



XT[2] Tech Note



Multicam 9 installation guide

Multicam 9.00.66 installation guide
external.doc

Authors : CLA, JST

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1 DIFFUSION LIST

| Name | Company | Information | Action | Validation |
|-----------|---------|-------------|--------|------------|
| _Support | EVS | X | X | |
| _Products | EVS | X | | |
| _External | | X | X | |

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 |
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4 Introduction

Before proceeding to the Multicam 9 installation-upgrade procedure, we do suggest you to carefully read this guide and the corresponding release note. Please keep in mind that Multicam 9 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.

Two methods are available to install Multicam 9 on XT[2] with MTPC A1/R2:

Using both floppy and USB¹

Using only the USB key

We strongly recommend the latter one to avoid the use of a floppy when possible.

On a XT[2] with MTPC A2/A3 or A2/A4 only one method can be used, using only the USB key.

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 A1/R2 (Floppy & USB model)

On the XT[2] server, you may easily enter into the installation procedure by selecting the 'Upgrade from USB' option from the Maintenance menu

In the EVS menu:

- Press [F9] to proceed to the maintenance menu
- Press [U] to upgrade from USB and follow the instructions
- After the server reboot, you enter into the DOS mode (C:\UTILS)
- Type 'x:' where x is the letter corresponding to the USB drive (normally this will be the D: drive)
- From the prompt, type 'Install' followed by [enter]
- You will be presented with the Multicam 9 installation menu

6 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:

¹ If no EVS Menu or Multicam version is installed on the XT[2], you must use both the floppy and the USB key. In order to create a bootable floppy disk, please insert a blank floppy into the PC, run the file 'MakeFloppy.bat' located in the temporary folder and follow the instructions. Insert both the floppy disk and the USB key into the MTPC front panel of the XT[2] and reboot the system to proceed to the installation menu.



8 Exploring the Multicam 9 startup menu

When booting the XT[2] server after a Multicam 9 installation, this start-up menu is displayed each time:

```
EVS Multicam 09.00.66 Startup Menu

Main Menu
 1. Boot Multicam 09.00.66
 2. Maintenance
 3. Support

Enter a choice: 1

[UP/DOWN] -> Navigate, [ENTER] -> Select item, [ESC/BACKSPACE] -> Previous Menu
```

If you want to boot the Multicam 9, 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 09.00.66

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 09.00.00 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. The Multicam 9 installation package already contains the two previous released versions; namely Multicam 08.04.33 and 08.04.35.

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 9, 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.²

```
EVS Multicam 09.00.00 Startup Menu

Change active version

1. 090045
2. 090044
3. 080433

Enter a choice: 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.

² 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.



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

Belgium   Tech. Line: +32 495 284 000
France    Tech. Line: +33 1 46 99 9000
Italy     Tech. Line: +39 334 63 11 493
UK        Tech. Line: +32 495 284 000
Middle East Tech. Line: +32 495 284 000
Iberica   Tech. Line: +34 630 361 161

NORTH AMERICA & LATIN AMERICA
Technical support : USAsupport@evs.tv

USA Tech. Line: +1 973 575 7813
Press any key to continue . . .
```



9 ADVANCED PROCEDURES

9.1 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. The Multicam 9 installation package already contains the two previous released versions (Multicam 08.04.33 and 08.04.35)

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 archive³ 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



³ Images of previous Multicam versions are available from your regional support team.



9.2 Location of EVS & AVCFG parameters

In 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 9. Nevertheless, both Multicam 8 and Multicam 9 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 9 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 9 EVS 'file*.dat, file*.dft' and 'line*.txt, line*.tdf' files have to be placed in `\ADDONS\LSMCE\DATA\EVS`

Multicam 9 AVCFG 'avcfg*.bin , avcfg*.bdf' files have to be placed in `\ADDONS\LSMCE\DATA\AVCFG`

