

# **Application Note - USB Host Update**

(VS-700) | Version 1.2

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## 1 Setup

### 1.1 What do you need ?

Before using USB memory stick on ViewStream 700 (VS-700), please make sure you have the following parts:

- USB memory stick
- ViewStream 700 (VS-700)
- USB update tool “USBupdate1.01.exe” or UPDATE.INI \*
- Power supply (DC19V)

Note:

\*The UPDATE.INI can be created by a software tool – “USBupdate1.00.exe”. Both can be downloaded from [www.dvsignage.com/support/tools-support](http://www.dvsignage.com/support/tools-support)

## 2 Content Update

This section explains the use of USB memory stick for content update. The content such as video, images, playlist file and firmware are updated through a USB memory stick.

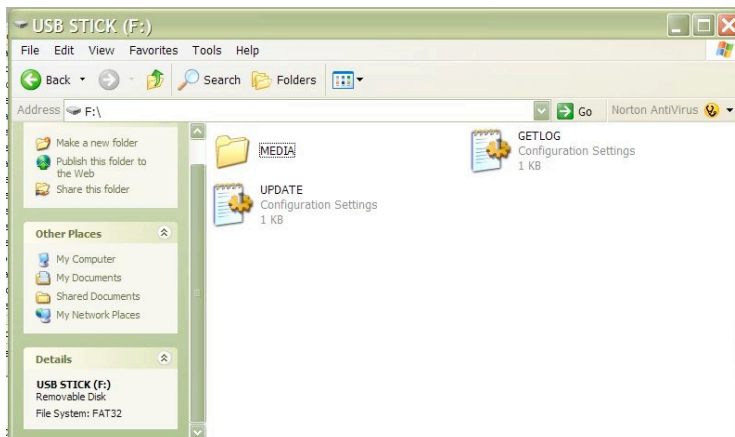
### 2.1 Preparation

#### USB Memory Stick

- Ensure the USB memory stick is formatted as FAT32 and no “Password control” files are installed on it.
- Create a new folder “MEDIA” on the USB memory stick.

Create a text file named “UPDATE.INI” \* on the root directory. Please refer to the **UPDATE.INI** section for details. You can download this .ini file from [www.dvsignage.com/support/tools-support](http://www.dvsignage.com/support/tools-support)

□ The USB update does not work without this update.ini file.

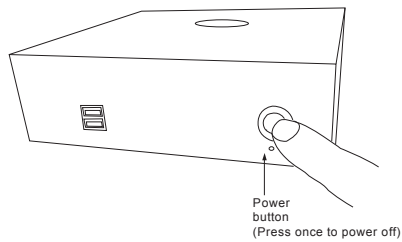


- Copy all media content (.mpg, .jpg etc.) into the “MEDIA” folder. These files are now prepared for uploading to the ViewStream 700 (VS-700).

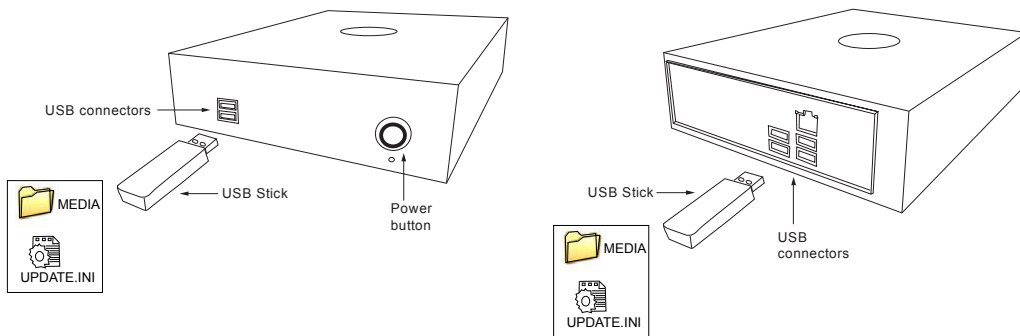
## 2.2 USB upload

### Upload new media content

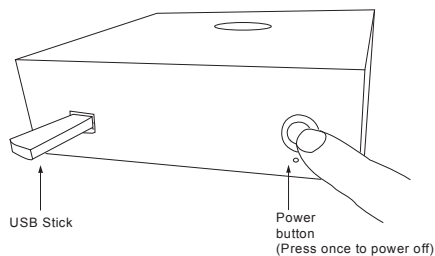
Step 1: Make sure ViewStream 700 is powered off before inserting the USB memory stick.



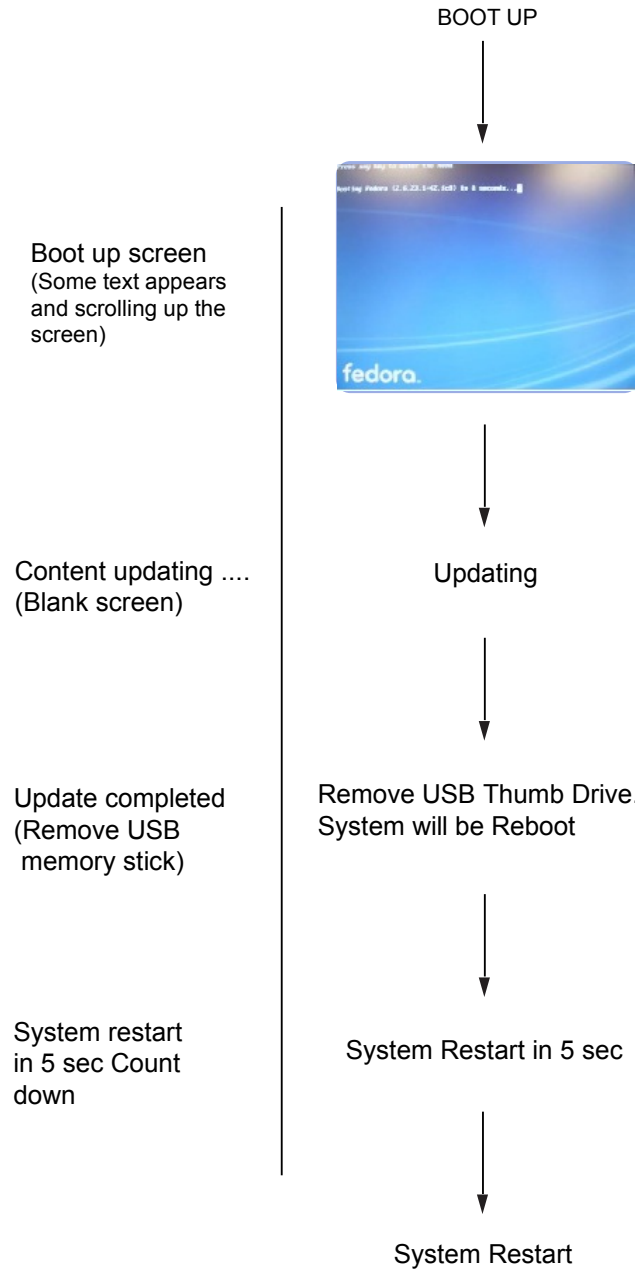
Step 2: Insert USB memory stick with content and "update.ini" saved to ViewStream 700.



Step 3: Power on ViewStream 700.



When the media content is being copied from USB memory stick to ViewStream 700. A screen message will be shown as below:



Once the file copy is completed, the following message will be shown:

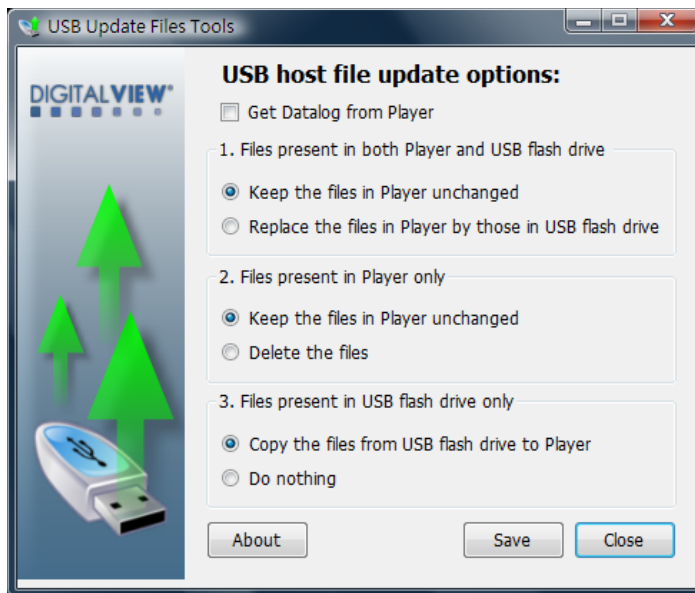
**Remove USB Thumb Drive. System will Reboot**

System will restart 5 seconds after the USB thumb drive has been removed.

## 2.3 UPDATE.INI

This is a text file to control the file transfer mechanism between player and the USB memory stick. This file must contain the description and options as shown in the example file below and placed in the root directory on the USB memory stick. This “Update.ini” file can be created manually or generated by a software tool “USBupdateX.XX.exe” (download “USB Host Update/Memory Stick Application...” from : [www.dvsignage.com/support/tools-support](http://www.dvsignage.com/support/tools-support))

Screen of “USBupdate1.01.exe”:



Note: This software tool requires Microsoft .NET Framework to execute. If your computer does not have the Microsoft .NET Framework installed. Please go to the <http://www.microsoft.com> to download and install the latest .NET Framework.

Example of the “update.ini” text file:

```
[update]

USB host file update options:

-----

1. Files present in both Player and USB flash drive

(*) Keep the files in Player unchanged
() Replace the files in Player by those in USB flash drive

-----

2. Files present in Player only

(*) Keep the files in Player unchanged
() Delete the files

-----

3. Files present in USB flash drive only

(*) Copy the files from USB flash drive to Player
() Do nothing

-----
```

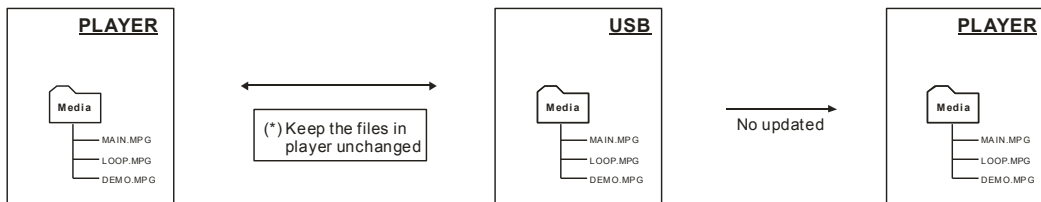
The USB update does not work without this update.ini file.

The following explains the details of each options of the “update.ini” file.

## 1. Files present in both Player and USB flash drive

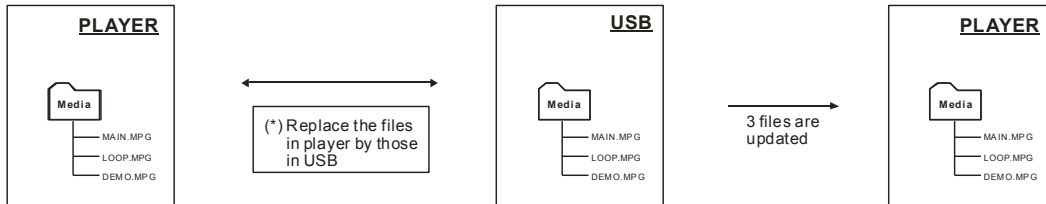
If both Player and USB memory stick has the file(s) with same filename, you may have two options :

*Option 1 – Keep the files in Player unchanged*





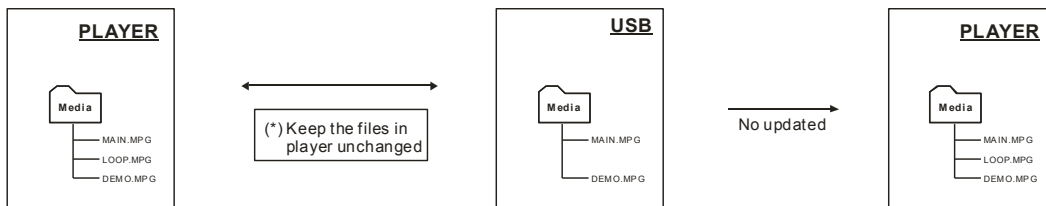
## Option 2 – Replace the files in Player by those in USB flash drive



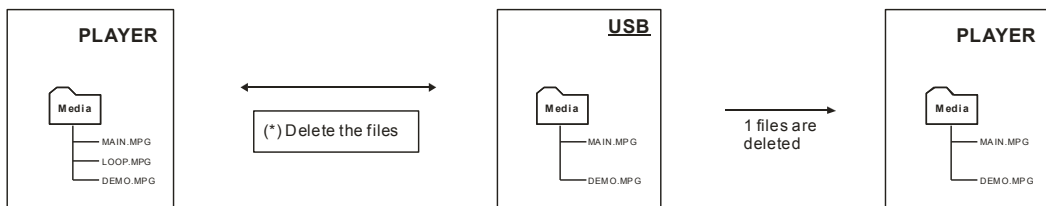
## 2. Files present in Player only

If the file(s) only be found on player but not on USB memory stick, then those files will be removed from the player or you may have another option to keep the files on the player unchanged.

### Option 1 – Keep the files in Player unchanged



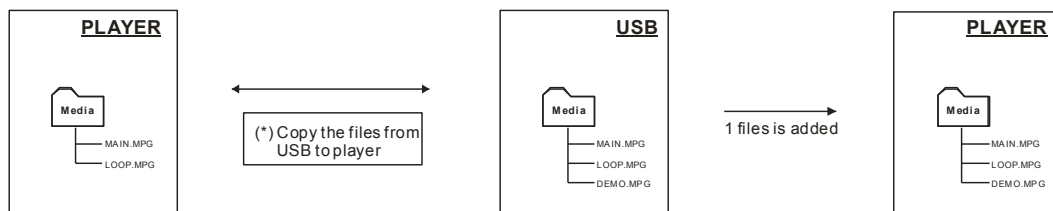
### Option 2 – Delete the files



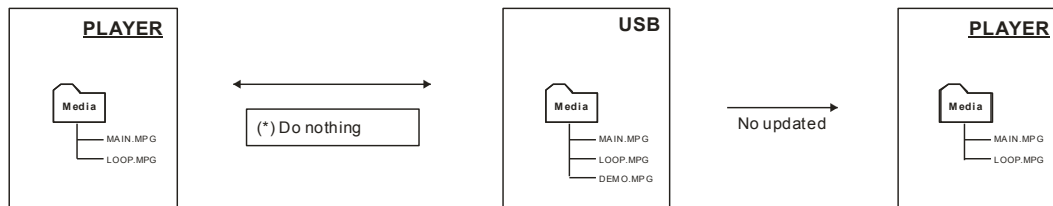
### 3. Files present in USB flash drive only

If the file(s) only be found on USB memory stick but not on player, then those files will be copied to the player.

#### Option 1 – Copy the files from USB flash drive to Player



#### Option 2 – Do nothing



## 2.4 Partial update

You can update all or some of the files. A partial update is defined in the “update.ini” file stored on a USB Memory Stick. The following cases explain how the options work.

### Case (I) – Overwriting all files

Use this when you want to overwrite the player with new content and new playlist, and remove all those files which are not used in the current playlist. This will save storage space on your HDD. Copy the new content and new playlist on to the USB memory stick, and set the option as below.

```
[update]

USB host file update options:

-----
1. Files present in both Player and USB flash drive

( ) Keep the files in Player unchanged
(*) Replace the files in Player by those in USB flash drive

-----
2. Files present in Player only

( ) Keep the files in Player unchanged
(*) Delete the files

-----
3. Files present in USB flash drive only

(*) Copy the files from USB flash drive to Player
( ) Do nothing

-----
```

## Case (II) – Partially file(s) update

To save time, if you just want to update some of the files in a playlist and avoid downloading again any file(s) that already exist on the player. Copy the files you want to update on to the USB memory stick and set the options as below.

```
[update]
USB host file update options:
-----
1. Files present in both Player and USB flash drive
( ) Keep the files in Player unchanged
(*) Replace the files in Player by those in USB flash drive
-----
2. Files present in Player only
(*) Keep the files in Player unchanged
( ) Delete the files
-----
3. Files present in USB flash drive only
(*) Copy the files from USB flash drive to Player
( ) Do nothing
-----
```

Apart from the two cases above, you can define any updating rule by different options combination in the update.ini file.

## 2.5 UPDATE.LOG

A log file “Update.log” will be created automatically on the USB memory stick once the upload process is done successfully. This log file records the history of the content update as shown in the example as below:

```
[2008-08-14 11:39:54]DELETE:1024x768.jpg  
[2008-08-14 11:39:54]DELETE:1280x720.jpg  
[2008-08-14 11:39:54]DELETE:720M208M.MPG  
[2008-08-14 11:39:54]DELETE:A.pll  
[2008-08-14 11:39:54]DELETE:default.prj  
[2008-08-14 11:39:54]DELETE:dscf0026.jpg  
[2008-08-14 11:39:54]DELETE:msd.avi  
[2008-08-14 11:39:54]DELETE:schedule.ini  
[2008-08-14 11:40:07]COPY:720M220MB.MPG  
[2008-08-14 11:40:08]COPY:J3.JPG  
[2008-08-14 12:09:13]COPY:720H205M.AVI  
[2008-09-09 09:03:41]COPY:DEFAULT.PRJ  
[2008-09-27 12:36:58]COPY:NETCFG.INI
```

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