Quick Setup Guide

To register this product please visit
www.samsung.com/register.

List of Parts

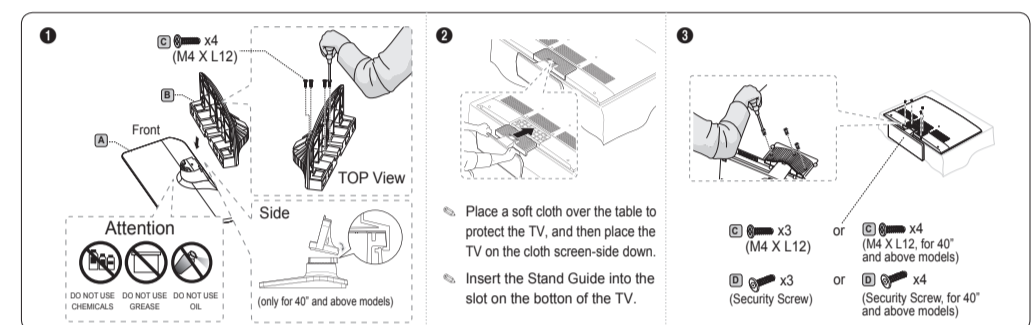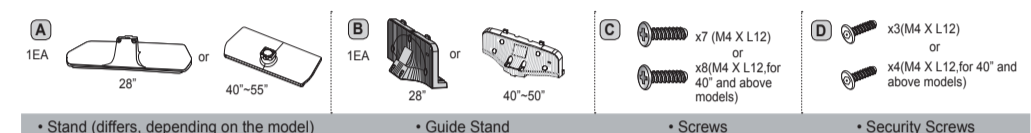|		
❶ Remote Control AA59-00817A & Batteries (AAA x 2)	❷ Power Cord	❸ Owner's Instructions Safety Guide
❹ Holder-Wire stand 1(EA)	❺ Data Cable (BN39-00865B,BN39-01011C)	❻ Hotel Mount Kit

del
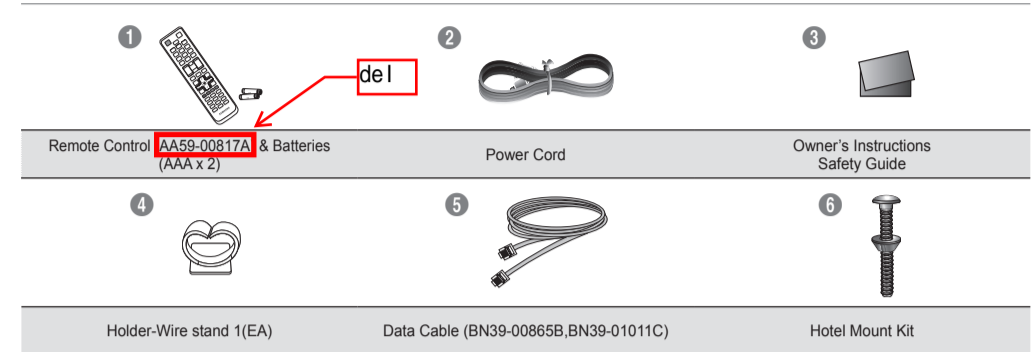
Installing the LED TV Stand

♦ HG28ND670 / HG40ND670 / HG48ND670 / HG28ND677 / HG40ND677 / HG48ND677 / HG55ND677

Components
When installing the stand, use the provided components and parts.

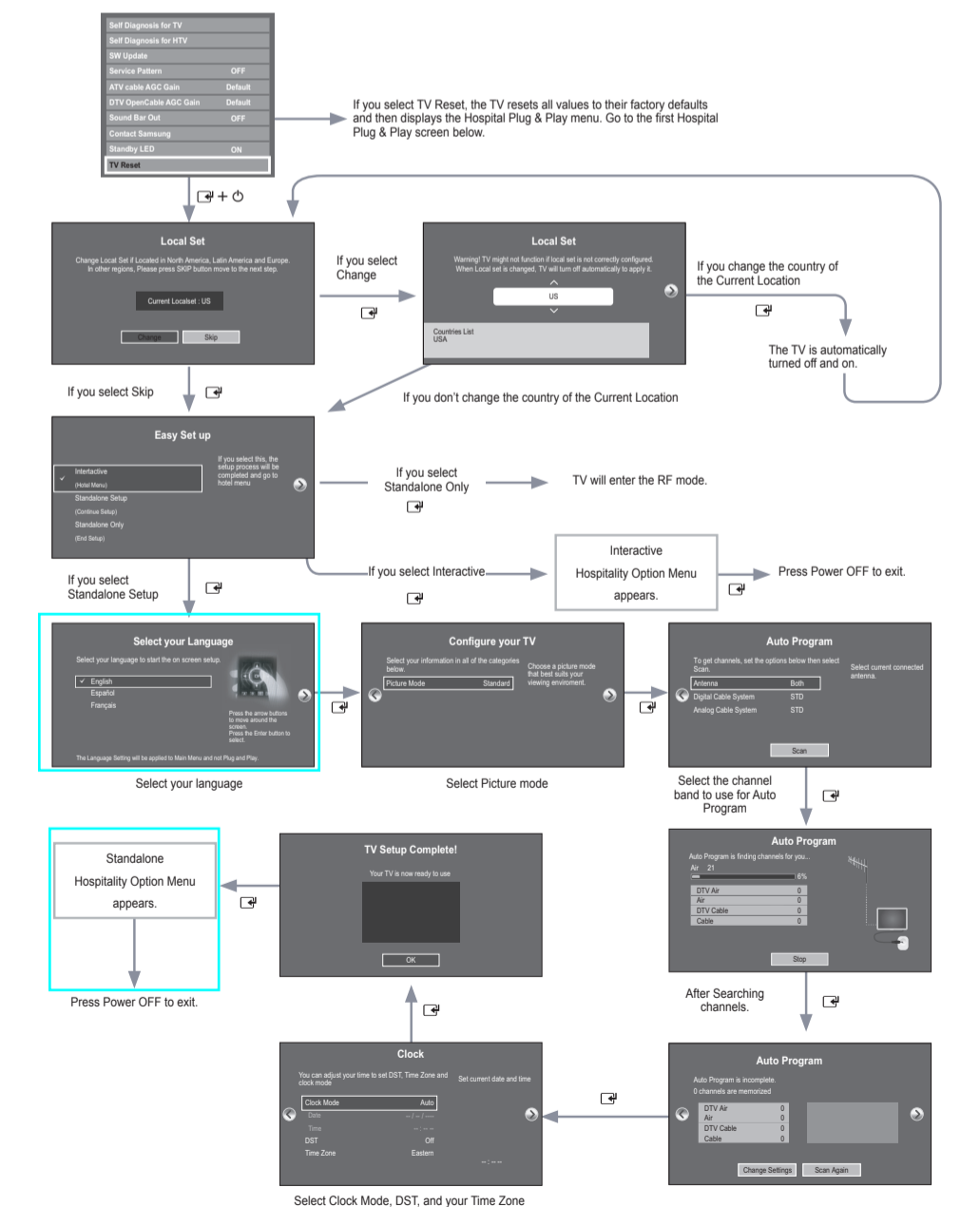| A 1EA	or 28" or 40"~55"	B 1EA	or 28" or 40"~50"	C x7 (M4 X L12) or x8(M4 X L12,for 40" and above models)	D x3(M4 X L12) or x4(M4 X L12,for 40" and above models)
• Stand (differs, depending on the model)		• Guide Stand		• Screws	• Security Screws

❶ Front / Side / TOP View / Attention
❷
❸

✎ Make sure to distinguish between the front and back of the Stand and Stand Guide when connecting them.
✎ Make sure that at least two people lift and move the LED TV.
✎ When connecting the stand, lay the product down on a soft surface, with the screen facing down, and then fasten the screws.
✎ The number of screws may differ depending on the model.

BN68-07039G-X0

♦ **Assembling the swivel**
The 40" and larger LED TVs have swivel stands. You can set these stands so that the TV swivels 20 degrees left and right, 60 degrees left and right, or 90 degrees left and right.

20° swivel
To configure the TV so that it swivels 20° left and right, insert the prong on the bottom of the stand through the curved hole in the Bracket Holder Swivel marked 20°. Then, fix the Bracket Holder Swivel to the stand using the three supplied screws as shown to the left.

60° swivel
To configure the TV so that it swivels 60° left and right, insert the prong on the bottom of the stand through the curved hole in the Bracket Holder Swivel marked 60°. Then, fix the Bracket Holder Swivel to the stand using the three supplied screws as shown to the left.

90° swivel
To configure the TV so that it swivels 90° left and right, remove the Bracket Holder Swivel, and then screw the three supplied screws into the stand as shown to the left.

♦ **Hotel Mount Kit**

Short Bolt (2EA) | Long Bolt (2EA)
Nut (2EA) | Washer (2EA)
Bolt + Nut

Affix the stand to a flat surface such as a dresser top, desk top, or entertainment center as shown.

WARNING: To prevent injury, you must attach this TV securely to the floor, a table, a dresser top, etc. with the Hotel Mount Kit as described in these instructions.

Viewing the Connection Panel

- SIDE - / - SIDE -
40"/48"/55" MODEL USE | 28" MODEL USE

➣ The product color and shape may vary depending on the model.

❶ HDMI IN 1, 2(DVI), 3(ARC)
❷ USB (5V 0.5A) / CLONING
❸ VIDEO / L-AUDIO-R
❹ EX-LINK
❺ AUDIO OUT
❻ ANT IN (AIR/CABLE)
❼ DATA

Notice When in Hotel mode (Interactive or Standalone), all Channel menu items in the Menu OSD except for the Channel List are deactivated. If you need to change the channel line up, use the Channel Setup item in the Hotel options menu.

TV Controller

The TV's Controller, a small joy stick like button on the rear right side of the TV, lets you control the TV without the remote control.

Selecting the Media Play
Selecting the Menu
Select a source. | Function menu
Return
Power off
Remote control sensor

TV Controller
The image is drawn as if you are facing the front side of the TV.

✎ The product color and shape may vary depending on the model.
✎ To exit the menu, press the Controller for more than 1 second.
✎ When selecting a function by moving the controller up/down/left/right, be sure not to press up on the controller. If you press up first, it will not operate correctly.

Standby mode
Your TV enters Standby mode when you turn it off and continues to consume a small amount of electric power. To be safe and to decrease power consumption, do not leave your TV in standby mode for long periods of time (when you are away on vacation, for example). It is best to unplug the power cord.

Connecting the TV with an SBB or STB

1. Connect the [DATA] jack of the TV to the [ETH MODEM] jack of the STB (SBB) with the data cable.
   ✎ The "ETH MODEM" jack name that you connect the Data Cable to may differ depending on the SBB or STB type.

List of Vendors and Compatible Data Cables Supplied with the TV

♦ Refer to the code label on the data cable.

Vendor	Cable code
Samsung OCC	BN39-00865B
Enseo Guest-Tek	BN39-00865B
NXTV	BN39-01011B
nStreams	BN39-01110A
MTI	BN39-01011C

Note the labeled end. Confirm the code on the Code Label. Note the labeled end.

Hotel Plug & Play

The Hotel Plug & Play function, which automatically performs the Hospital Mode selection, Country Setup, Clock Setup, and Picture Mode Setup, runs once when power is first turned ON. Setup also runs automatically after you have executed a Service Reset.

♦ **Hospital Plug & Play OSD**
– Initially highlighted: Interactive
– If you select the Standalone Only button, Standalone hospital mode is set by default and the "Standalone mode is set" OSD appears for 3 seconds.
– TV enters into RF mode automatically after displaying the "Standalone mode is set" OSD for 3 seconds.
– If you select Interactive mode, the Interactive Setup Menu is displayed. Press the power off key to exit the Interactive menu.
– If you select Standalone setup mode, the "Select Menu Language" OSD appears.

♦ **Local Set**
– Initially highlighted: US
– If you press the Enter key after selecting Change, you can change the country.
– If the country is changed, the TV automatically turns off and on.
– If you select the incorrect country, execute TV Reset again after entering the Service section of the Hospital Menu.

♦ **Select Menu Language OSD**
– If you select Standalone setup from the "Select Hospital TV Mode" OSD, the "Select Menu Language" OSD appears.
– Initially highlighted: English
– Display time: OSD time out and operation are the same as Samsung's consumer TV models.
– If you press the Enter key, the "Picture Mode" OSD appears.

♦ **Picture Mode OSD**
– Initially highlighted: Standard.
– The TV displays the Picture Mode OSD where you can choose Dynamic or Standard Picture mode.

♦ **Auto Search Mode OSD**
– If you press the Enter key, the TV automatically searches for channels.
– The OSD Display time, which starts when the Auto Store operation is completed and continues until the Auto Sort function starts, is 30 seconds.

♦ **Set Clock Mode, DST(Daylight saving time), and Time Zone OSD**
– Initially highlighted: Clock Mode : Auto, DST : Off, Time Zone : Eastern
– If the TV will be tuned to digital broadcast channels, and these channels transmit date and time information, set the Clock Mode to Auto. The TV will set the date and time automatically.
– If the TV will not be tuned to digital broadcast channels, set the Clock Mode to Manual, and then set the date and time on the TV manually.
– Set DST On or Off to apply or not apply daylight saving time to the TV.
– Select your time zone on the map appears.

exactly refer to excel sheet 2

♦ **UI Scenario**

If you select TV Reset, the TV resets all values to their factory defaults and then displays the Hospital Plug & Play menu. Go to the first Hospital Plug & Play screen below.

Local Set
Change Local Set if posted in North America, Latin America and Europe, in other regions. Please press SHIFT button once in the next step.

If you select Change / If you change the country of the Current Location
The TV is automatically turned off and on.

If you select Skip / If you don't change the country of the Current Location

Easy Set up
If you select Standalone Only / TV will enter the RF mode.
If you select Interactive / Interactive Hospitality Option Menu appears. / Press Power OFF to exit.

If you select Standalone Setup

Standalone Hospitality Option Menu appears.
Press Power OFF to exit.

Select your Language / Select your language
Configure your TV / Select Picture mode
Auto Program / Select the channel band to use for Auto Program

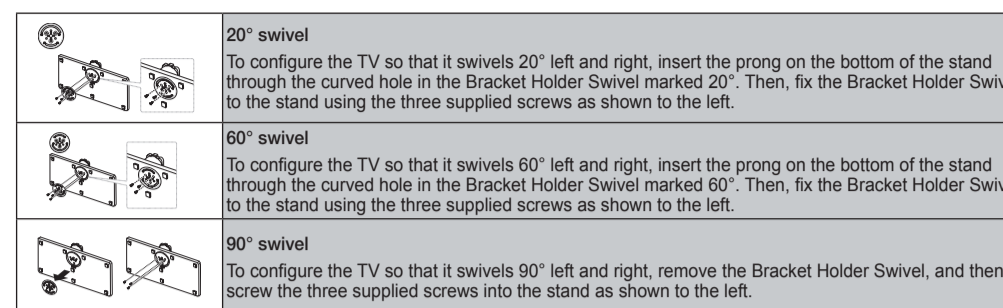**Clock** / Select Clock Mode, DST, and your Time Zone

Sound Bar
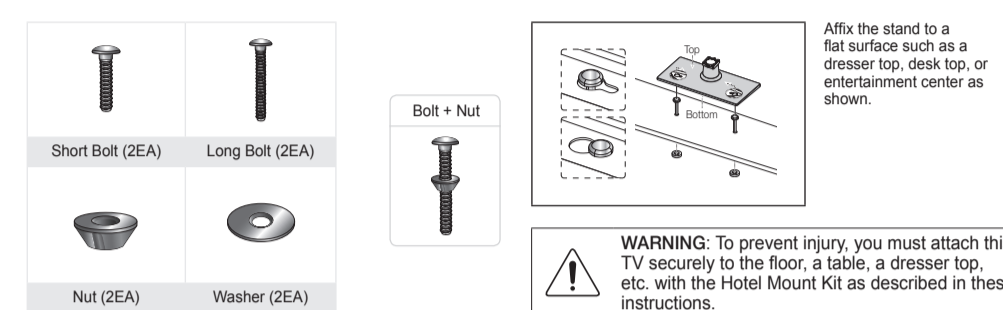
♦ **Samsung Sound-Bars and Hotel TVs in 2015**
1. Samsung Sound-Bars and hospitality TVs support the ARC feature in HDMI 1.4. If you connect a compatible Samsung Sound-Bar to a compatible Samsung hospitality TV using a single HDMI cable, guests can listen to the TV's sound through the Sound-Bar.

2. The item of Sound bar Out in Hospitality Option Menu makes you control to where the TV sound is outputted when the TV is turned on.
   – If Sound bar Out is On, the TV sound is automatically outputted in the Sound Bar device only whenever TV is turned on.
   – If Sound bar Out is Off, the TV sound is automatically outputted in the TV speaker only whenever TV is turned on.
3. Models supporting the ARC function are listed below:
   – Sound-Bars: HW-E350/E450/E550
   HW-F350/F355/FM35/F450/FM45/FM45C/ F550/F551/FM55/FM55C/F750/F75
♦ **Setting the Sound-Bar to Hotel Mode.**
4. Set the following Hotel menu options:
   – Hotel option > System > Sound Bar Out = On.
   – Hotel option > Power On > Power On Volume = User Defined.
   – Hotel option > Power On > Power On Volume Num > Set greater than 0.
   – Hotel option > Power On > Max Volume > Set greater than 0.
5. Connect an HDMI cable from the HDMI OUT jack at the back of the Sound-Bar to the HDMI3 port (supporting ARC) on the hospitality TV.
6. After the Sound-Bar is connected to the hospitality TV, when the TV turns on, the Sound-Bar automatically detects the TV, and then automatically switches to Hotel Mode.

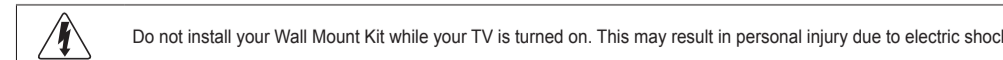**Sound Bar Hotel mode functional characteristics:**
– Power On/Off is synchronized with the TV
– HDMI_CEC defaults to On
– Functions through the "HDMI OUT" port only
– Disables the "Input mode" key on the VFD to prevent unexpected audio-source changes.
– Acquires adjustable Power On and Max Volume settings from the TV's Hotel option menu. The Sound-Bar's Power On Volume and Max Volume values, however, are ½ of the Power On Volume and Max Volume settings in the TV's Hotel options menu.
   Example: If the TV's Power On Volume=20 and Max Volume=90, then the Sound Bar's Power On Volume=10 and Max Volume=45.

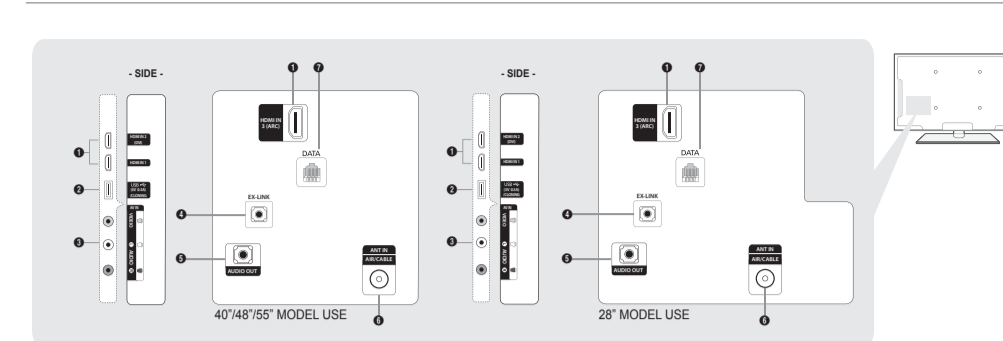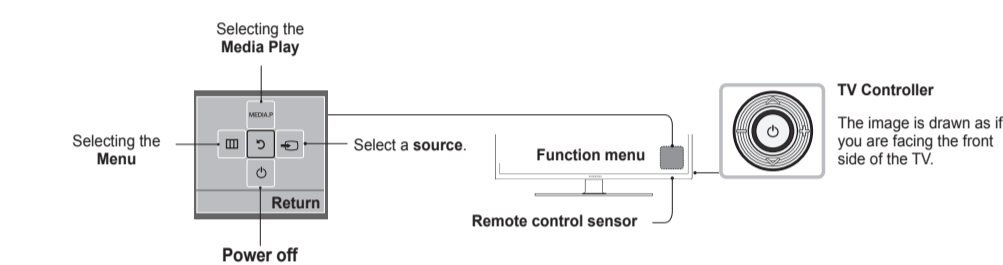## Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor. If you are attaching the wall mount to building materials other than plaster board, contact your nearest dealer. If installed on a ceiling or slanted wall, the TV may fall and cause serious personal injury.

➣ Standard dimensions for wall mount kits are shown in the table below.
➣ Samsung wall mount kits contain a detailed installation manual. All parts necessary for assembly are provided.
➣ Do not use screws that do not comply with the VESA standard screw specifications.
➣ Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
➣ For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
➣ Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
➣ Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
➣ Do not mount the TV at more than a 15 degree tilt.
➣ Always have two people mount the TV onto a wall.

Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw (Length* Pitch in mm)	Quantity
LED-TV	28	100 × 100	M4	4
	40	200 × 200		
	48 - 55	400 × 400	M8	

Do not install your Wall Mount Kit while your TV is turned on. This may result in personal injury due to electric shock.

Licence

DOLBY DIGITAL PLUS
Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

dts Premium Sound | 5.1
Manufactured under a license from U.S. Patent No's: 5,956,674, 5,974,380, 5,978,762, 6,487,535, 6,226,616, 7,212,872, 7,003,467, 7,272,567, 7,668,723, 7,392,195, 7,930,184, 7,333,929 and 7,548,853. DTS, the Symbol, and DTS and the Symbol together are registered trademarks & DTS Premium Sound is a trademark of DTS, Inc. ©2012 DTS, Inc. All Rights Reserved.

dts Studio Sound
Manufactured under a license from U.S. Patent No's: 6,285,767, 8,027,477, 5,319,713, 5,333,201, 5,638,452, 5,771,295, 5,970,152, 5,912,976, 7,200,236, 7,492,907, 8,050,434, 7,720,240, 7,031,474, 7,907,736 and 7,764,802. DTS, the Symbol, and DTS and the Symbol together are registered trademarks & DTS Studio Sound is a trademark of DTS, Inc. ©2012 DTS, Inc. All Rights Reserved.

HDMI
The terms HDMI and HDMI High-Defi nition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

DivX HD
DivX Certified® to play DivX® video up to HD 1080p, including premium content.

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that has passed rigorous testing to verify that it plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.
ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies.
To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.
DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.
Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274

Open Source License Notice
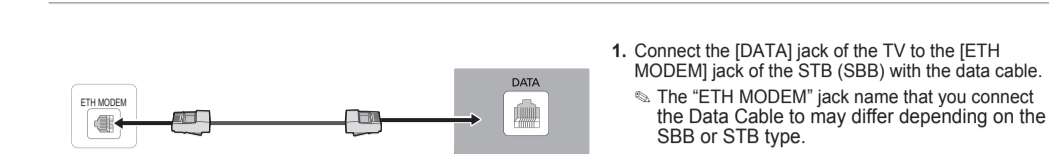Open Source used in this product can be found on the following webpage. (http://opensource.samsung.com)
Open Source License Notice is written only English.

Dimensions

HG28ND670 / HG28ND677

(unit: inchs)

	❶	❷	❸	❹	❺	❻	❼
HG28ND670 HG28ND677	25.3	24	13.7	15.6	17.1	6.4	2.5

HG40ND670 / HG40ND677 / HG48ND670 / HG48ND677 / HG55ND677

(unit: inchs)

	❶	❷	❸	❹	❺	❻	❼
HG40ND670 HG40ND677	35.7	34.9	19.7	21	22.7	8.9	2.6
HG48ND670 HG48ND677	42.3	41.6	23.4	24.7	26.5	8.9	2.6
HG55ND677	48.4	47.6	26.7	28.2	30.0	8.9	2.5

Specifications

Environmental onsiderations	
Operating Temperature	50°F to 104°F (10°C to 40°C)
Operating Humidity	10% to 80%, non-condensing
Storage Temperature	-4°F to 113°F (-20°C to 45°C)
Storage Humidity	5% to 95%, non-condensing
Model Name	HG28ND670 / HG28ND677
Display Resolution	1366 x 768
Screen Size (Diagonal)	28" Class (28.0" measured diagonally)
Sound (Output)	5W x 2
Dimensions (WxDxH) Body	25.3 x 2.5 x 15.6 inches (643.4 x 62.9 x 396.5(mm))
With stand	25.3 x 6.4 x 17.1 inches (643.4 x 163.4 x 435.0(mm))
Weight Without Stand	8.6lbs (3.9kg)
With Stand	9.5lbs (4.3kg)
Stand Swivel (Left / Right)	0°

Model Name	HG40ND670 / HG40ND677	HG48ND670 / HG48ND677	HG55ND677
Display Resolution	1920 x 1080		
Screen Size (Diagonal)	40" Class (40.0" measured diagonally)	48" Class (47.6" measured diagonally)	55" Class (54.6" measured diagonally)
Sound (Output)	10W x 2		
Dimensions (WxDxH) Body	35.7 x 2.6 x 21.0 inches (906.6 x 65.1 x 532.9(mm))	42.3 x 2.6 x 24.7 inches (1075.1 x 65.5 x 627.5(mm))	48.4 x 2.5 x 28.2 inches (1230.6 x 64.0 x 718.4(mm))
With stand	35.7 x 8.9 x 22.71 inches (906.6 x 226.5 x 577.6(mm))	42.3 x 8.9 x 26.5 inches (1075.1 x 226.5 x 673.5(mm))	48.4 x 8.9 x 30.0 inches (1230.6 x 226.5 x 762.8(mm))
Weight Without Stand	16.8lbs(7.6kg)	24.0lbs(10.9kg)	34.6lbs(15.7kg)
With Stand	23.1lbs(10.5kg)	30.6lbs(13.9kg)	41.0lbs(18.6kg)
Stand Swivel (Left / Right)	20° / 60° / 90°		

➣ Design and specifications are subject to change without prior notice.
➣ This device is a Class B digital apparatus.

WARNING: This product contains chemicals known to the State of California to cause cancer and reproductive toxicity.

8.2 bs(3.8kg)
9.3 bs(4.2kg)
48" *55"*