EVS	XT[2] Tech Note		Instant Tapeless Technology	
	Multicam 10 installation guide		Multicam 10.03 installation guide external.doc	
	Authors :	CLA, JST, MDU	Version : 1.01	Date : 12-Jul-10

1 DIFFUSION LIST

Name	Company	Information	Action	Validation
_Support	EVS	Х	Х	
_Products	EVS	Х		
_External		Х	Х	

2 DOCUMENT HISTORY

Date	Authors	Version	Description
31-Mar-08	CLA	1.00.00	Creation
7-April-08	JST	1.00.01	Revision and editing
7-April-08	JST	1.00.02	Revision and editing
9-April-08	CLA	1.00.03	Release version
23-Jun-08	MDU	1.00.04	Update for Multicam 09.00.63
29-Jul-08	MDU	1.00.05	Update for Multicam 09.00.66
4-Jun-09	MDU	1.01	Update for Multicam 10.01

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4 Introduction

Before proceeding to the Multicam 10 installation-upgrade procedure, we do suggest you to carefully read this guide and the corresponding release note. Please keep in mind that Multicam 10 only works on XT[2] server. This new software release cannot be used on previous EVS hardware such as the XT platform and HCT-4 architectures.

Multicam 10 can only be installed on MTPC A2/A3 or A2/A4, via USB.

The installation files are delivered in a zip archive comprised of two folders (image & install):

- Extract this zip file to a temporary folder on your windows PC
- Insert a blank USB key into the PC and check the letter drive assigned to the USB key.
- In the temporary folder, double-click on "MakeUSB.bat" and follow the instructions
- Indicate the drive letter assigned to the USB key
- The key is formatted and installation files are copied to the USB key

5 Installation on MTPC A2/A3 or A2/A4 (USB-only model)

Insert the USB key into the MTPC front panel of the XT[2] and reboot the system to proceed to the installation menu:





6 Installation Menu

EVS Multicam 09.00.4: Installation Menu
Main Menu
1. EVS Multicam 09.00. (* Upgrade 2. Format C: drive and install Multicam 09.00.45 3. New System Partition (1GB FAT 16) 4. Exit to Dos
Enter a choice: 1
FURZIOUNI -> Nauigato - FENTERI -> Select item - FESC/BOCKSPOCEI -> Provious Monu-

From the install menu, you have four options: Upgrade, Install, Create a new system partition or exit to the DOS prompt. The install option means a full format of the system drive partition. To the contrary, an upgrade means that only the core files of the Multicam 10 application will be copied to the system drive partition, leaving existing Multicam files and files on the C: drive intact.

Choice 1: EVS Multicam 10 Upgrade

The installer first detects if a Multicam version is currently present and which version is currently installed. If you upgrade from a Multicam 8 or below, the following screen will be displayed:







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Multicam 10 installation guide

This warning states that the Multicam version you wish to install is not compatible with previous versions. If you upgrade from Multicam 8 or a lower version, you MUST clear the video disks before starting Multicam 10 for the first time. The clips and video material recorded in Multicam 8 or lower are not compatible with Multicam 10. Clips created with Multicam 9 are compatible.

After the installation of the application, an automatic update of the MTPC's BIOS will be performed. During this process you will be presented with two options for the VGA resolution to be configured, in this screen you to choose option 1 or option 2.

The system needs to change the BIOS to ensure valid settings for this version of Multicam. As part of the BIOS load, you may select one of two VGA settings: 1. Default settings (640x480) (Legacy settings for VGA and Required for Video Display on Composite Monitor) 2. Enhanced settings (1024x768) (Recommended for SVGA & Multiviewers) Choose which settings you would like to apply:[1,2]?

After the BIOS update, a warning message will appear which reminds you to set a jumper on the MTPC if you use the VGA2TV adapter (i.e. ability to output the VGA as a composite video signal). If you are not using this adapter, this jumper change is not required.



To complete the installation procedure, a screen will prompt you to remove the USB before rebooting the XT[2] server.





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Choice 2: Format C: drive and Install Multicam 10

A full install starts by erasing all the contents of the system drive partition.



You may cancel this operation and return to the installation menu if selected by mistake. Pressing [Y] will proceed to the format of the drive before installing the Multicam 9.



This warning states that the Multicam version you wish to install is not compatible with previous versions. If you upgrade from Multicam 8 or a lower version, you MUST clear the video disks before starting Multicam 10 for the first time. The clips and video material recorded in Multicam 8 or lower are not compatible with Multicam 10. Clips are compatible with Multicam 9.

After the installation of the application, an automatic update of the MTPC's BIOS will be performed. During this process you will be presented with two options for the VGA resolution to be configured, in this screen you to choose option 1 or option 2.





After the BIOS update, a warning message will appear which reminds you to set a jumper on the MTPC if you use the VGA2TV adapter (i.e. ability to output the VGA on the video monitoring). If you are not using this adapter, this jumper change is not required.



To complete the installation procedure, a screen will prompt you to remove the USB and the floppy disk before rebooting the XT[2] server.







Choice 3: New System Partition (1GB FAT 16)

Use this option only if you want to completely format the IDE drive! This option removes every existing partition and re-creates a new empty partition of 1GB in FAT16. As a result, you have to then proceed to choice 2; format the system and eventually install the Multicam application.

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Choice 4: Exit to DOS

You can exit the installation menu to reach the DOS prompt for file management purposes.







7 Exploring the Multicam 10 startup menu

When booting the XT[2] server after a Multicam 10 installation, this start-up menu is displayed each time:

EVS Multicam 09.00.20 Startup Menu
Main Menu
1. Boot Multicam 09.00.45 2. Maintenance 3. Support
Enter a choice: 1
[]] []]PZDDWN1 -> Navigate. [ENTER1 -> Select item. [ESC/BACKSPACE1 -> Previous Memo

If you want to boot the Multicam 10, press option <1>

If you want to change the active Multicam version, edit files in DOS or enter the maintenance mode, press <2> If you want to display contact and support information, press <3>

1. Boot Multicam 10

If this option is selected, the system will proceed past the initial boot menu into the Multicam version that is currently active. The initial boot menu will proceed after 5 seconds if the user does not press a key.





2. Maintenance menu

EVS Multicam 09.00.89 Startup Menu
Maintenance
1. Change active version
2. Dos Prompt
3. Start OS with PC LAN support (no Multicam)
Enter a choice: 1

CHANGE ACTIVE VERSION

From Multicam 9, it is now possible to have multiple pre-installed Multicam versions on the XT[2] server thanks to the new operating system.

From the boot menu, users can now select a maintenance menu where they can easily and quickly swap to another Multicam version. A quick install is done in the background and users can upgrade or downgrade in a minute without using floppy disk and USB key.

When changing the active Multicam version, a series of warning messages might appear. Due to differences of operating system and file management between Multicam 8 and Multicam 10, an automatic BIOS update is performed and clearing the video disks is required whenever a downgrade/upgrade is engaged. Please note that this automatic change of Multicam version is only supported for versions that do not require patches.¹



DOS PROMPT

The DOS prompt will allow the user to exit to a traditional DOS prompt to edit, copy and manage files

START OS WITH PC LAN SUPPORT (NO MULTICAM)

This mode allows booting for purposes of file transfer from the PC LAN, but will block the bootup of the system.

 $^{^{1}}$ XT[2] servers running Multicam 08.03.xx or lower on MTPC A2/A3 or A2/A4 need to be patched due to a new TC management. XT[2] servers running Multicam 08.04.19 or lower equipped with an HCTX board revision A4 need to be patched as well. Those patches are available from your EVS support team. If needed, please contact your regional support office to obtain these patches.







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3. Support & contact information

ASIA & PACIFIC Technical support : support@evs.tv HONG KONG Tech. Line: +852 94 01 23 95 China Tech. Line: +86 139 1028 9860 EUROPE, MIDDLE EAST & AFRICA Technical support : support@evs.tv Tech. Line: +32 495 284 000 Belgium Tech. Line: +33 1 46 99 9000 Tech. Line: +39 334 63 11 493 France Italy
 UK
 Tech.
 Line:
 +32
 495
 284
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 Middle
 East
 Tech.
 Line:
 +32
 495
 284
 000

 Iberica
 Tech.
 Line:
 +32
 495
 284
 000
NORTH AMERICA & LATIN AMERICA Technical support : USAsupport@evs.tv Tech. Line: +1 973 575 7813 USA Press any key to continue . . .





Instant Tapeless Technology

8 ADVANCED PROCEDURES

8.1 Adding multiple versions on the XT[2] server

From Multicam 9, it is now possible to have multiple pre-installed Multicam versions on the XT[2] server thanks to the new operating system.

Adding Multicam versions is possible by two different processes.

When creating the USB key prior the installation procedure

Directly adding files onto the XT[2] server in a specified location These versions have to be added in the **ADDONS** folder

Example: Adding a Multicam 08.04.33 when creating the USB key

Download the version zip from EVS (M080433i.zip)

Proceed to the folder \Install\ADDONS\VERSIONS in the temp folder Create a copy of the folder '08xxyy' and rename it '080433' (This folder automatically contains files and scripts required for future downgrades or upgrades) Go to \Install\ADDONS\VERSIONS\080433\LSMDOS Unzip the M080433i.zip archive² into this folder Create the USB key using the MakeUSB.bat file

Example: Adding a Multicam 08.04.33 directly onto the XT[2] server

Download the version zip from EVS (M080433i.zip) Extract the ZIP to a USB key, and place into the XT[2] Reboot into DOS with USB active mode Proceed to the folder \ADDONS\VERSIONS located on the XT[2]'s C:\ drive Create a copy of the folder '08xxyy' and rename it '080433' (This copy automatically contains files and scripts required for future downgrades or upgrades) Go to \Install\ADDONS\VERSIONS\080433\LSMDOS Unzip the M080433i.zip archive³ into this folder



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² Images of previous Multicam versions are available from your regional support team.





8.2 Location of EVS & AVCFG parameters

Since Multicam 9, the location of all EVS and AVCFG parameters files has changed. The file structure has been completely redesigned. These files can be downloaded separately or can be downloaded as a pre-bundled zip file containing all defaults for installation. If you desire to manage these files manually, the below section will detail this process.

EVS application lines are located in \LSMCE\DATA\EVS AVCFG configuration parameters are located in \LSMCE\DATA\AVCFG

These files are not compatible with those present in Multicam 8. In other words, previous configuration files and application lines used in Multicam 8 can not be used in Multicam 10. Nevertheless, both Multicam 8 and Multicam 10 configuration and parameter files can cohabit on the same XT[2] server. Multicam 8 parameter files are in the root of C: drive and will not interfere with current settings used in Multicam 10 which are inside the LSMCE folder as mentioned above.

When creating the USB installation key, EVS & AVCFG files can be inserted in the ADDONS folder to allow pre-configure files to be dropped by the Multicam 9 installer.

Multicam 8 configuration files can be directly put in \ADDONS (These files will be used after a downgrade to Multicam 8)

Multicam 10 EVS 'file*.dat, file*.dft' and 'line*.txt, line*.tdf' files have to be placed in \ADDONS\LSMCE\DATA\EVS

Multicam 10 AVCFG 'avcfg*.bin , avcfg*.bdf' files have to be placed in $\Delta DDONS LSMCE DATA AVCFG$

