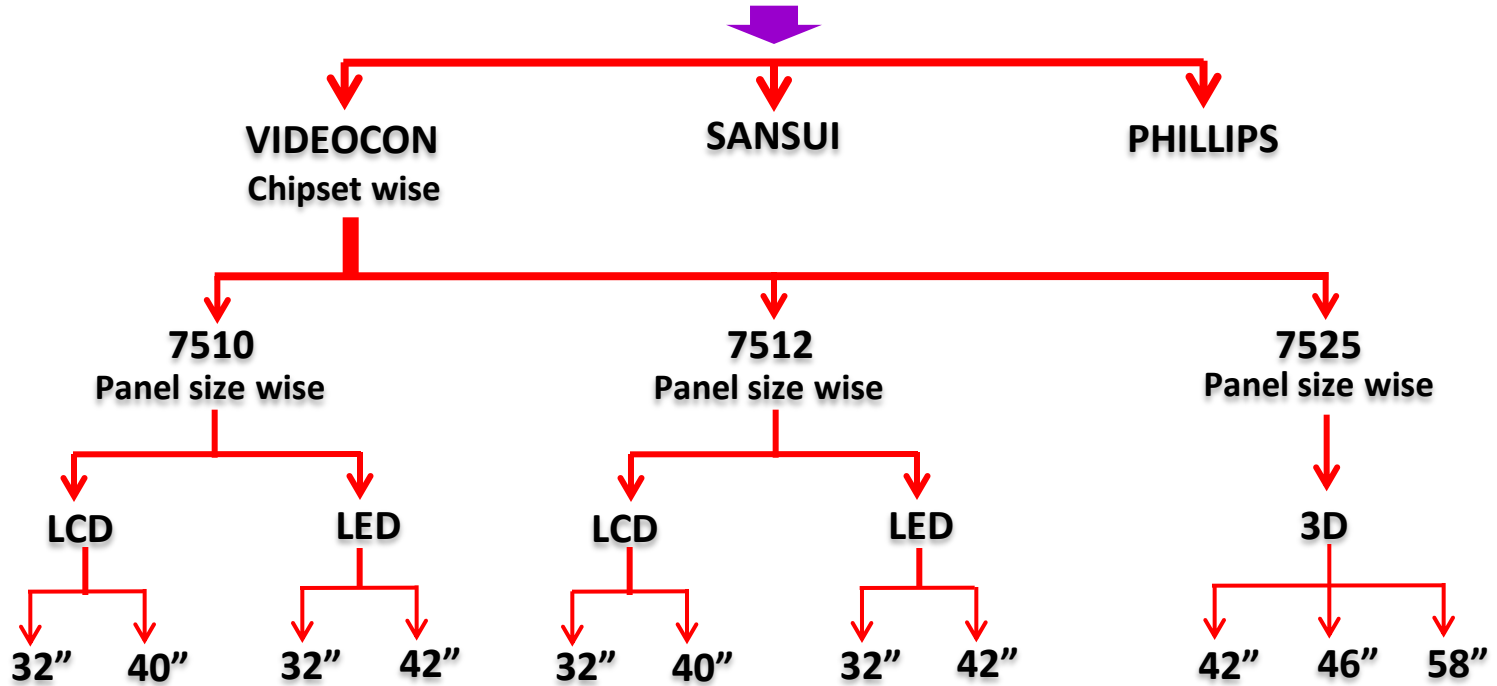


Software Up gradation  
Process in DDB LCD / LED  
through USB



**DDB Software's Structure**



7510 Chipset Models

VAD32FF-VXA	VJE42FH-V0A
VAF32FI-VXA	VJE32FH-VXA
VAD40FF-VXA	VJE42FH-VXA
VJE32FH-V0A	VJH32FA-VXA

7512 Chipset Models

VAD32FF-KXA	VJE42FH-K1A
VJA32FH-K0A	VJF32FA-KXA
VJE32FH-K0A	

7525 Chipset Models

VJF42PA-XSA	VJE42PH-XXA
VJF46PA-XSA	VJH32PA-XSA
VJF58PA-XSA	VJH46PA-XSA



## NANAD

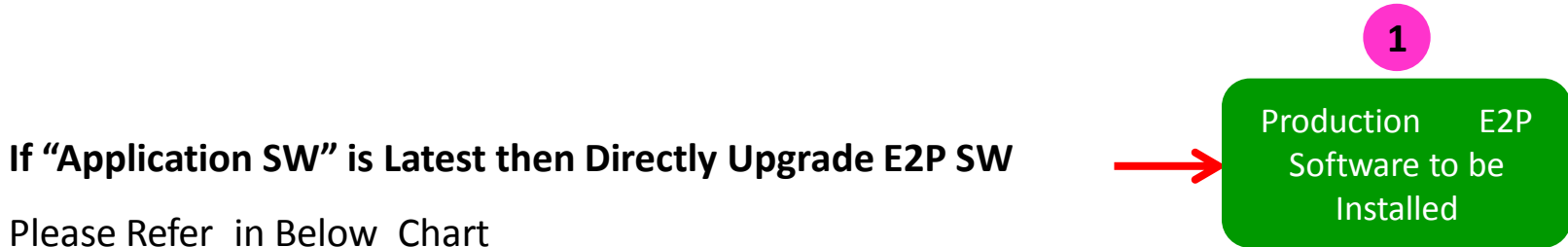
- NAND is the **Application Software** which will be Loaded at Factory (Needs to be Upload in the filed with respect to New updates)
- NAND SW will Automatically update through OTA also
- STB SW Functionality (STB /LCD OSD can be modified)
- A3W\_16\_010F for 7510 Chassis,
- A3W\_12\_128 for 7512 Chassis,
- A3W\_17\_011B for 7525 Chassis

## E2P

- E2P is the **Erasable Software** which will be Loaded at Factory (Needs to be Upload in the filed while replacing Panel & Chassis irrespective of Existing)
- Version will be depends upon the Panel & Model (Ex:- 10.2 Version for 7510 Chassis)
- All types of Panels have different E2P file for their design data
- E2P file needs to be load in LCD / LED whenever we change the Main PCB and panel
- E2P software file is used to change the design data of DVBS LCD / LED TV
- Panel wise Design data information like White balance, Audio Video setting, panels settings are stored in E2P Software file
- E2P file can be loaded from USB drive through USB port on LCDs



E2P file needs to be load in LCD / LED whenever we change the Main PCB and panel but before Loading E2P SW we need to check Application & Loader Software's are for Latest , If not then 1<sup>st</sup> Load Application & Loader Software's and then Upload E2P file (Refer given Chart)



Chassis	S/W Ver.	Date
Freeman 7510	Old	Before 30 <sup>th</sup> Jun'12
	New	30-Jun-12
Freeman 7512	Old	Before 11 <sup>th</sup> Jun'12
	New	11-Jun-12
Freeman 7525	Old	Before 26 <sup>th</sup> Jul'12
	New	26-Jul-12



<b>7510 Videocon model matrix</b>									
Model No	LED/LCD	Cabinet	Loader	Application (Build date)	Chassis SAP Code	E2P	Panels	Dimming Control	Speakers
VAD32FF-VXA	LCD	S12	Ver 1.6	A3W_16_010F_L1_S0 (30-JUNE -2012)	1200052004	10_0	SAM HM02	DC	Strata
					1200054261	10_0	AUO VD	DC	Strata
					1200056111	10_0	AUO V4	DC	Strata
VAF32FI-VXA	LCD	MAG			1200056111	10_0	AUO V4	DC	Strata
VAD40FF-VXA	LCD	S12			1200054673	10_4	HM01 -R	DC	Strata
VJE32FH-V0A	LED	CON1			1200052003	10_0	AUO V8	PWM	Old
VJE42FH-V0A	LED	CON1			1200052003	10_0	AUO V8	PWM	New
VJE32FH-VXA	LED	CON1			1200055124	10_4	AUO V1	PWM	New
VJE42FH-VXA	LED	CON1			1200051357	10_2	AUO V8	PWM	Strata
VJH32FA-VXA	LED	MET-I			1200054904	10_4	AUO V1	PWM	Strata
			1200057074	10_7	LG SEM2	PWM	Strata -MET		
<b>7512 Videocon model matrix</b>									
Model No	LED/LCD	Cabinet	Loader	Application (Build date)	Chassis SAP Code	E2P	Panels	Dimming Control	Speakers
VAD32FF-KXA	LCD	S12	1_10	A3W_12_0128 11June 2012	1200053243	10_0	SAM HM02	DC	Strata
					1200049948	10_1	AUO VD	DC	Strata
					1200056110	10_1	AUO V4	DC	Strata
VJA32FH-K0A	LED	CON1			1200053245	10_0	AUO V2	DC	Old
VJE32FH-K0A	LED	CON1			1200050538	10_1	AUO V8	DC	Old
					1200050538	10_1	AUO V8	DC	New
VJE42FH-K1A	LED	CON1			1200049929	10_1	AUO HW8 V0	DC	Old
VJF32FA-KXA	LED	MET-C			1200049929	10_1	AUO HW8 V0	DC	New
			1200046319	10_1	AUO V8	DC	Strata		
<b>7525 Videocon model matrix</b>									
Model No	LED/LCD	Cabinet	Loader	Application (Build date)	Chassis SAP Code	E2P	Panels	Dimming Control	Speakers
VJF42PA-XSA	LED	MET-C	0_5	Current Ver 25 Sep Final Ver will be released by 15 Oct	1200056588	10_1	AUO HB01_V1	PWM	Strata
VJF46PA-XSA	LED	MET-C			1200056589	10_1	AUO HVD01.0	PWM	
VJF58PA-XSA	LED	MET-C			1200056163	10_3	AUO HVDC01	PWM	
VJE42PH-XXA	LED	CON1			1200056591	TBD	AUO HB01_V1	PWM	
VJH32PA-XSA	LED	MET-I			1200056589	TBD	LG SEF2	PWM	
VJH46PA-XSA	LED	MET-I			1200056589	TBD	AUO HVD01.0	PWM	



# Application (NAND) Software Upgradation Process In DDB TV



- NAND is the **Application Software** which will be Pre Loaded at Factory (Needs to be Upload in the filed with respect to New updates)
- **NAND SW will Automatically update through OTA**
- STB / LCD OSD's (On Screen Display's) can be modified with this Software
  - a) Firmware Version :- A3W\_16\_010F for 7510 Chassis,
  - b) Firmware Version :- A3W\_12\_128 for 7512 Chassis,
  - c) Firmware Version :- A3W\_17\_011B for 7525 Chassis

**Note :- Application / Loader will remain common for all models (Brand & Chipset wise)**

- Before Updating this Software we need to check Existing NAND Software in DDB TV
- If it is with Latest Software as shown in the Chart then, not required to Install Application Software
- Directly Upgrade Production E2P Software (Process is given in next Slides)
- If the Software is Old Version then we need to Upgrade Application Software for New Version

Chassis	S/W Ver.	Date
Freeman 7510	Old	Before 30 <sup>th</sup> Jun'12
	New	30-Jun-12
Freeman 7512	Old	Before 11 <sup>th</sup> Jun'12
	New	11-Jun-12
Freeman 7525	Old	Before 26 <sup>th</sup> Jul'12
	New	26-Jul-12



- Press “QUICK C” Key (for 7510 & 7512 Models) and “ATV Menu” Key (for 7525 Model) Key on Remote
- Select “Install” from Menu using Down Navigation Key
- , it’s border will highlight in Yellow Color when selected
- Press “OK” Key to enter into Install Menu
- Select S/W Version Option Using Down Navigation Key
- , it’s border will highlight in Yellow Color when selected
- Press “OK” Key / Right Navigation Key to Check SW Version

7510 & 7512

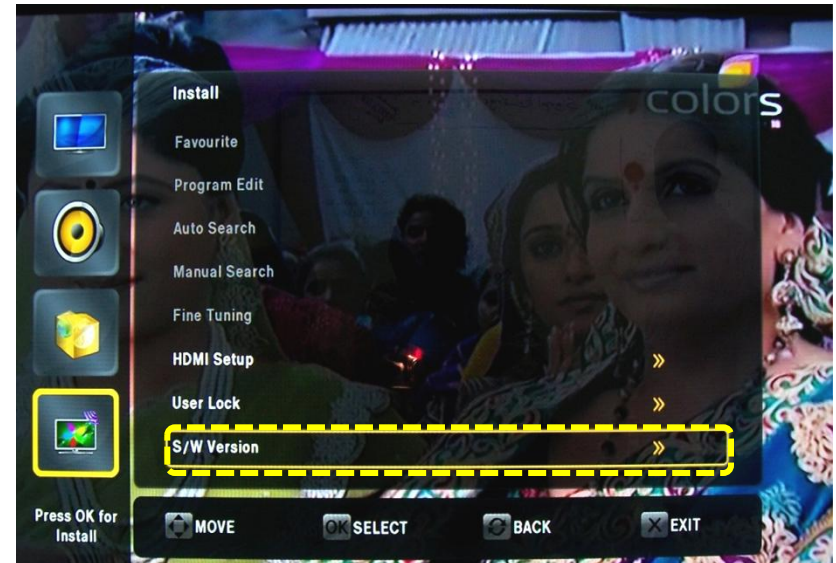
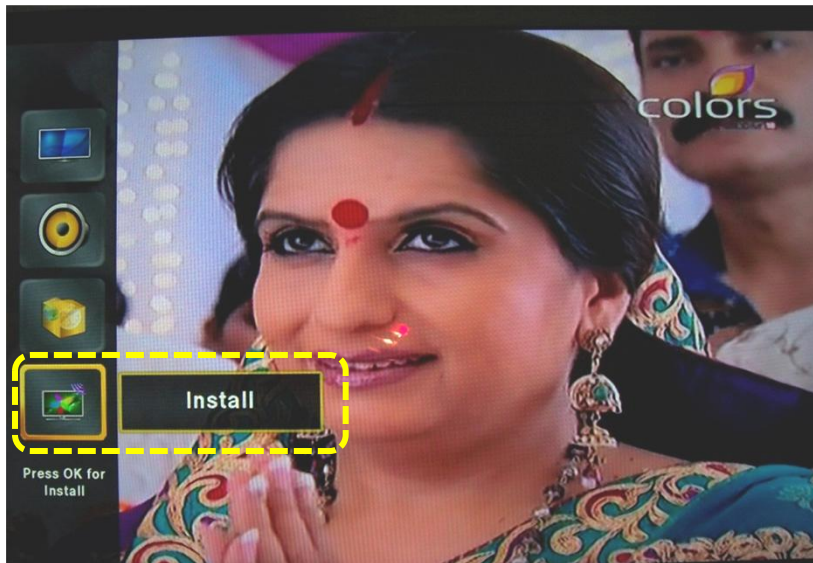


Press  
“Quick-C” Key

7525



Press “TV  
Menu” Key





- Once the S/W (Software) Version Option is Selected
- Use Right Navigation Key / Press OK Key to check Existing SW Version
- Existing Firmware Version, EEPROM Version , Loader Version and Build Date will be displayed
- We need to check the Build date as per the Chart
- If it is Latest Software then Not Required to Install Application Software
- Press Exit Key to Return Back to TV Screen.

7510 & 7512

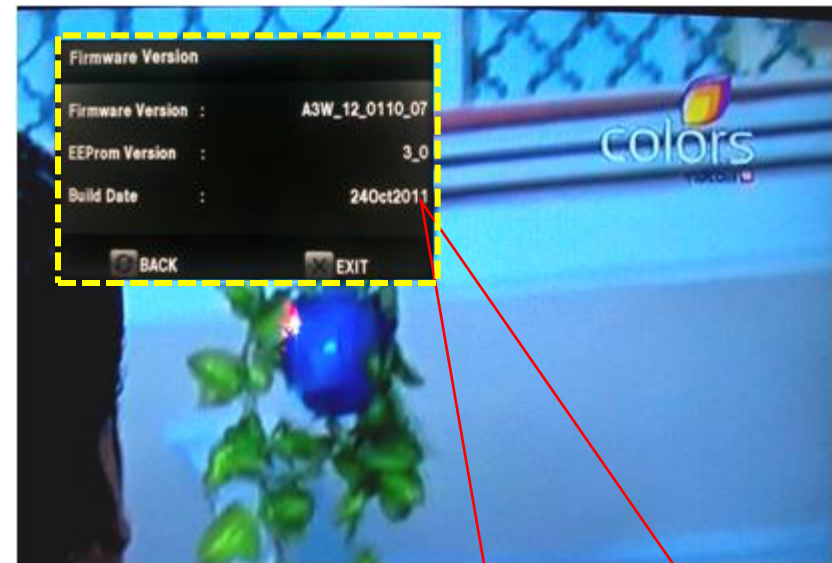
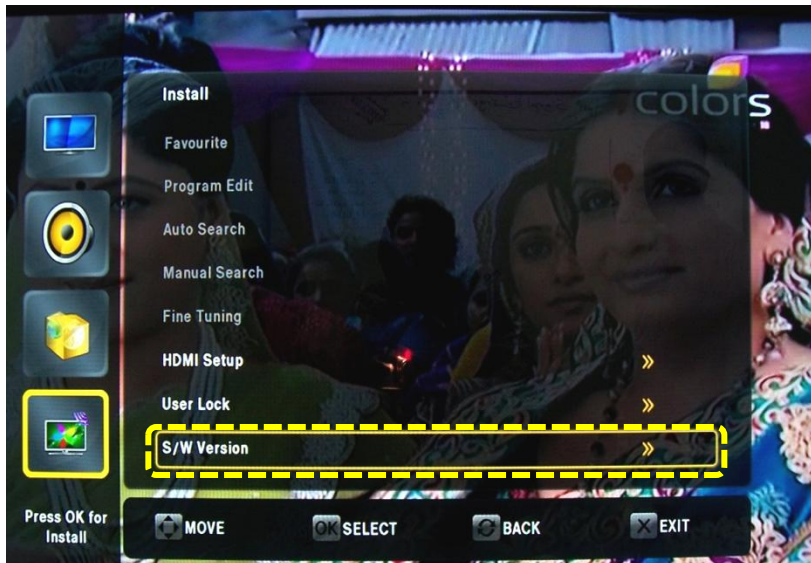


Press Right Navigation Key

7525



Press Right Navigation Key



**Note:- If the Existing SW is not Latest then Upgrade Application Software as shown Process**

**Build Date : 24Oct2011**



Step1 :- Receive “**DDB TV – Application & Loader SW**” folder from Factory and Store in D/E Drive of PC/ Laptop

Step 2 :- Choose the folder with Respect to Brand of LCD/LED like Videocon, Sansui & Phillips

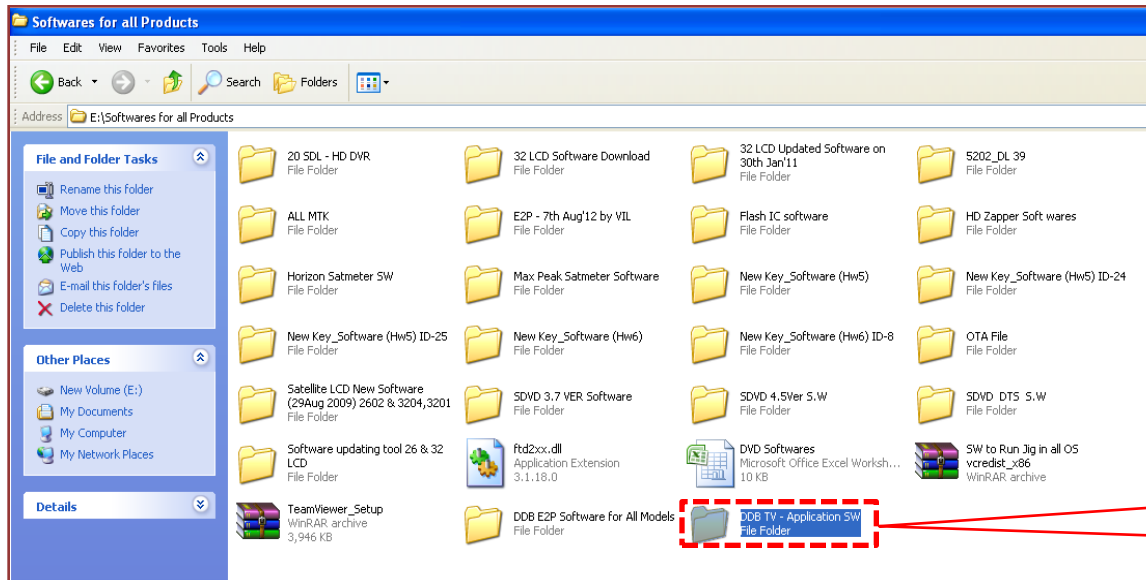
Step3 :- Select the Chipset Category of LCD/LED like 7510 Chassis , 7512 Chassis & 7525 Chassis

Step4 :- Copy Selected files in Pen drive (File Name should be as a Videocon & Factory)

**(and Ensure Videocon Folder should Contains .sdl file)**

**Note :- Application /Loader will remain common for all models (Brand & Chipset wise)**

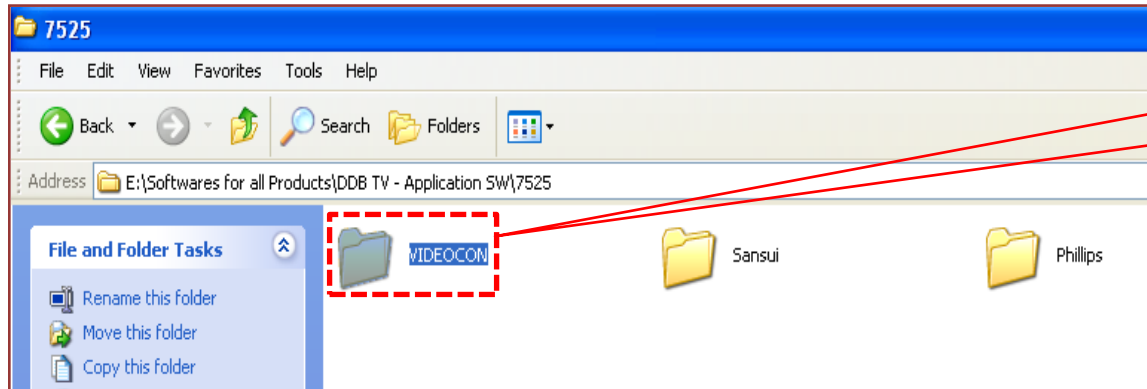
**Step 1 :- Select “DDB TV – Application & Loader SW” folder from the stored Location ( D / E Drive) and Open for Sub folders**



## Step 2 :- Select the Brand of the DDB LCD /LED (Videocon / Sansui / Phillips)

In which Software needs to be Updated

Brand Can be Identified with Front Brand Name

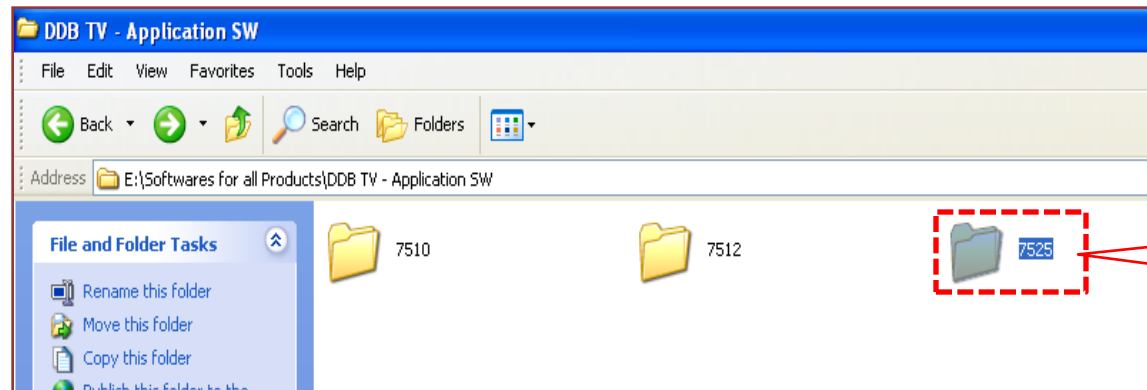


Select **Brand (Videocon / Sansui / Phillips)** in the folder and Double click for Sub folders

## Step 3 :- Select the Chip Set of the DDB LCD /LED (7510 / 7512 / 7525)

in which Software needs to be Updated

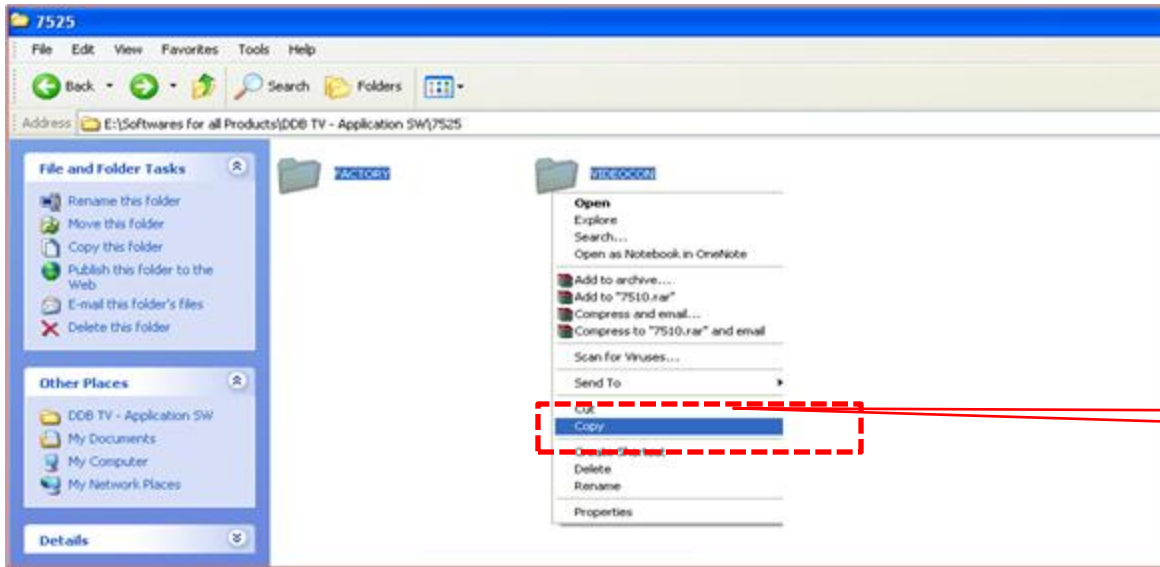
Chip Set Can be Identified with Rear View Ports of the DDB LCD /LED or from the Nomenclature of Set



Select **Chip set (7510 / 7512 /7525)** in the folder and Double click for Sub folders



## Step 4 :- Copy the Videocon folder and Factory Folder and Store to Pen Drive

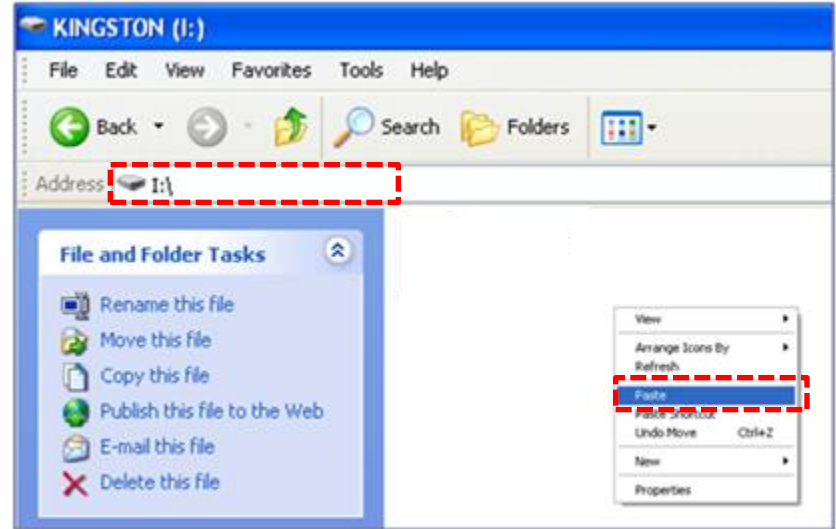
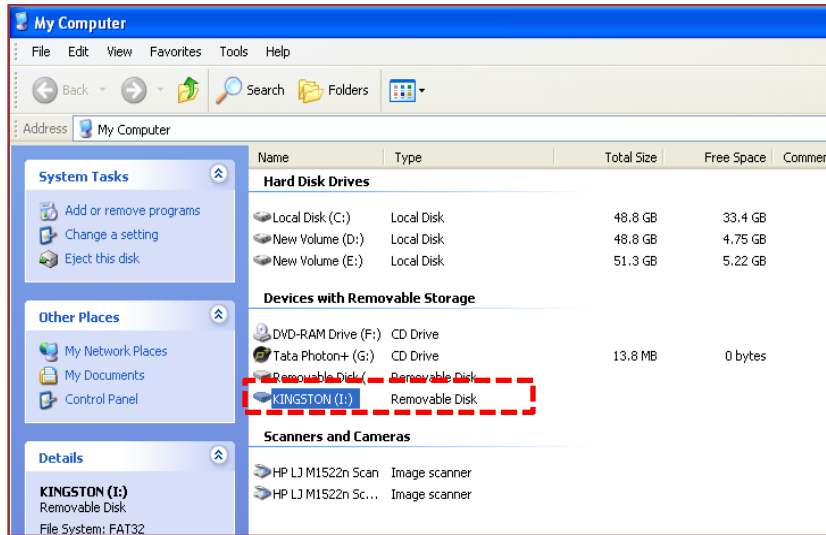


Copy two folders

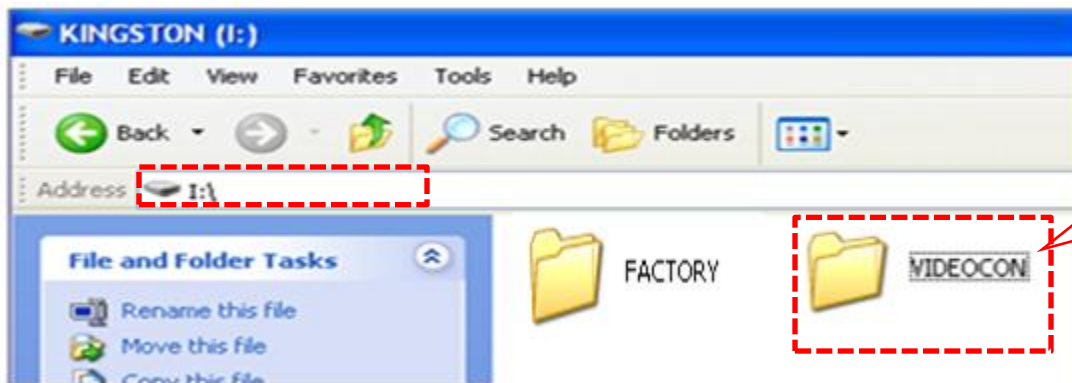
## Step 5 :- Insert Pen drive in the Laptop / Computer CPU



**Step 6 :-** Double Click on “My Computer” Icon on your Computer below Screen will be Displayed  
Select Removable Device and Double Click on It (Like Pen Drive as shown in the Picture)



**Videocon & Factory Folders are Copied in Pen drive (Videocon Folder will Contain .sdl file)**



**Cross Check the Videocon Folder Should Contain .sdl file**

**Note :-** Please Ensure folder Name Should be “Videocon” & Factory



## Step 7:- Insert USB in the USB Slot of DDB TV for

Software Upgradation (Ensure DDB Should be "OFF")



## Insert Power Plug in to Power Socket



## Step 8 - Press the **Power** key of remote control and Once it is Releasing Stand by Mode Immediately

Press Navigation "UP" and Navigation 'Down" 2 Times



Press "Power" Key



- During boot up first Red LED will glow and then OFF after 3 to 4 Second.
- Then Immediately Press the Remote Control Sequence as
- Press the **Power** key >> **Navigation UP** >> **Navigation Down** >> **Navigation Down** And It starts Down Loading Software Automatically



## Automatically It Starts Upgrading Application Software

Software Upgrade Through USB

Loader Data

Man Code	: 199	Load Ver	: 6
H/W Ver	: 12	Variant	: 199
Sig Ver	: 0	Loader Ver	: 3.1
File Name	: A3W_17_011B_LA_...	Date	: 6/9/2012

Download Progress (Don't switch off the TV)

Receiving Partition P35 of 134

Error : 0x00000000 Time : 00:01:21

No Error...

## Software Upgrade is Under Progress

Software Upgrade Through USB

Loader Data

Man Code	: 199	Load Ver	: 6
H/W Ver	: 12	Variant	: 199
Sig Ver	: 0	Loader Ver	: 3.1
File Name	: A3W_17_011B_LA_...	Date	: 6/9/2012

Download Progress (Don't switch off the TV)

Receiving Partition Header for P118...

Error : 0x00000000 Time : 00:03:45

No Error...

## It Indicates Fusing into Flash Ensure TV should not be Off

Software Upgrade Through USB

Loader Data

Man Code	: 199	Load Ver	: 6
H/W Ver	: 12	Variant	: 199
Sig Ver	: 0	Loader Ver	: 3.1
File Name	: A3W_17_011B_LA_...	Date	: 6/9/2012

Download Progress (Don't switch off the TV)

Fusing into Flash...

Error : 0x00000000 Time : 00:04:17

No Error...

## It Showing Software Upgrade Successfully Completed

Software Upgrade Through USB

Loader Data

Man Code	: 199	Load Ver	: 6
H/W Ver	: 12	Variant	: 199
Sig Ver	: 0	Loader Ver	: 3.1
File Name	: A3W_17_011B_LA_...	Date	: 6/9/2012

Download Progress

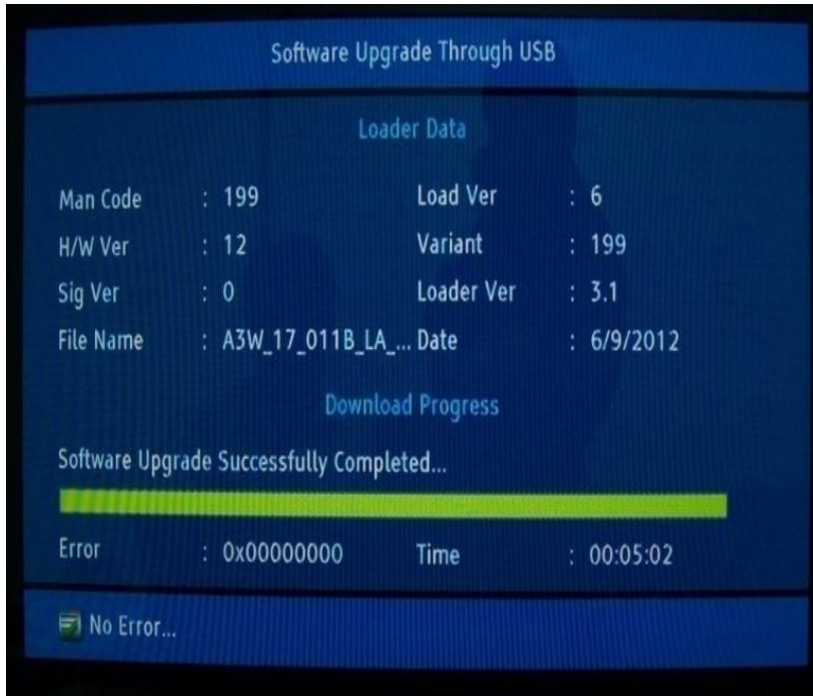
Software Upgrade Successfully Completed...

Error : 0x00000000 Time : 00:05:02

No Error...



**Step 9 :-** Once the Application Software Upgrade is Completed  
**It Showing Software Upgrade Successfully Completed**  
**Press “Power Key” on Remote to Reboot the DDB TV**



**Press Power Key”**





# Upgrader and Loader Upgradation Process In DDB TV



**Step 1:-** Press the **QUICK-C** key of remote control  
Select Audio Option using Navigation Key



Press  
"Quick C" Key



**Step 2:-** Press Numeric Keys **"8533"** on remote control  
USB Based Upgrade Menu will be displayed



Press  
"8533" Key



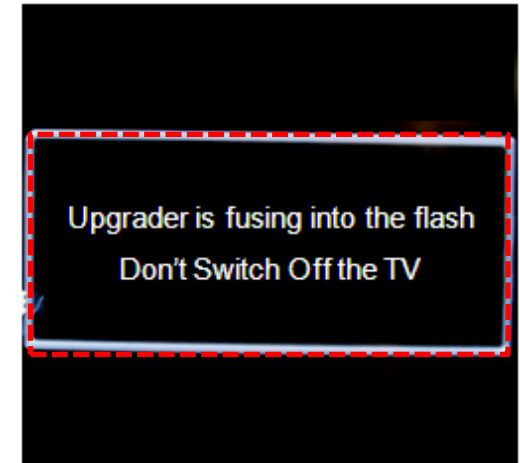
**Step 3:-** Selected **"Upgrader"** using Navigation Keys and Press Right Navigation Key or "OK" Key to Upgrade **"Upgrader"**.



Press  
"Right" Key



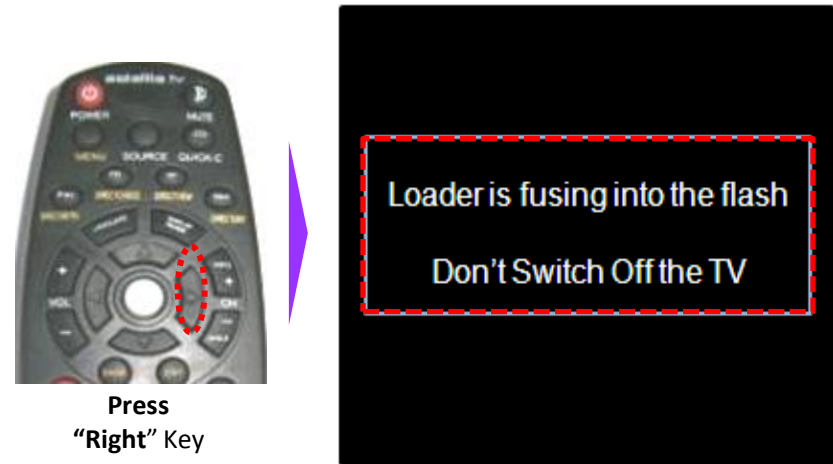
Press  
"Right" Key



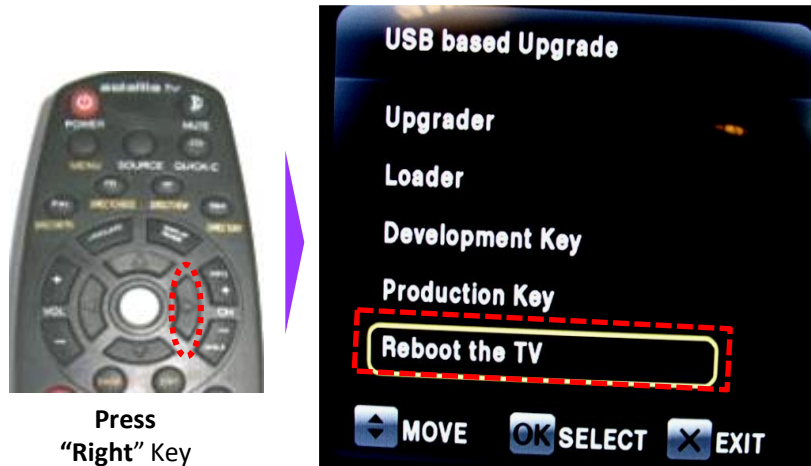
**Note :** Please ensure Set should not be switched off during the process



**Step 4:-** Selected “Loader” using Navigation Keys and Press Right Navigation Key or “OK” Key to Upgrade “Loader”.



**Step 5:-** Selected “Reboot the TV “ using Navigation Keys and Press Right Navigation Key or “OK” Key to Restart the DDB TV.



**Note :** Please ensure Set should not be switched off during the process



- Press “QUICK C” Key (for 7510 & 7512 Models) and “ATV Menu” Key (for 7525 Model)” Key on Remote
- Select “Install” from Menu using Down Navigation Key
- Press “OK” Key to enter into Install Menu
- Select S/W Version Option Using Down Navigation Key
- Press “OK” Key / Right Navigation Key to Check SW Version
- Existing Firmware Version, EEPROM Version , Loader Version and Build Date will be displayed
- **We need to check the Build date as per the Chart >> Press Exit Key to Return Back to TV Screen**

7510 & 7512

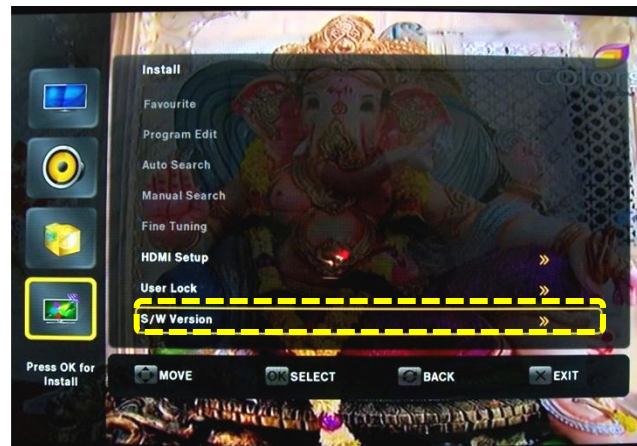


Press  
“Quick -C” Key

7525



Press “TV  
Menu” Key



**Build Date : 26Jul2012**



# Production E2P Software Upgradation Process In DDB TV



Step1 :- Receive “**DDB E2P SW- All Models**” folder from Factory and Store in D/E Drive of PC/ Laptop

Step2 :- Choose the folder with Respect to Brand of LCD/LED like Videocon, Sansui & Phillips

Step3 :- Select the Chipset Category of LCD/LED like 7510 Chassis , 7512 Chassis & 7525 Chassis

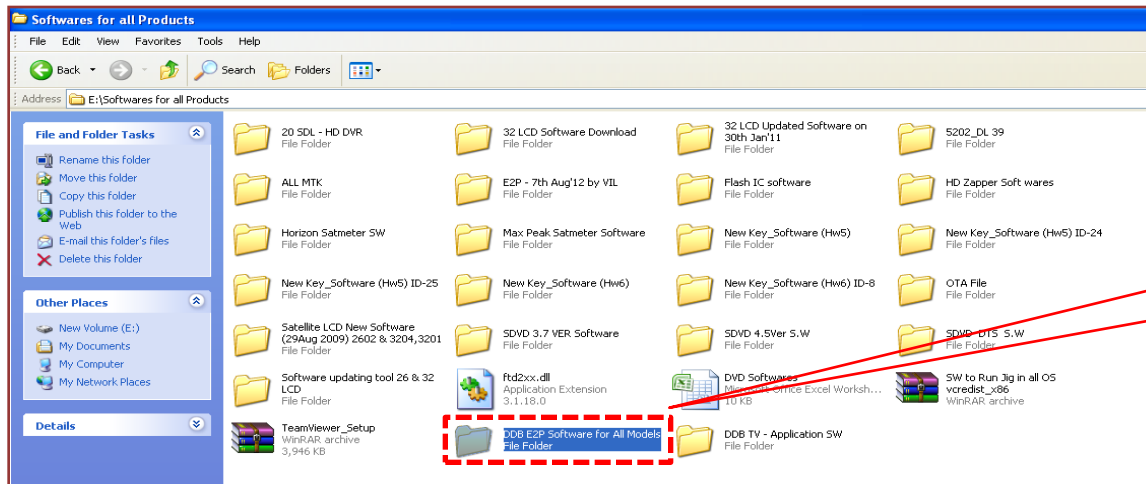
Step4 :- Select the Panel Size of LCD/LED like 32” , 42” , 46” & 58”

Step5 :- Select the Model of LCD/LED like VJF42PA-XSA, VJF46PA-XSA , etc....

Step6 :- Copy Selected file in Pen drive & Change the File Name as shown in the Process

(Ex:- “e2p\_dump.bin” in USB Pen drive for the particular Panel)

**Step 1 :-** Select “**DDB E2P SW for All Models**” folder from the stored Location ( D / E Drive) and Open for Sub folders

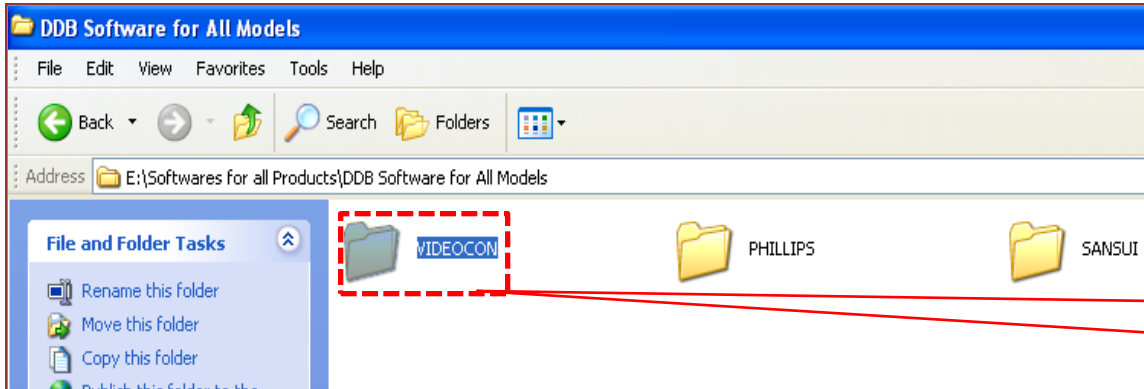


Select **DDB E2PSW for All Models** folder and Double click for Sub folders



**Step 2 :- Select the Brand** of the DDB LCD /LED (Videocon / Sansui / Phillips)  
In which Software needs to be Updated

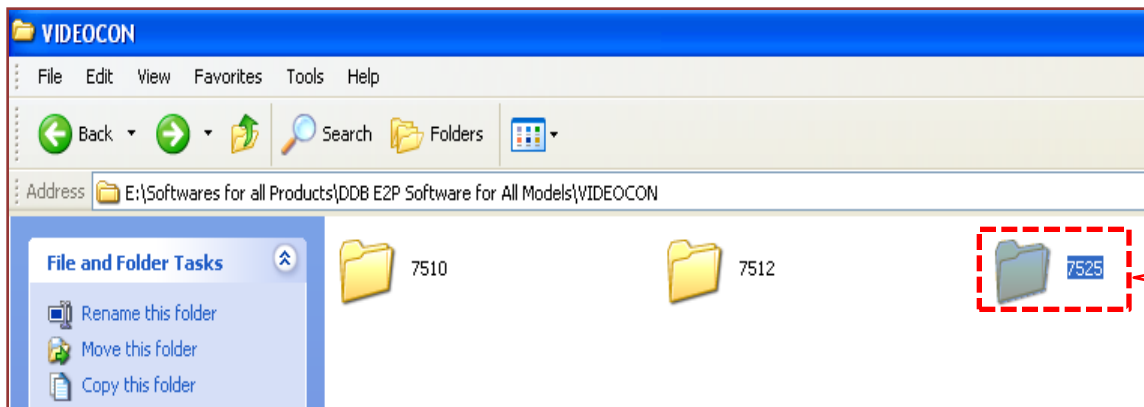
Brand Can be Identified with Front Brand Name



Select **Brand (Videocon / Sansui / Phillips)** in the folder and Double click for Sub folders

**Step 3 :- Select the Chip Set** of the DDB LCD /LED (7510 / 7512 / 7525)  
in which Software needs to be Updated

Chip Set Can be Identified with Rear View Ports of the DDB LCD /LED or from the Nomenclature of Set

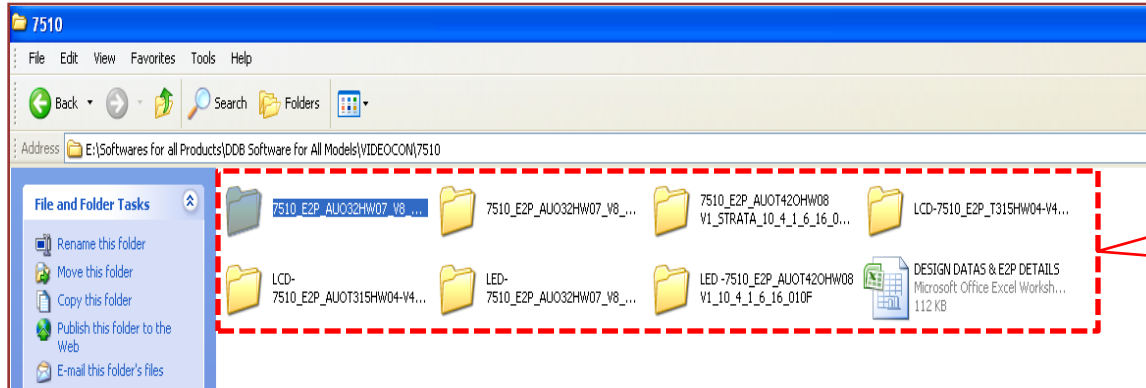


Select **Chip set (7510 / 7512 / 7525)** in the folder and Double click for Sub folders



**Step 4 :- Select the Model** of the DDB LCD /LED (Videocon / Sansui / Phillips)  
In which Software needs to be Updated

Model Can be Identified with the Sticker Pasted on the Back Cover of Set

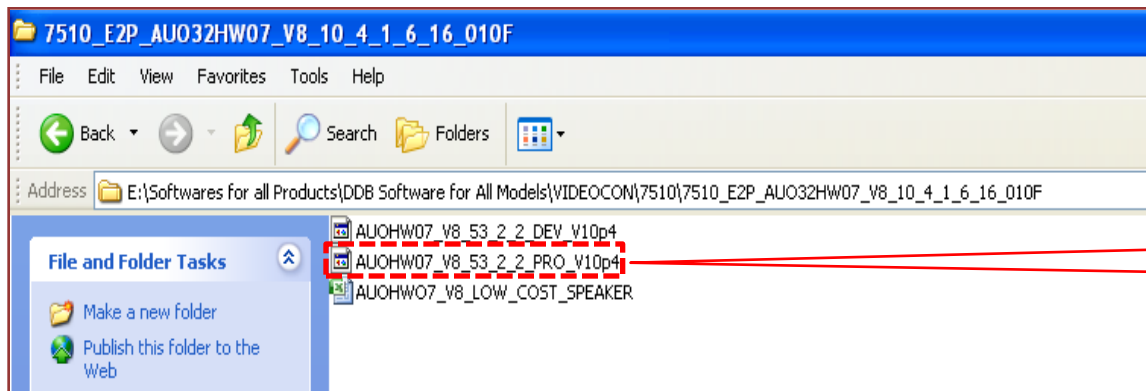


Select **Model of the DDB (Videocon / Sansui / Phillips)** in the folder and Double click for Sub folders

**Step 5 :- This Folder Contains two .bin files**

Now **Select the Production E2P** file and Copy to Pen Drive (Ex:- AU0HW07\_V8\_53\_2\_2\_PRO\_V10p4)

“PRO” Means Production E2P file

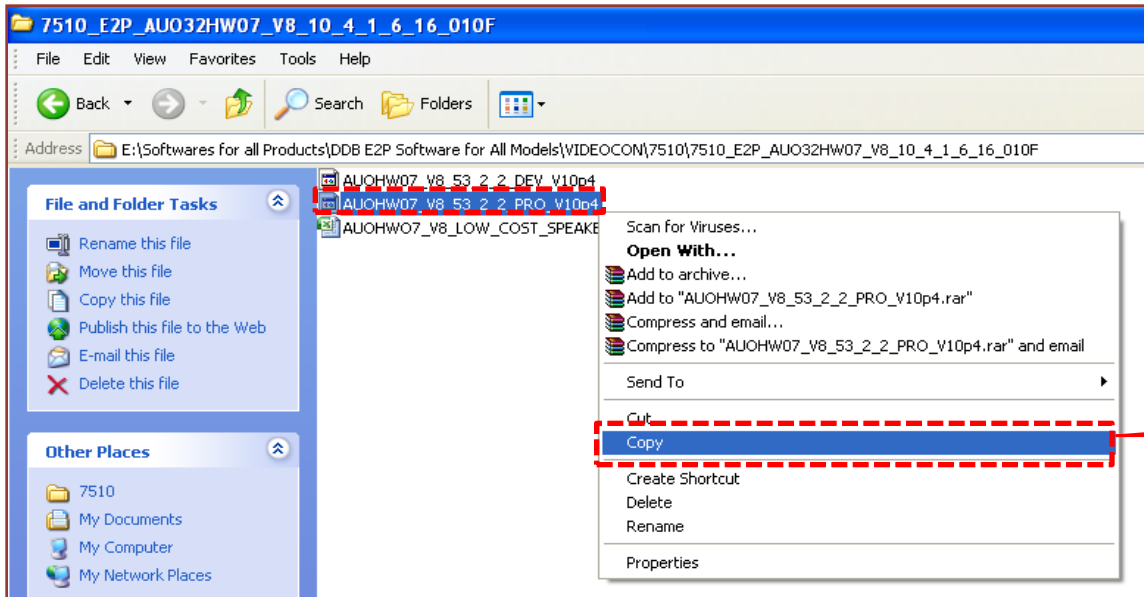


Select Production E2P file and Copy to Pen drive





## Step 6 :- Copy the Production E2P file and Store to Pen Drive (Ex:- AUOHW07\_V8\_53\_2\_2\_PRO\_V10p4)

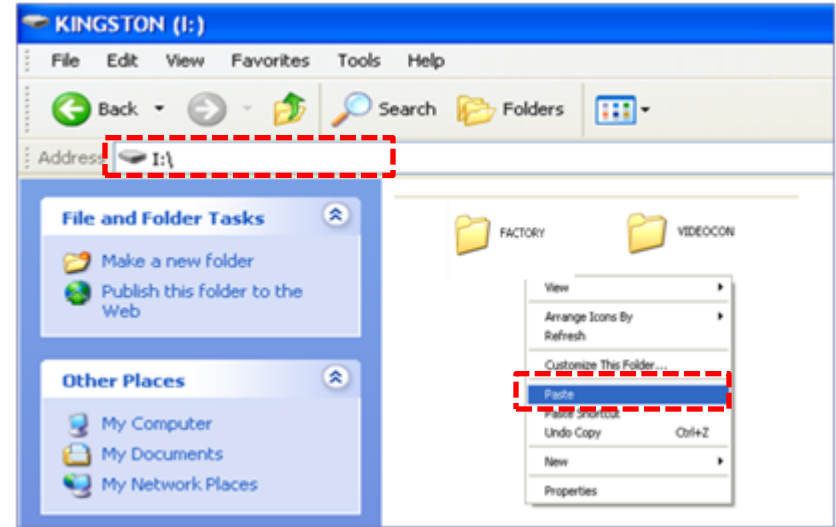
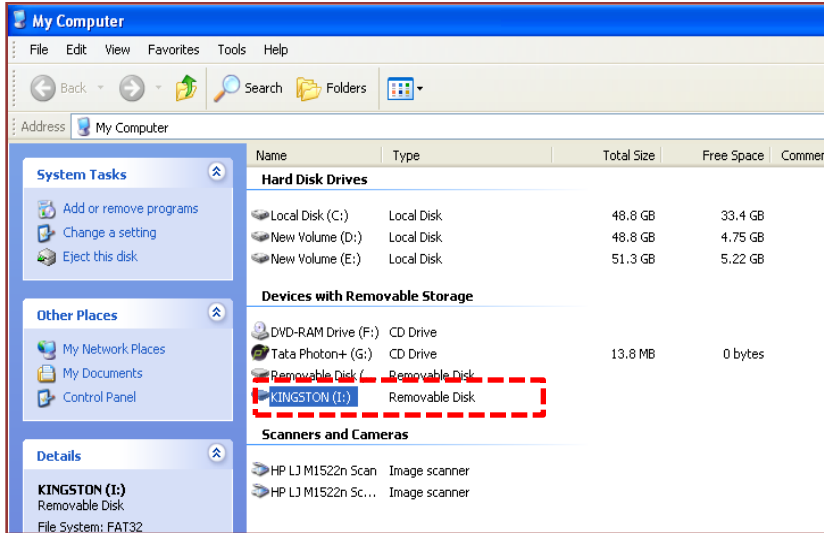


Copy PRO.e2p file

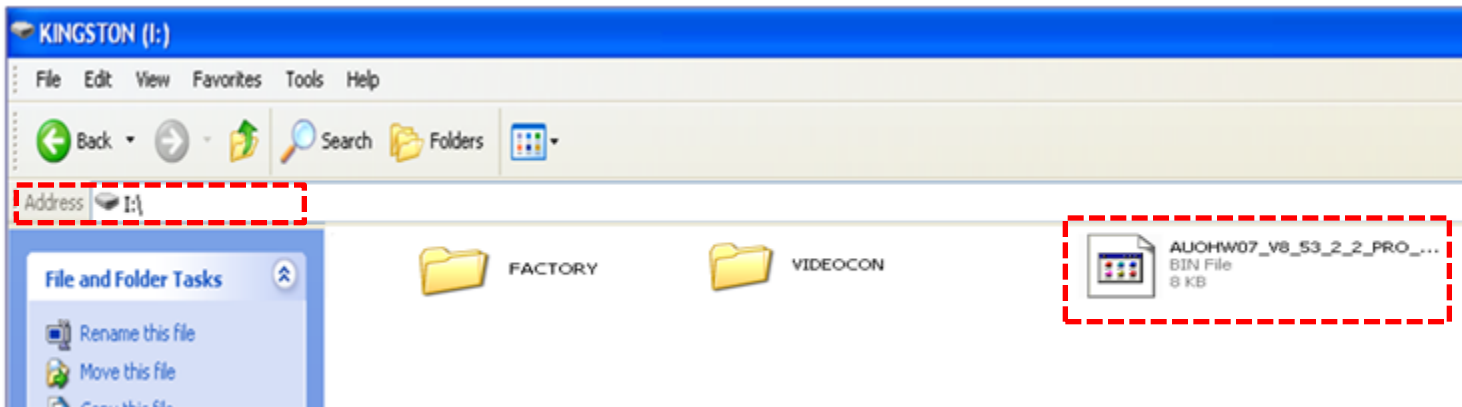
## Step 7 :- Insert Pendrive in the Laptop / Computer CPU



**Step 8 :-** Double Click on “My Computer” Icon on your Computer below Screen will be Displayed  
Select Removable Device and Double Click on It (Like PenDrive as shown in the Picture)

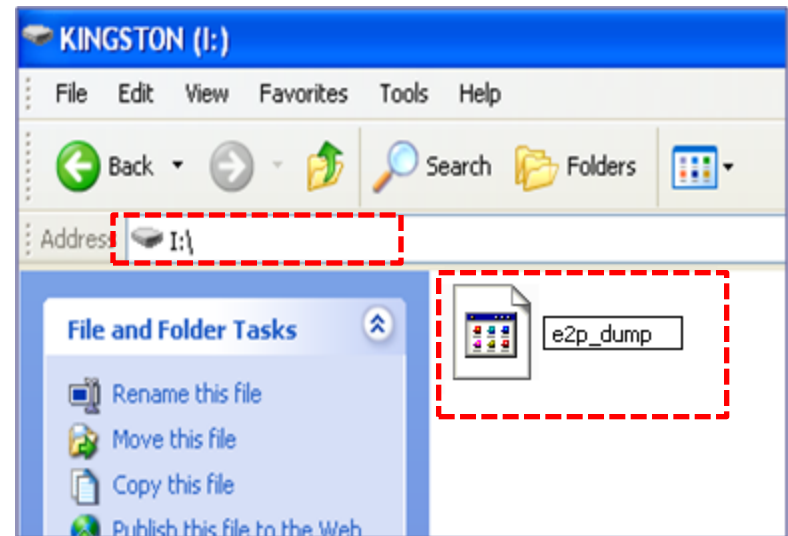
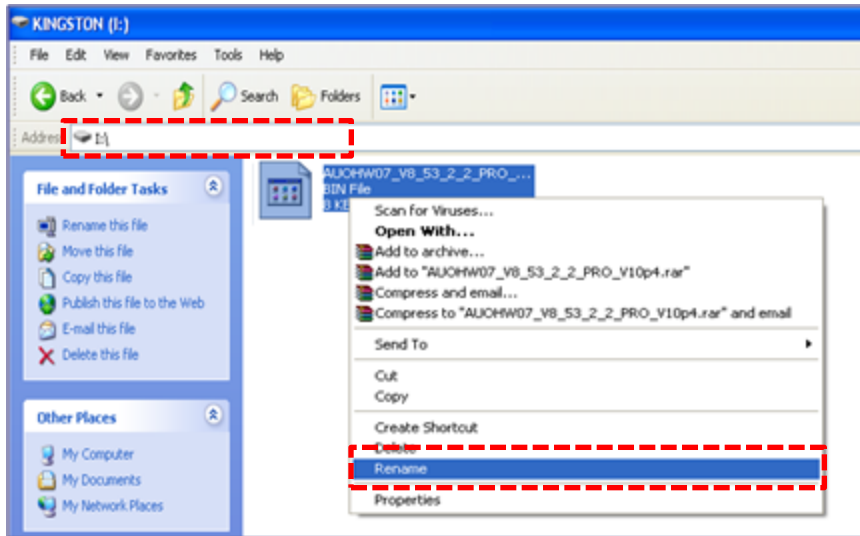


**Production E2P File is Copied in Pen drive**



**Step 9 :-** Select Stored file Right Click on the file to Rename

File Renamed as a **e2p\_dump** (always this file Should be **.bin** format)

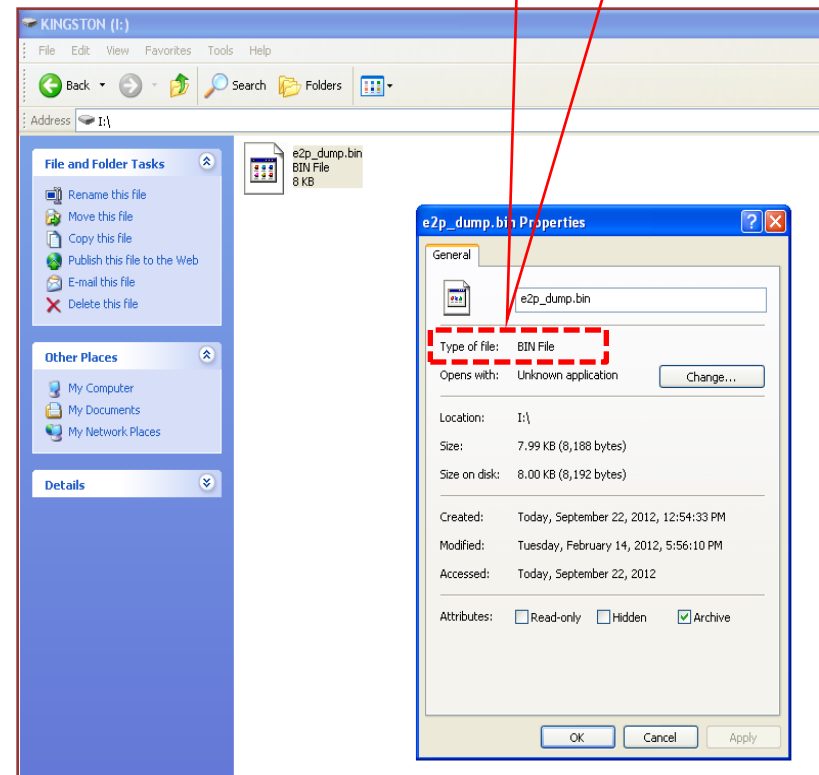
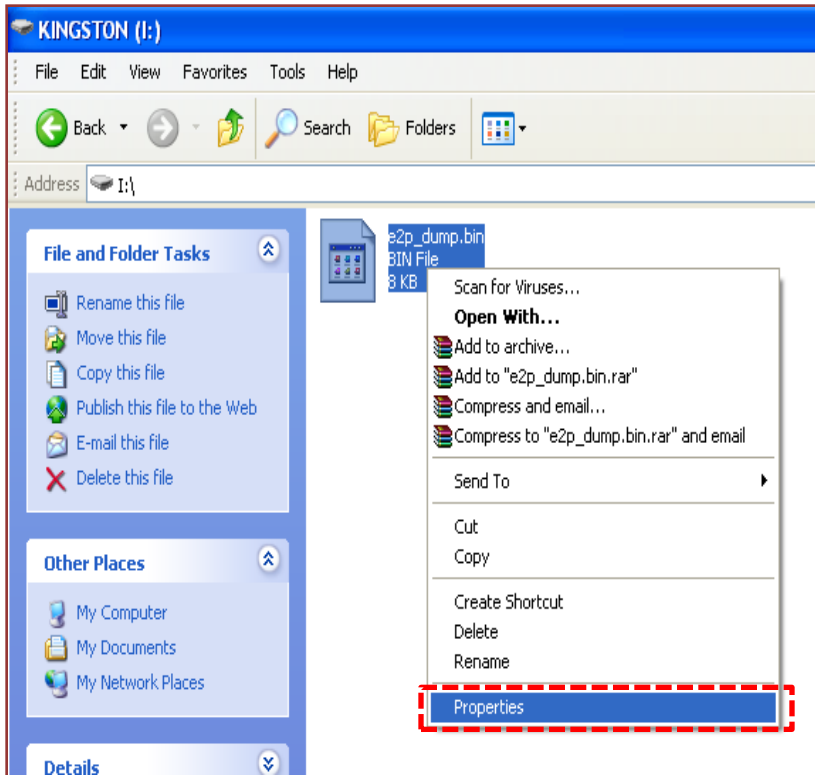
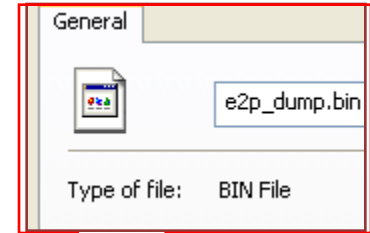


**Note :-** Please Ensure there Should not be any Other **.bin** files in the Pen drive

**.bin** file should be stored / pasted on the Prime Location, it should not be in Sub Folders in the pen Drive



**Step 10 :- Cross Check the Renamed file is .bin / not**  
Select the Renamed file and Right Click on it  
Select the Properties and Click on it as shown Below  
Properties Shows the Type of File BIN File



**Disconnect and Remove USB from Laptop /Computer CPU**



**Step 11:-** Insert USB in the USB Slot of DDB TV for

Software Upgradation (Ensure DDB Should be "OFF")



Switch ON the DDB TV

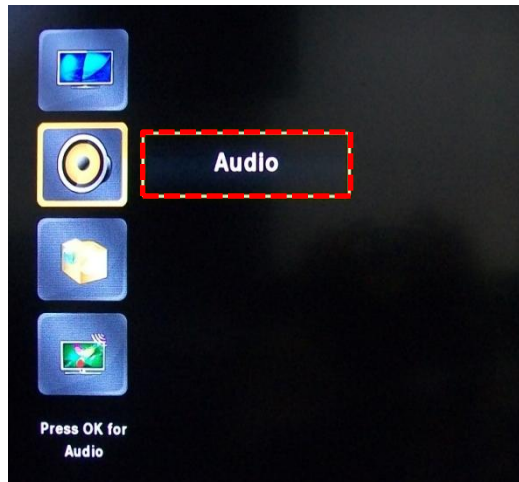


**Step 12:-** Press the **QUICK-C** key of remote control

Select Audio Option using Navigation Key



Press  
"Quick C" Key



**Step 13:-** Press Numeric Keys "8532" on remote control

Factory Menu will be displayed



Press  
"8532" Key

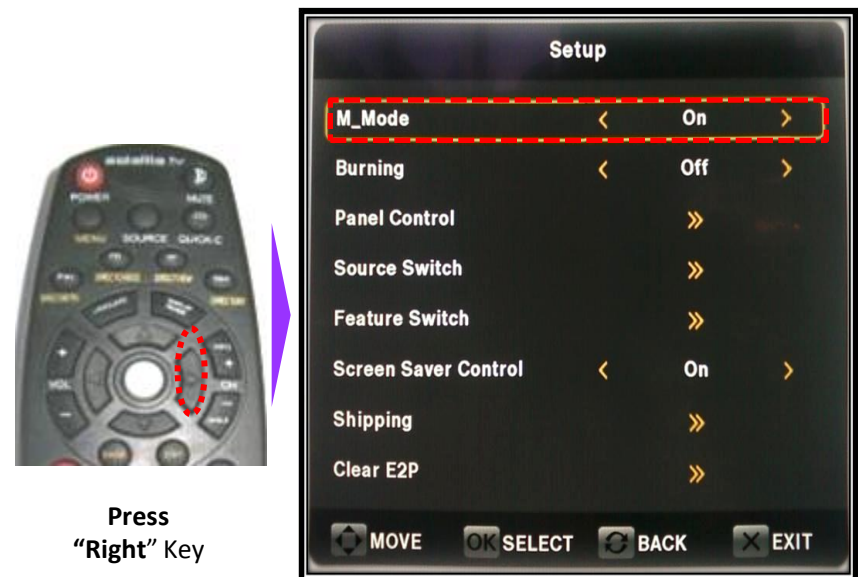


**Step 14:-** Selected Setup in Service Menu (Factory Menu) using Navigation Keys

Use Right Navigation Key or “OK” Key to Enter in to the “**Setup Sub Menu**”

Ensure **M\_Mode Should be “ON”** use Right / Left Navigation Keys to select M\_ Mode ON /OFF

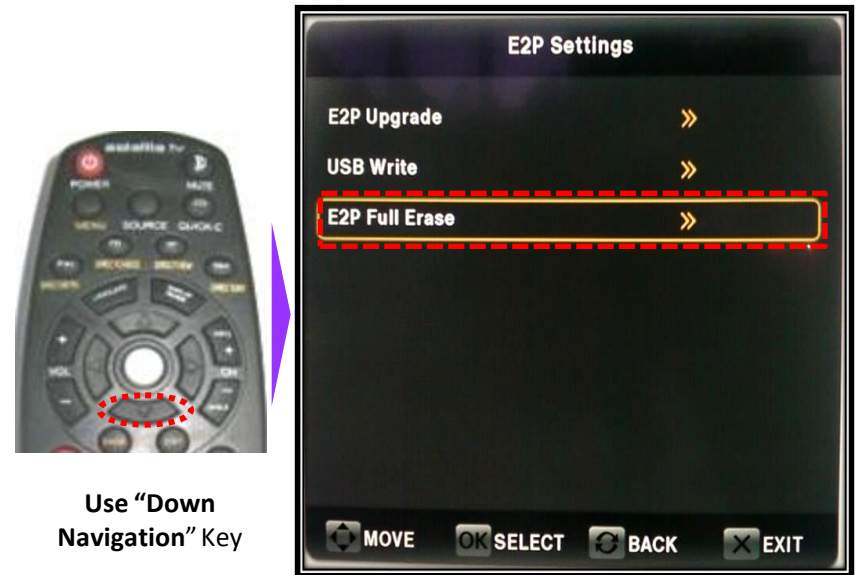
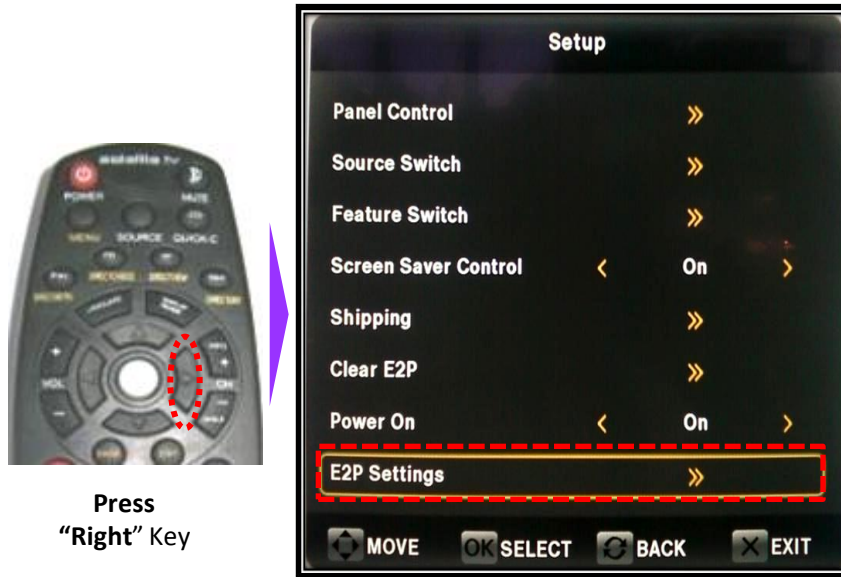
Select E2P Setting’s using Down Navigation Key



**Step 15:-** Selected E2P Settings in Service Menu (Factory Menu) using Navigation Keys

Use Right Navigation Key or “OK” Key to Enter in to the “E2P Settings Sub Menu”

Select “Full Erase Option” Using Down Navigation Key



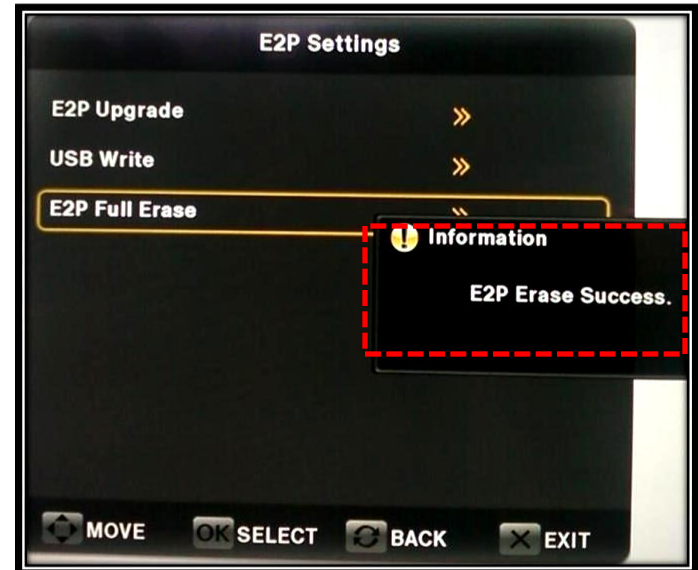
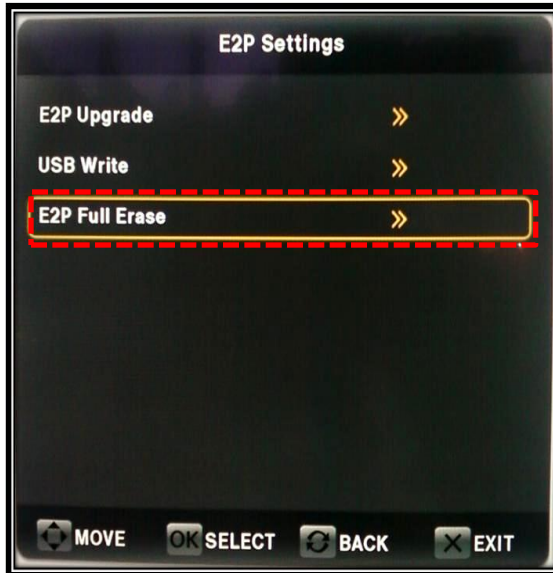
**Step 16:-** Selected E2P Full Erase settings in Service Menu using Navigation Keys

Use Right Navigation Key or "OK" Key to Erase the Existing E2P Development Software

Once it is Erased POP UP will be Displayed as "E2P ERASE SUCCESS"



Press  
"Right" Key





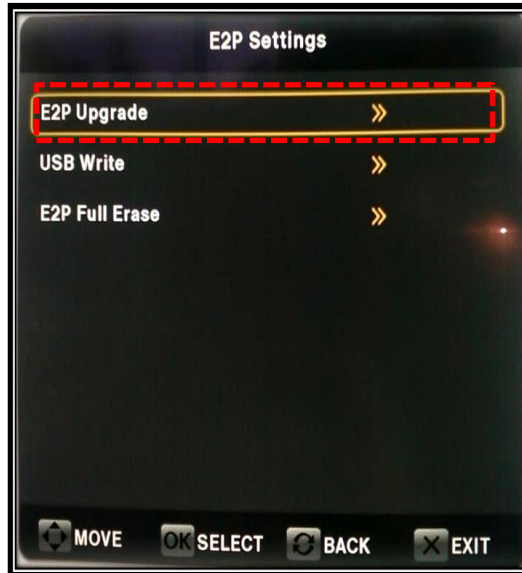
**Step 17:-** Selected E2P Upgrade settings in Service Menu using Navigation Keys

Use Right Navigation Key or “OK” Key to Upgrade E2P Software

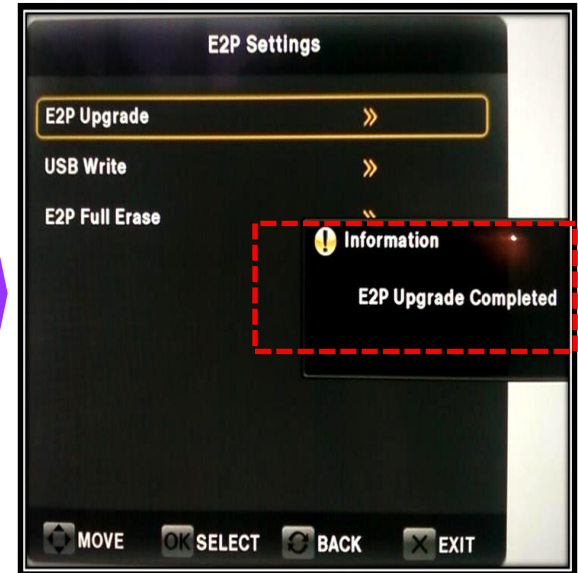
Once it is Upgraded POP UP will be Displayed as **“E2P UPGRADE COMPLETED”**



Use Up  
Navigation” Key



Press  
“Right” Key



**Step 18:-** Once the E2P Upgrade is Completed

Press Exit Key on Remote to Main Screen from Service Menu

**Switch OFF DDB TV** Directly Remove Power Plug from mains Supply Board



Press Exit Key"  
Key



**Step 19:-** Remove USB from the DDB TV USB Port



**Step 20:-** Press Power Key on the Remote to Switch on the DDB TV



Press Power Key”



**7510 & 7512**



Press  
“Quick -C” Key

**7525**

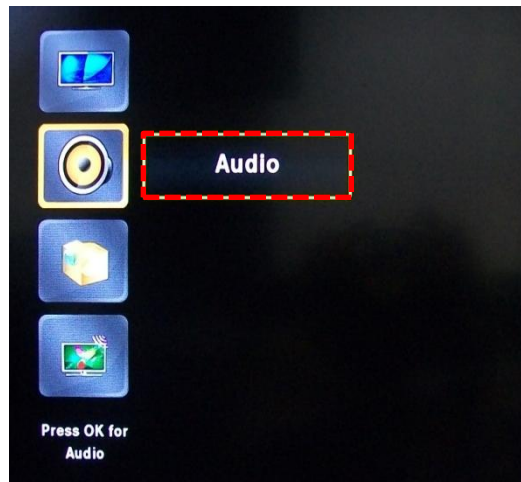


Press “TV  
Menu” Key

**Step 21 :-** Press the **QUICK-C** key of remote control  
Select Audio Option using Navigation Key



Press  
“Quick C” Key



**Step 22:-** Press Numeric Keys “8532” on remote control  
Factory Menu will be displayed



Press  
“8532” Key

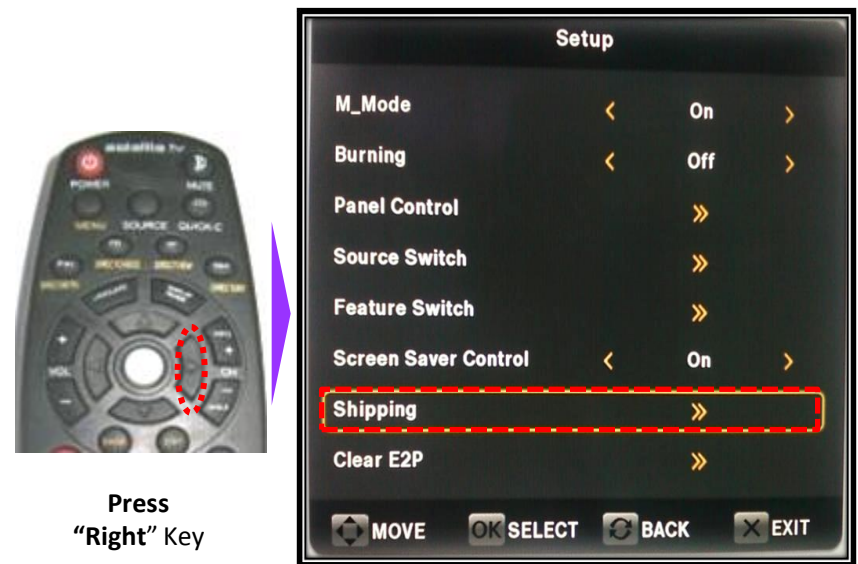


**Step 23:-** Selected Setup in Service Menu (Factory Menu) using Navigation Keys

Use Right Navigation Key or “OK” Key to Enter in to the “**Setup Sub Menu**”

Select **Shipping Option** using Down Navigation Key

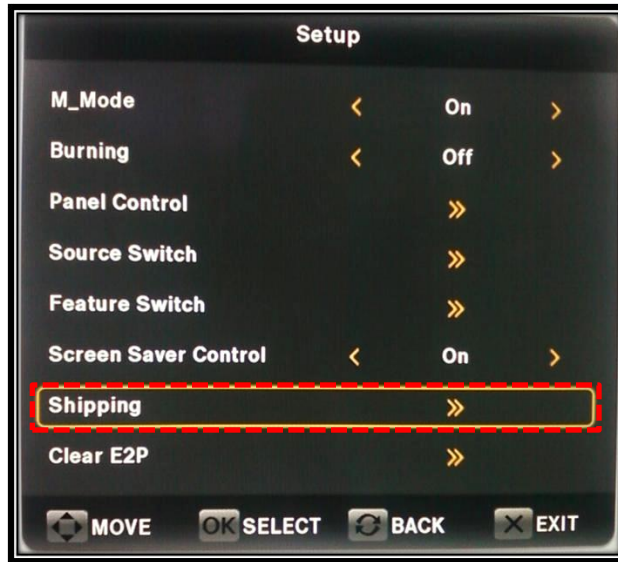
Select E2P Setting’s using Down Navigation Key



**Step 24:-** Selected Shipping Option in Service Menu (Factory Menu) using Navigation Keys  
Use Right Navigation Key or “OK” Key for “Shipping (Set for Default Settings)”  
Pop up will be Displayed “Set Default Successful”



Use Navigation Keys



**Note :-** Once the Shipping is Completed Set will Reboot  
and Automatically will go to Stand by Mode  
Red will LED will glow in Stand by Mode



**Step 25:-** Press Power Key on the Remote to Switch on the DDB TV



Press Power Key”



**7510 & 7512**



Press  
“Quick -C” Key

**7525**



Press “TV  
Menu” Key

**Step 26:-** Press the **QUICK-C** key of remote control  
Select Audio Option using Navigation Key



Press  
“Quick C” Key



**Step 27:-** Press Numeric Keys “**8532**” on remote  
control Factory Menu will be displayed



Press  
“8532” Key



**Step 28:-** Select **“Secure Boot Status” Option** in Service Menu (Factory Menu) using Navigation Keys

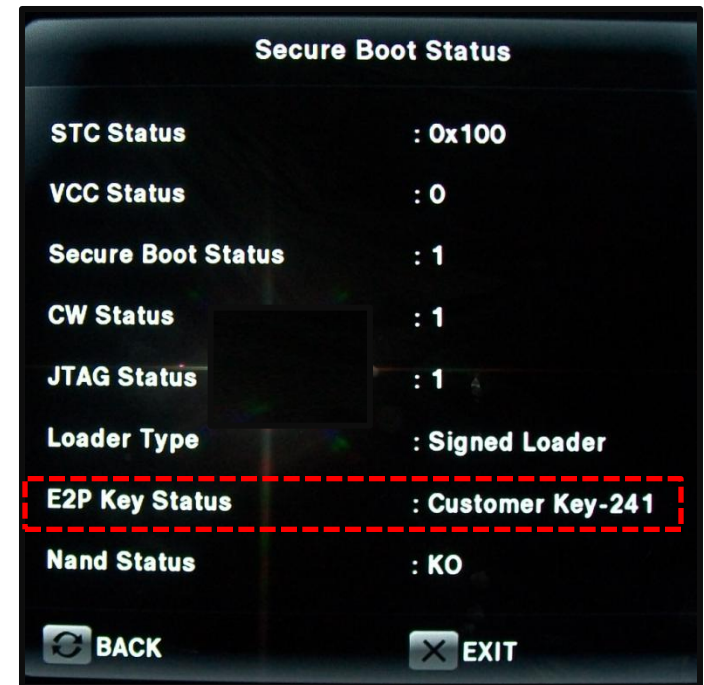
Use Right Navigation Key or **“OK”** Key to Enter in to the **“Secure Boot Status”**

Ensure E2P Key Status Should show 's as **“Customer Key – 241”**

(this means Production E2P is Upgraded Successfully)



Use Navigation”  
Key's



**Note :-** If Customer Key show's as **199** then we have upgrade Production E2P Once again.

If Production E2P is Not Upgraded Properly then OTA software will not take Automatically .



Thank You

