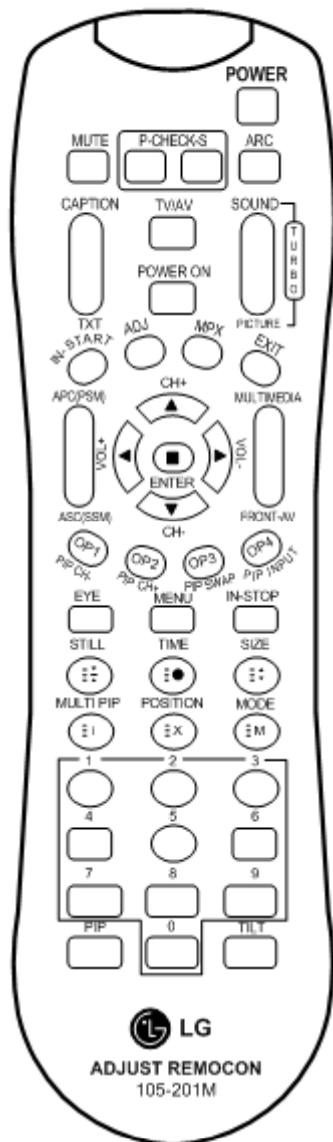


Accessing the Service Menu



105-201M

To access the Service Menu.

- 1) You must have either Service Remote. p/n 105-201M or p/n MKJ39170828
- 2) Press “In-Start”
- 3) A Password screen appears.
- 4) Enter the Password.

Note: A Password is required to enter the Service Menu. Enter; **0000**

Note: If **0000** does not work use **0413**.



MKJ39170828

47LX9500 In Start Service Menu 1st Page

Bring up the Service Menu using the Service Remote
And pressing "In-Start" enter password 0000 or 0413.

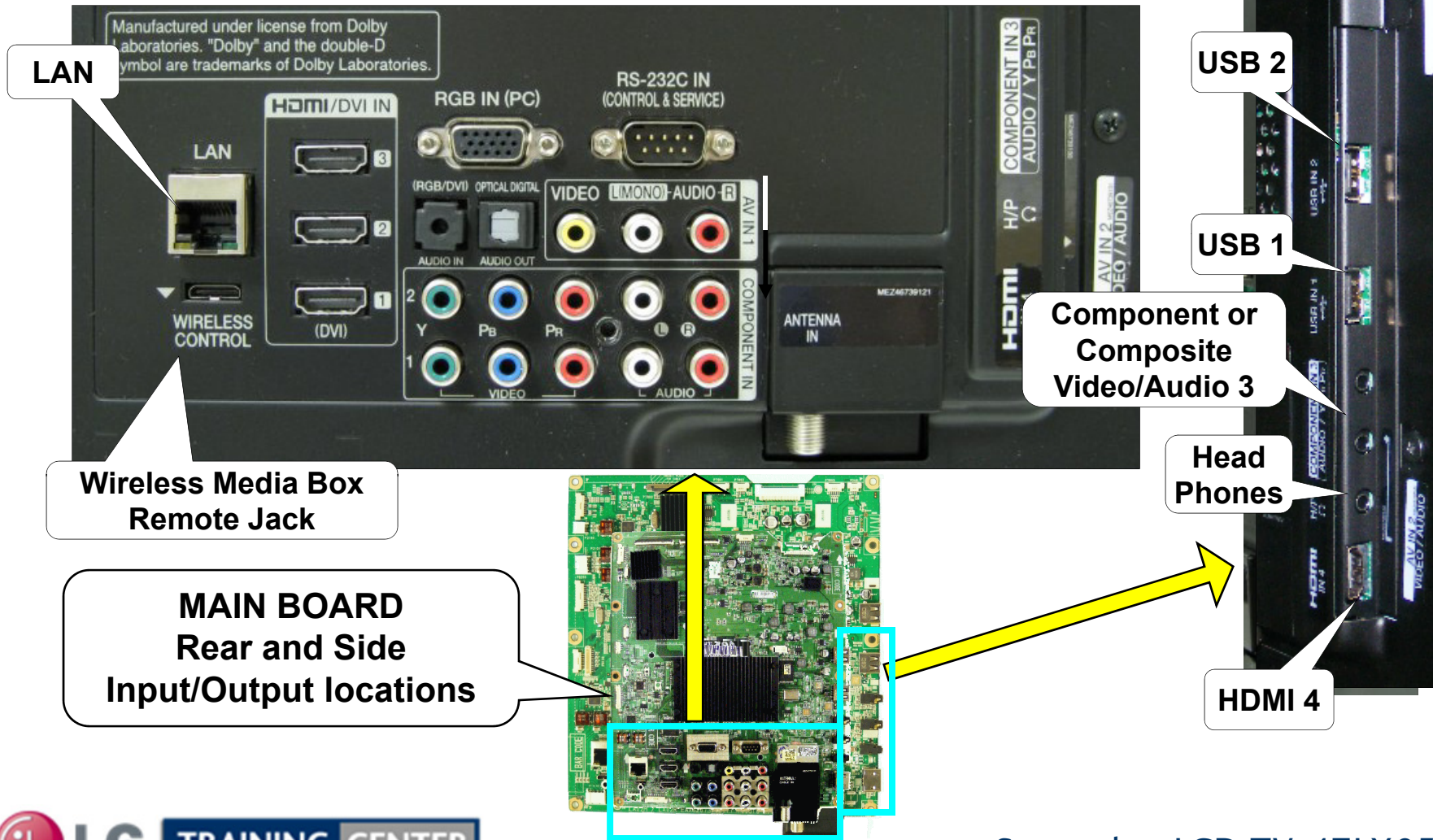
IN SART		Adjust Check	
Model Name: 47LX9500-UA	SW Version	1. Adjust Check	1. Country Group (Press OK to Save)
S/W Version: 003PTFX6T475		2. ADC Data	Country Group Code
S/W Version : 02.00.02.01		3. Power Off Status	02
MICOM Version : 3.04.9		4. System 1	Country Group
BOOT Version : 1.03.13		5. System 2	US
FRC Version : 12.95		6. Model Number D/L	Country
IR LED Version : 34		7. Test Option	US
EDID Version (RGB) : 0.01	Video Processor	8. External ADC	2. Tool Option
EDID Version (HDMI) : 0.03		9. Spread Spectrum	Tool Option 1
Chip Type : BCM 3549		10. Sync Level	33760
Wireless Host Ver. : 0.00.0		11. Wireless Ready	Tool Option 2
Wireless B/B/ Ver. : 0.00.0		12. Stable Count	30283
Vi-Fi Version : 1.0		13. ODC Test	Tool Option 3
Vi-Fi Channel : 1		14. Local Dimming	56364
Wi-Fi MAC : 00:E0:91:D0:1A:5D			Tool Option 4
MAC Address : 00:E0:91:D8:63:9F			5549
ESN Num. : LGE-LX6500XXXXXXXXXXXXXX			Tool Option 5
Local Dimming Ver. : 0x0704			1794
FPGA Version : 3.03	Electronic Serial Number		3. Adjust White Balance: OK(12)
Debug Status : RELEASE			4. Adjust ADC: OK
UTT : 16	Unit's Total Time		4809 Component
APP History Ver.:34829			OK
PQL DB:LGD_IF_CHB_XXXXXX			1080p Component
			OK
			RGB
			OK
			5. EDID(AC3): OK
			RGB
			OK (0x1D)
			OK (0x4,0x22)
			OK (0x4,0x12)
			OK (0x4,0x2)
			OK (0x4,0xF2)

TV Rear Input / Output Jacks

USB1 or USB2 for Software Upgrades, Wireless Dongle, Music and Photos

Side In/Out

Rear In/Out Jacks

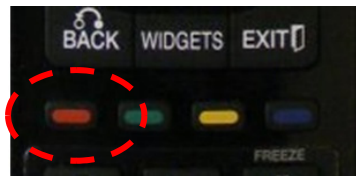


Software Updates (New and Changed Functions)

A wireless Internet Connection will work for Automatic Software Downloads., however if there are problems completing download, a Wired Internet Connection is preferred

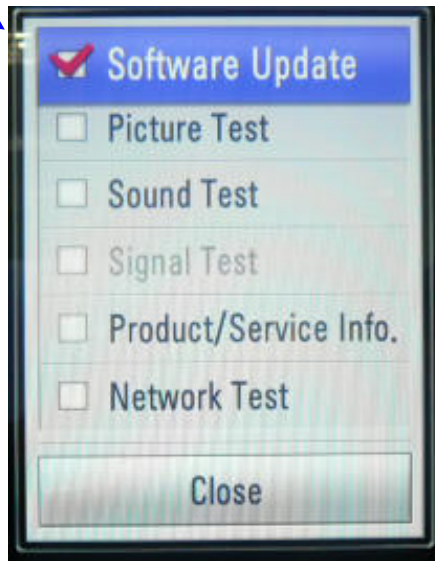


For network setup assistance, press the green button for the Simple Manual

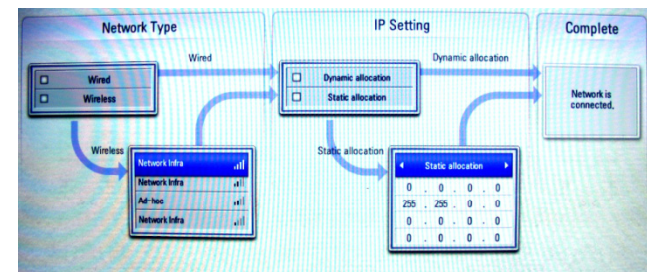


Bring up the Customer's Menu then Press the Red button on Remote

With Software Update Highlighted, Press Select on Remote

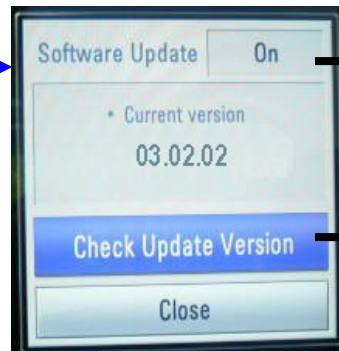
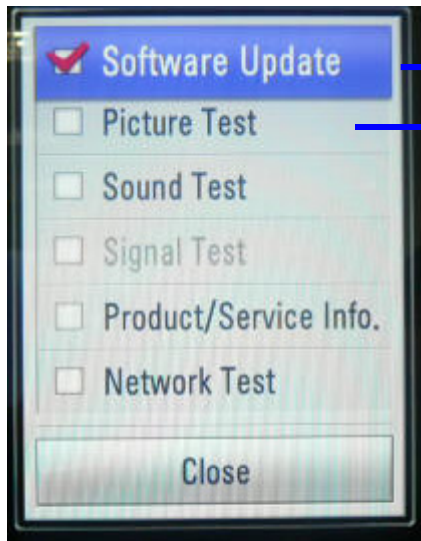


Scroll down to item 9 Network Connections



Continue on next page

Software Updates (New and Changed Functions) Continued

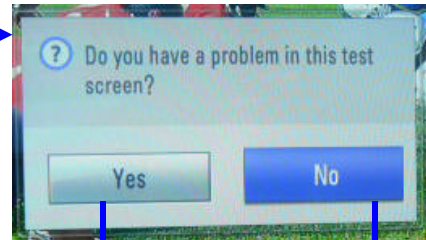


Automatic Internet Software Update

- Off : Automatic Software update does not work
- On : if new Software released, Software download notice appears at turn on with two choices, Yes and Remind Me Later.

Check Update version

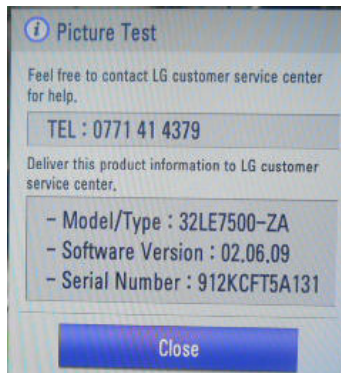
- comparison current software version and Released software version



Additional TV Checks can be made by Scrolling down.

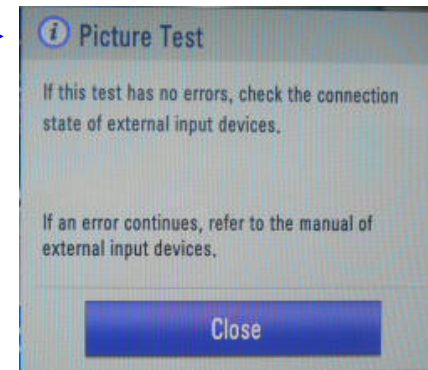
Picture, Sound and Network Test

After completion of the test, a Pop up menu is displayed with preloaded back ground picture. Select NO if everything is OK.



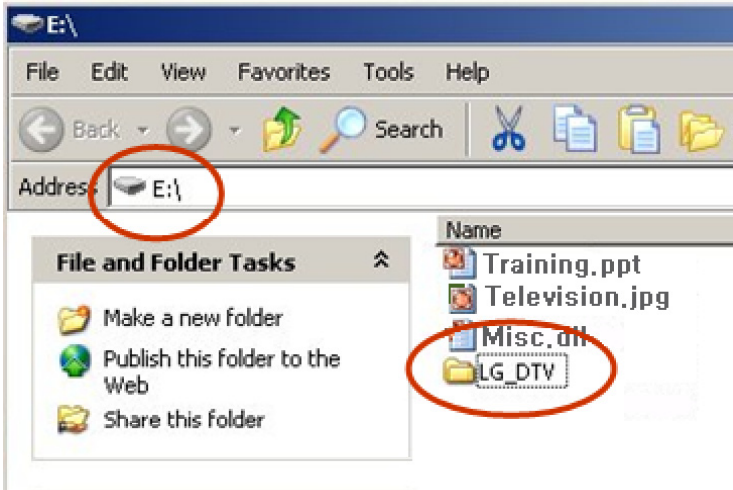
If you select Yes;
Service call number, Model name,
SW version and serial No. is displayed.
Note: Confirm the "Suffix" of the model
number.

If the Main board is replaced, the Model
and Serial number must be reinserted
into memory. See Model Number D/L.

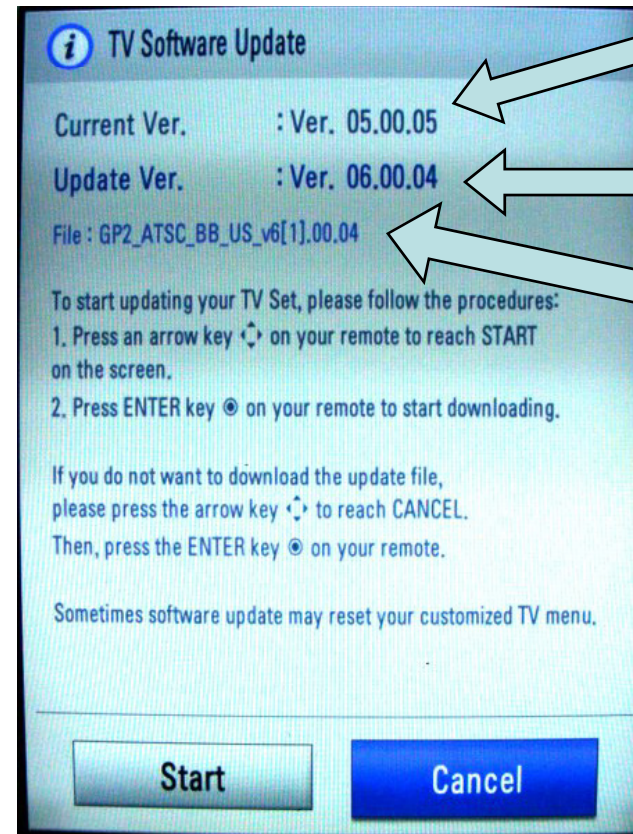


USB Automatic Software Download Instructions (Generic)

1) Create an LG_DTV folder on the USB Flash Drive



- 2) Copy new software (xxx.epk) to "LG_DTV" folder. Make sure to have correct software file.
- 3) With TV turned on, insert USB flash drive.
- 4) You can see the message "TV Software Upgrade" (See figure to right)
- 5) Cursor left and highlight "START" Button and push "Enter" button using the remote control.
- 6) You can see the download progress Bar.
- 7) Do not unplug until unit has automatically restarted.
- 8) When download is completed, you will see "COMPLETE".
- 9) Your TV will be restarted automatically.



Currently
Installed
Version

Software
Version
found on the
USB Flash
Drive

File found
on the USB
Flash Drive

* CAUTION:

**Do not remove AC power or the USB Flash Drive.
Do not turn off Power, during the upgrade
process.**

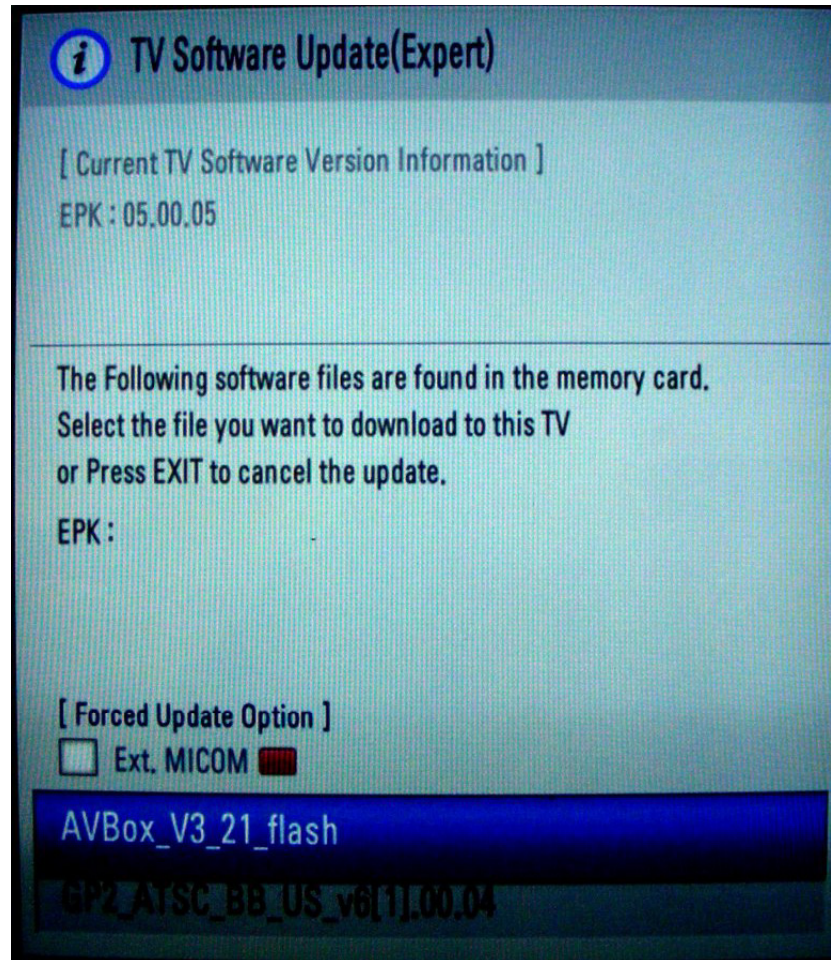
**Software Files are now available from
LGTechassist.com**

Manual Software Download Instructions: Generic

Prepare the Jump Drive as described in the “USB Automatic Download” section and insert it into either of the USB ports. Bring up the Customer’s Menu and scroll to “OPTIONS”. Press the “FAV” key 7 times to bring up the Manual Download Screen.

Highlight the Software update file and press “SELECT” to begin the download process.

Example of files found
On the Jump Drive



WARNING:
Use extreme Caution when using the Manual “Forced” Download Menu. Any file can be downloaded when selected and may cause the Main board to become inoperative if the incorrect file was selected.

47LX9500 Model Number Download Screen

Bring up the Service Menu using the Service Remote.
Scroll down to item 6. Model Number D/L to highlight.
Press "Select" or "Cursor Right".

Change the Model and Serial Number to match.
To Change the Model Number
Use the cursor right or left to select the area to change.
Use the cursor up or down to change.
Cursor right until there is no text cursor blinking.
Scroll down to highlight "Serial Number" and change.

<ol style="list-style-type: none">1. Adjust Check2. ADC Data3. Power Off Status4. System 15. System 26. Model Number D/L7. Test Option8. External ADC9. Spread Spectrum10. Sync Level11. Wireless Ready12. Stable Count13. ODC Test14. Local Dimming	Model Number D/L	
	0. Model Name	47LX9500-UA
	1. Serial Num.	003PTFX6T475
	Press OK to Save	

47LX9500 UTT Reset (In-Start) Screen

IN SART	IN SART	SYSTEM 1	
Model Name: 47LX9500-UA	1. Adjust Check	0. Baudrate	9600
S/W Version: 003PTFX6T475	2. ADC Data	1. 2 Hours Off (On Timer)	On
S/W Version : 02.00.02.01	3. Power Off Status	2. 2 Hours Off (Screen Mute)	Off
MICOM Version : 3.04.9	4. System 1 ▶	3. 15Min Force Off	On
BOOT Version : 1.03.13	5. System 2	4. Audio EQ	On
FRC Version : 12.95	6. Model Number D/L	5. Audio Bass EQ	On
IR LED Version : 34	7. Test Option	6. A2 Threshold	11
EDID Version (RGB) : 0.01	8. External ADC	7. HDMI Sound(Port1)	HDMI Port1
EDID Version (HDMI) : 0.03	9. Spread Spectrum	8. Lip Sync Adjust(ATV)	0
Chip Type : BCM 3549	10. Sync Level	9. Dimming	On
Wireless Host Ver. : 0.00.0	11. Wireless Ready	10. Tuner Option	Enhanced Ghost
Wireless B/B/ Ver. : 0.00.0	12. Stable Count	11. Atten RF Signal	Off
Vi-Fi Version : 1.0	13. ODC Test	12. UTT Reset	Reset
Vi-Fi Channel : 1	14. Local Dimming	13. Channel Mute	On
Wi-Fi MAC : 00:E0:91:D0:1A:5D		14. Debug Status	RELEASE
MAC Address : 00:E0:91:D8:63:9F		15. NVRAM Type	EEPROM
ESN Num. : LGE-LX6500XXXXXXXXXXXXXXXXXX		16. HDEV	Off
Local Dimming Ver. : 0x0704		17. Blue back	On
FPGA Version : 3.03		18. China Cable SO	On
Debug Status : RELEASE		19. Booster On (VHF)	0
		20. Booster Off (VHF)	0
		21. Booster On (UHF)	0
		22. Booster Off (UHF)	0
UTT : 16 Unit Total Time			
APP History Ver.:34829			
PQL DB:LGD_IF_CHB_XXXXXX			

Scroll to
(System 1)
then
Right Cursor

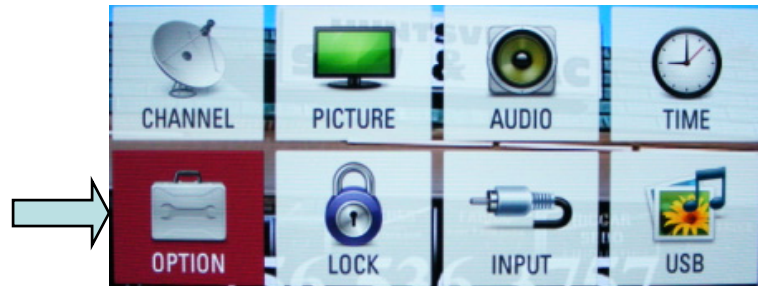
Scroll to
(UTT Reset)
Press (Select)
Reset changes to Doing
then back to Reset

After Reset (Doing) has
completed, Reset returns.
After Exit the UTT Timer is
"0"

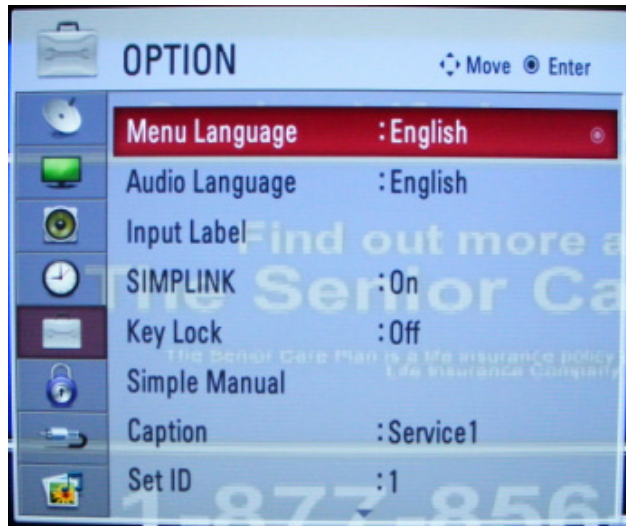
Accessing the Host Diagnostic Screen (Page 1 of 2)

1) Place Television on a digital channel.

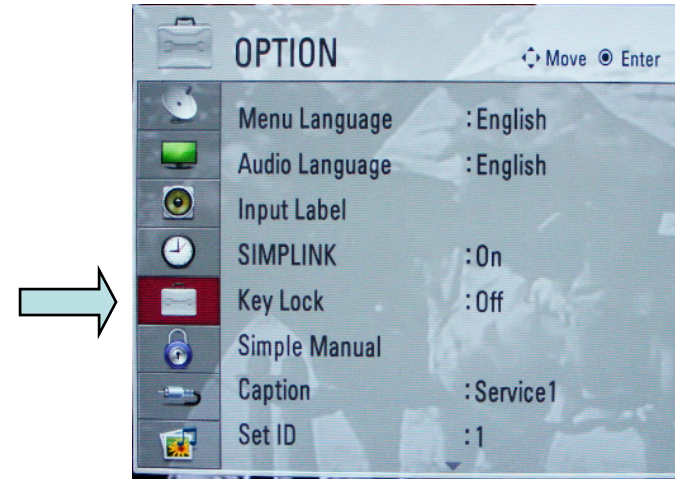
2) Bring up the Customer's Menu and highlight Options



3) The Option Menu appears



4) Cursor Left to only highlight the briefcase on the left.



5) Press the (1) Key 5 to 8 times.



See next page for more details.

Understanding the Host Diagnostic Screen (Page 2 of 2)

Host Diagnostics

<p style="text-align: center; color: #e67e22;">Host Information</p> <p>Model Name : 47LX9500-UA (Liquid Crystal Display)</p> <hr/> <p style="text-align: center; color: #e67e22;">Memory</p> <p>FLASH : 524288 KB DRAM : 524288 KB NVM : 128 KB</p> <hr/> <p style="text-align: center; color: #e67e22;">Host Release Version</p> <p>Firmware Version(MP) : 5.00.05.01(51822) Micom Version : 3.06.5 Compile Date & Time : 20101112 & 15:17:49 Compile User : kyuhae.lee</p> <hr/> <p style="text-align: center; color: #e67e22;">FAT Status (Main)</p> <p>Center Frequency : 663.00 MHz PCR lock : Locked Modulation mode : QAM 256 Carrier lock status : Locked SNR : 40 dB Signal level : 100%</p> <hr/> <p style="text-align: center; color: #e67e22;">Current Channel (Main)</p>	<p style="text-align: center; color: #e67e22;">DVI/HDMI Status</p> <p>Can't display this information now</p> <hr/> <p>Wireless Host Ver:0.00.0 Wireless B/B Ver:0.00.0 RF Region Config : Not Configured Media Box Type : Not Configured RF Frequency (Value):Auto (N.A.) Uplink RF Power gain (Value):Auto (Min 0) Downlink RF Power gain (Value):Auto Link Mode : Unicast RX MAC Address : ff:ff:ff:ff:ff:ff TX MAC Address : ff:ff:ff:ff:ff:ff Wireless connection status:Disconnected Signal SNR [db]:0.0(0)</p>
---	--

◀ ▶ Half Page CH ⬆ ⬇ ⬆ Move Page ⏪ Exit

Channel Selected → Channel Info : Digital 19-2

Blocked or not Blocked → Parental Control : Channel is not blocked

Software Version → Firmware Version(MP) : 5.00.05.01(51822)

Channel Frequency → Center Frequency : 663.00 MHz

Program Clock Reference (Locked or No) → PCR lock : Locked

Channel Type (8VSB, QAM 64, 256) → Modulation mode : QAM 256

Channel (Locked or No) → Carrier lock status : Locked

Channel Signal to Noise Ratio → SNR : 40 dB

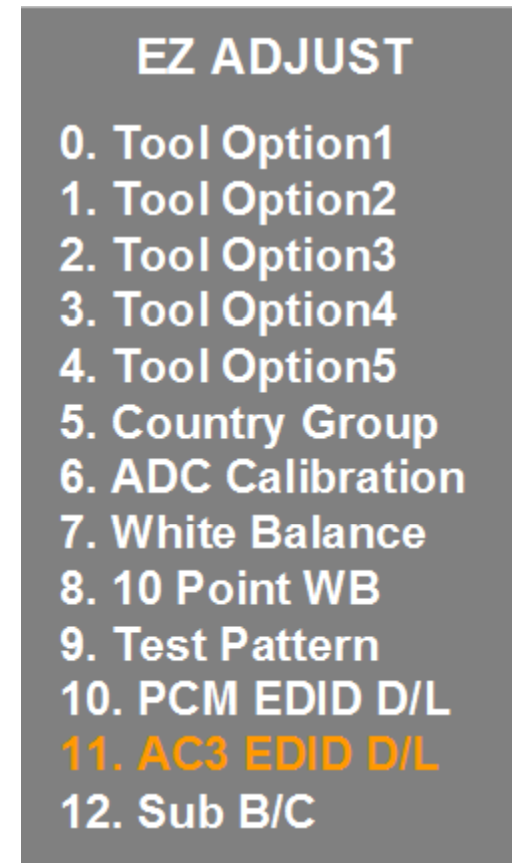
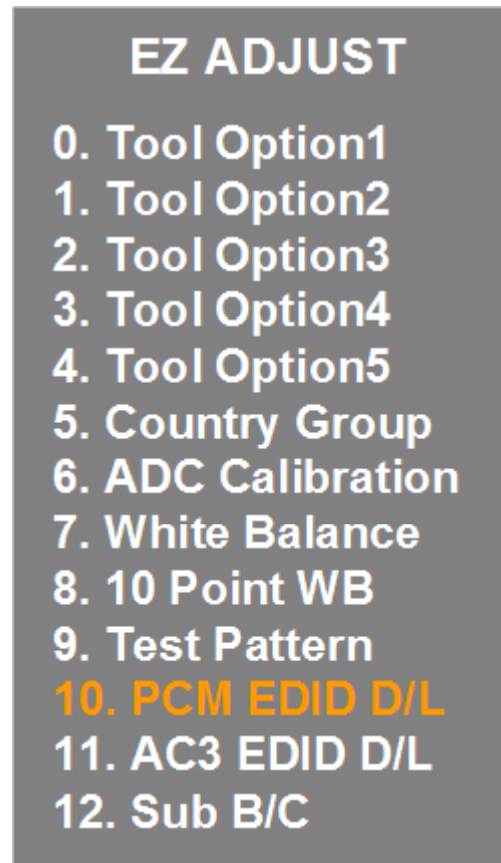
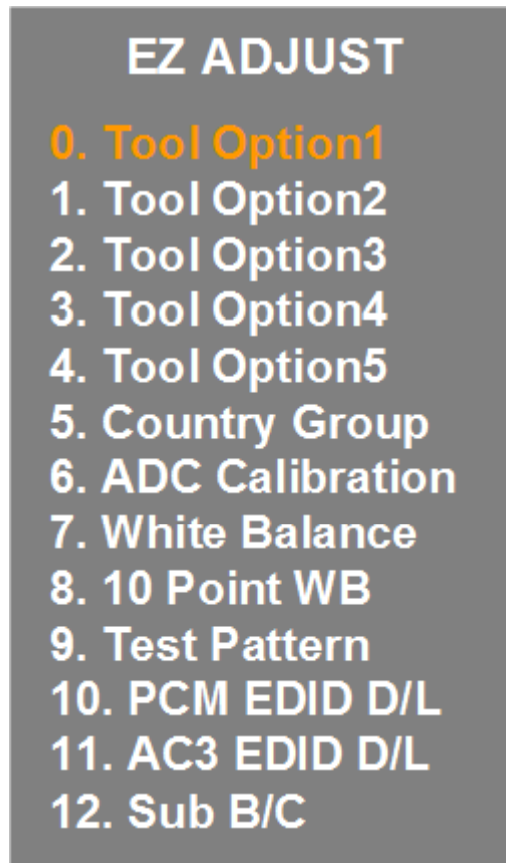
Channel Signal Level (Above 80% good) → Signal level : 100%

**8VSB (Above 20 is good)
QAM 64 (Above 24 is good)
QAM 256 (Above 30 is good)**

Service Menu: Downloading EDID Data Pg 1 of 2

1) Press “ADJ” key.

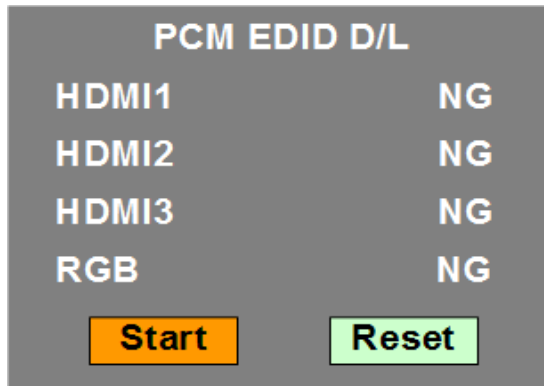
2) Select menu,
Either “PCM EDID D/L” or AC3 EDID D/L



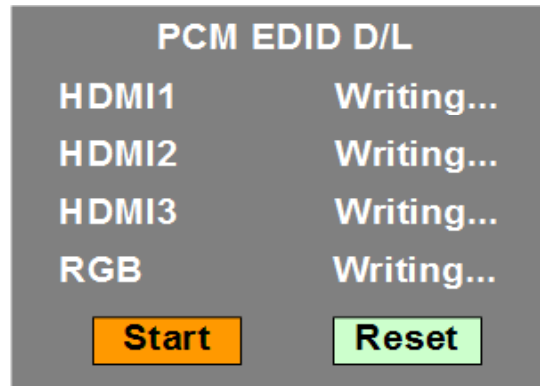
Service Menu: Downloading EDID Data Pg 2 of 2

3) Highlight “Start”
then Press “Select” key.

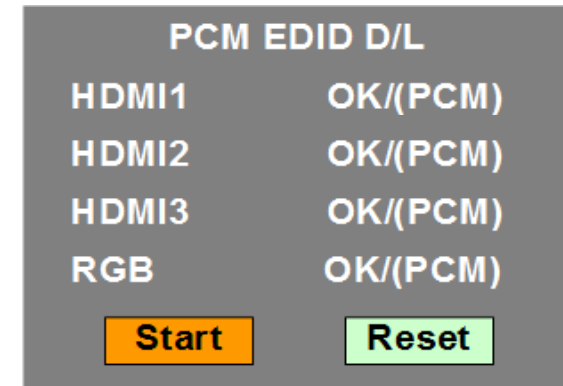
When PCM EDID D/L was selected



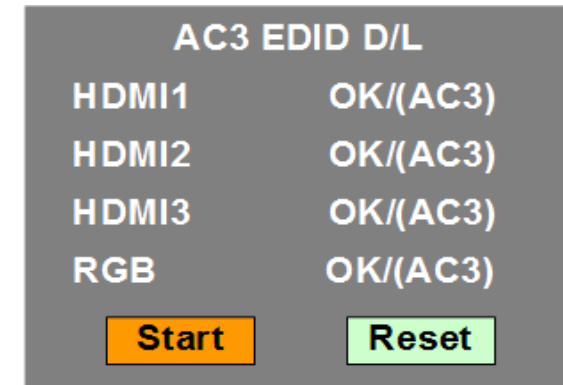
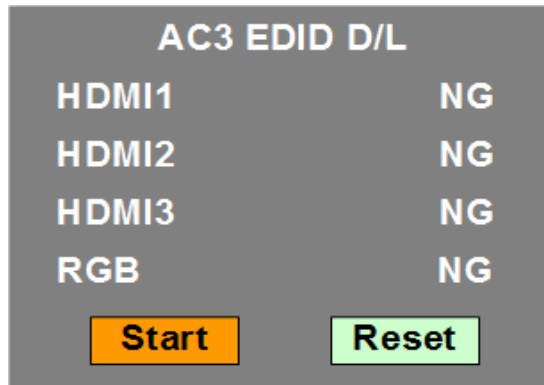
4) When Writing appears
Downloading in progress



5) Downloading Complete



When AC3 EDID D/L was selected



Note: When PCM is downloaded, AC3 will be N/G and when AC3 is downloaded PCM will be N/G. This means that when PCM is OK, PCM audio is priority and when AC3 is OK, AC3 audio is priority.