can result in errors or drives dropping out of the database. When these ESM units are connected to an Intellex 3.x or later, the drives **MUST** be formatted as NTFS or converted to the NTFS format. The complete procedure for converting the drives to NTFS is included in the Quick Reference and Troubleshooting Guide that is shipped with each Intellex. This procedure is summarized below for your convenience. This process can be performed on a drive with data without losing any data. Once a drive is converted to NTFS it cannot be converted back to FAT32 without losing all of the data.

IMPORTANT! There may not be enough empty space to perform this conversion if the ESM has been used to record video data. Perform the conversion **BEFORE** the ESM is used for data recording. If the FAT32 drives were used to record from an Intellex 3.x or later, there may be file system corruption that will make conversion impossible. **PERFORM THE CONVERSION BEFORE RECORDING TO THE ESM!**

INSTALLING THE ESM AND CONVERTING TO NTFS

1. Plug the ESM into an open FireWire port and turn on the power to the ESM.
2. On the Intellex unit you will see several windows appear, each representing a new drive in the ESM. Close each of these windows.
3. Double-click on **My Computer**, the four new drives will appear, each labeled "Local Disk" with the drive letter in parentheses.
4. For each new drive right-click on the icon for the drive and select **Properties**.
5. In the **Label** box for each drive, enter a new label to identify the drive, and click **OK** (e.g., ESM1a, ESM1b, numbers to denote the ESM module and a letter to denote each drive in the ESM). This helps to identify each drive's physical location when connecting multiple ESMs to an Intellex unit.
6. Close the **My Computer** window.
7. Click **Start**, select **Run**, and type "cmd" in the **Open** field and click **OK**.

8. At the **C:** prompt type the command “convert [*Drive Letter*]: /fs:ntfs”.
9. The system may prompt you for the volume label of the drive you are converting; if so, type in the label that you assigned to the drive in step 5.
10. Information will display on the screen while the drive is being converted. This process will take a few minutes (the larger the drives in the ESM, the more time the conversion takes). When you see the message “Conversion Complete”, the process is finished.

NOTE: This conversion task must be executed on every drive in the ESM.

CONTINUOUS IMPROVEMENT STATEMENT

As with all processes defined by the American Dynamics Technical Services Group, this document is intended to be a work in progress. Further refinements and suggestions are welcome and should be sent in writing to the owner/author of this document as listed below.

Author/Owner

Al Dervisevic

adtechservices@tycoint.com

Initial publication 2004-Mar-16

CONTACT INFORMATION

If you have any questions regarding this bulletin, please contact American Dynamics Technical Services at:

Toll Free 800-507-6268, Option 2
International: 561-912-6259, Option 2
Fax: 845-624-7658
Email adtechservices@tycoint.com.

Information furnished by American Dynamics is believed to be accurate and reliable. However, no responsibility is assumed by American Dynamics for its use, nor any infringements of other rights of third parties which may result from its use. No license is granted by implications or otherwise under any patent rights of American Dynamics.