



# OWNER'S MANUAL

## ULTRA HD Upgrade Kit

### Installation Guide

Please read this manual carefully before operating your set and retain it for future reference.

AP-HV400

P/NO : MFL67706403 (I312-REV01)  
Printed in Korea



[www.lg.com](http://www.lg.com)

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## ABOUT UPGRADE KIT

This ULTRA HD Upgrade Kit allows the playback of ULTRA HD Video content on LG ULTRA HD TV'S.

ENGLISH

## PREPARATION

### Unpacking



ULTRA HD  
Upgrader



Y Cable



Velcro sticker



Owner's  
manual



USB memory  
stick  
(TV Software  
file)

## INSTALLATION

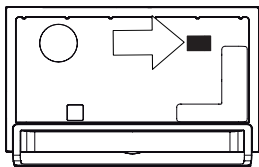
This section on INSTALLATION mainly uses diagrams for the 65LA9700 model.

### Updating TV software

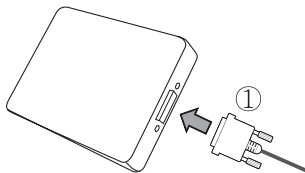
- 1 Connect the supplied USB to TV. The software update is started automatically.
- 2 When the update is completed, TV is restarted.

### Setting up the upgrade kit

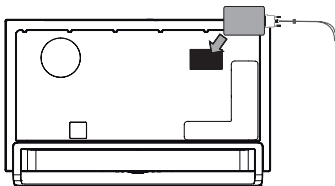
- 1 Attach the velcro sticker on back of TV as shown below.



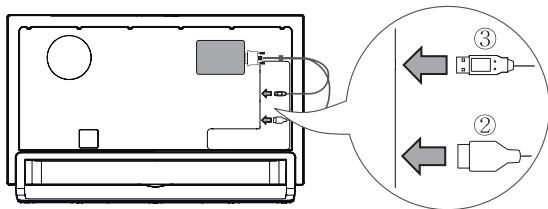
- 2 Connect the "1" cable to the jack as shown below.



- 3 Attach the upgrader on the TV (by using velcro sticker).



- 4 Connect the "2" cable end connector to HDMI input jack on TV.
- 5 Connect the "3" cable end connector to USB input jack on TV.



### Playing contents

- 1 Connect the USB (flash) device to TV to supply content.  
The [Linked device] appears in SmartShare List and when Pop Up appears press [YES].
- 2 When [ULTRA HD Upgrade kit is connected] Pop up appears.  
Select content/file and it will commence to play.

### SmartShare™ supporting file

- Maximum data transfer rate :  
ULTRA HD [Depending on model]
  - 3840 X 2160 (H.264 L5.1) : 50 Mbps (megabit per second)
  - 3840 X 2160 (H.265 L5.0) : 25 Mbps (megabit per second)
- Internal subtitle formats supported :  
ULTRA HD [Depending on model]
  - It does not support internal subtitles.

**Video Supported Codec**

- Maximum :  
ULTRA HD [Depending on model] : 3840 x 2160 @ 30p

Extension	Codec	
.mkv / .mp4 / .ts	Video	H.264/AVC
	Audio	Dolby Digital, Dolby Digital Plus, AAC, HE-AAC
.ts	Video	H.264(HEVC)
	Audio	Dolby Digital, Dolby Digital Plus, AAC, HE-AAC

- The Video Supported Codecs above can be changed afterward.
- It does not support the H.264 ts file. (Only 84LM96\*\*)

**! WARNING**

- Playing video
  - It supports the playback through USB only.
  - Only the .mp4, .mkv, .ts file extensions are supported.
  - LG ULTRA HD TV may not be compatible with certain types of HEVC codec contents.
  - TV software update may enable new type of HEVC codec.

**! NOTE**

- Updating TV software first before setting up the upgrade kit.  
Only one ULTRA HD upgrade kit is supported.

**SPECIFICATION**

<b>Model Name</b>	AP-HV400
<b>Dimensions (mm)</b>	128 (W) x 99 (H) x 23 (D)
<b>Weight (g)</b>	200
<b>Host interface</b>	USB 2.0
<b>A/V Out</b>	1 Port
<b>Power Consumption</b>	4 W



