

Registering Magic Remote Control

How to register the Magic Remote Control


To use the Magic Remote, first pair it with your TV.


- Put batteries into the Magic Remote and turn the TV on.
- Point the Magic Remote at your TV and press the  Wheel (OK) on the remote control.

* If the TV fails to register the Magic Remote, try again after turning the TV off and back on.

How to deregister the Magic Remote Control




Press the  (BACK) and  (HOME) buttons at the same time, for five seconds, to unpair the Magic Remote with your TV.

* Pressing and holding the  button will let you cancel and re-register Magic Remote at the same time.

-  Do not mix new batteries with old batteries. This may cause the batteries to overheat and leak.
- Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution.
- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly due to environmental considerations. Please contact your local authorities for disposal or recycling information.
- Batteries inside or inside the product shall not be exposed to excessive heat such as sunshine, fire or the like.

User Guide

For more information about this TV, read the USER GUIDE embedded in the product.

- To open the USER GUIDE   [Support]  [User Guide]

Troubleshooting

Cannot control the TV with the remote control.

- Check if anything such as tape has been placed over the receiver.
- Check if there is any obstacle between the product and the remote control.
- Replace the batteries with new fresh ones.

No image display and no sound is produced.

- Check if the product is turned on.
- Check if the power cord is connected to a wall outlet.
- Check if there is a problem in the wall outlet by connecting other products.

Specifications

Product specifications may be changed without prior notice due to upgrade of product functions.

Estimated yearly energy consumption indicated on the FTC label is measured in accordance with the Test Procedures for Television Sets (USA only).

The actual energy consumption depends on the usage environment (The content watched, TV settings, etc.).

- For information of the power supply and power consumption, refer to the label attached to the product.
 - The typical power consumption is measured in accordance with IEC 62087 or each country's energy regulations.
 - On some models, the label is inside the external device connection terminal cover.
 - Depending upon the model or country, the typical power consumption may not be on label.

| (Depending upon country) | |
|-----------------------------------|--|
| Broadcasting Specifications | |
| Television system | ATSC / NTSC-M, 64 & 256 QAM |
| Program coverage (Band) | VHF 2-13, UHF 14-69, DTV 2-69, CATV 1-135, CADTV 1-135 |
| External antenna impedance | 75 Ω |

| (For UN85 Series) | |
|--|----------------------------|
| Wireless module (LGSBWAC92) Specifications | |
| Wireless LAN (IEEE 802.11a/b/g/n/ac) | |
| Frequency Range | Output Power (Max.) |
| 2,400 to 2,483.5 MHz 5,150 to 5,725 MHz 5,725 to 5,850 MHz | 18 dBm 18 dBm 18 dBm |
| Bluetooth | |
| Frequency Range | Output Power (Max.) |
| 2,400 to 2,483.5 MHz | 8 dBm |
| As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table. For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and the body. FCC ID: BEJLGSBWAC92 IC: 2703H-LGSBWAC92 | |

The TV turns off suddenly.

- Check the power control settings. The power supply may be interrupted.
- Check if the auto-off function is activated in the settings menu.
- If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.


Abnormal Display

- If the TV feels cold to the touch, there may be a small flicker when it is turned on. This is normal; there is nothing wrong with TV. Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the TV's performance. Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.
- This panel is an advanced product that contains millions of pixels. In a very few cases, you could see fine dots on the screen while you're viewing the TV. Those dots are deactivated pixels and do not affect the performance and reliability of the TV.
- Displaying a still image for a prolonged period of time may cause an image sticking. Avoid displaying a fixed image on the TV screen for a extended length of time.

Generated Sound

- Cracking noise** A cracking noise that occurs when watching or turning off the TV is generated by plastic thermal contraction due to temperature and humidity. This noise is common for products where thermal deformation is required.

- Electrical circuit humming/panel buzzing** A low level noise is generated from a high-speed switching circuit, which supplies a large amount of current to operate a product. It varies depending upon the product. This generated sound does not affect the performance and reliability of the product.

-  When cleaning the product, be careful not to allow any liquid or foreign objects to enter the gap between the upper, left or right side of the panel and the guide panel, (Depending upon model).



- Make sure to wring any excess water or cleaner from the cloth.
- Do not spray water or cleaner directly onto the TV screen.
- Make sure to spray just enough of water or cleaner onto a dry cloth to wipe the screen.

| (For UN71 / UN73 / UN80 Series) | |
|--|--------------------------------|
| Wireless module (LGSBWAC02) Specifications | |
| Wireless LAN (IEEE 802.11a/b/g/n/ac) | |
| Frequency Range | Output Power (Max.) |
| 2,400 to 2,483.5 MHz 5,150 to 5,725 MHz 5,725 to 5,850 MHz | 18.5 dBm 17 dBm 18.5 dBm |
| Bluetooth | |
| Frequency Range | Output Power (Max.) |
| 2,400 to 2,483.5 MHz | 8.5 dBm |
| As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table. For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and the body. FCC ID: BEJLGSBWAC02 IC: 2703H-LGSBWAC02 | |

| (For UN69 Series) | |
|--|------------------------------|
| Wireless module (LGSWFAC81) Specifications | |
| Wireless LAN (IEEE 802.11a/b/g/n/ac) | |
| Frequency Range | Output Power (Max.) |
| 2,400 to 2,483.5 MHz 5,150 to 5,725 MHz 5,725 to 5,850 MHz | 20 dBm 15 dBm 14.5 dBm |
| As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table. For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and the body. FCC ID: BEJLGSWFAC81 IC: 2703H-LGSWFAC81 | |

| Environment condition | |
|------------------------------|-----------------------------------|
| Operating Temperature | 0 °C to 40 °C (32 °F to 104 °F) |
| Operating Humidity | Less than 80 % |
| Storage Temperature | -20 °C to 60 °C (-4 °F to 140 °F) |
| Storage Humidity | Less than 85 % |

Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit *http://opensource.lge.com*.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

Licenses



Regulatory FCC NOTICE

(For USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and the receiver.
 - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radio Frequency Interference Requirements (for UNII devices)

(For USA)

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device. This device cannot be co-located with any other transmitter.

FCC RF Radiation Exposure Statement

(For USA)

(For having wireless function (WLAN, Bluetooth,...))

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

WARNING!

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

CHILD SAFETY: PROPER TELEVISION PLACEMENT MATTERS



THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer electronics industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your television, please note that all televisions – new and old- must be supported on proper stands or installed according to the manufacturer’s recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

TUNE IN TO SAFETY

- ALWAYS** follow the manufacturer’s recommendations for the safe installation of your television.
- ALWAYS** read and follow all instructions for proper use of your television.
- NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.

WALL OR CEILING MOUNT YOUR TELEVISION

- ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your television.
- ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by an independent laboratory (such as UL, CSA, ETL).
- ALWAYS** follow all instructions supplied by the television and mount manufacturers.
- ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.

MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- Many new television buyers move their older CRT televisions into a secondary room after the purchase of a flat-panel television. Special care should be made in the placement of older CRT televisions.
- ALWAYS** place your older CRT television on furniture that is sturdy and appropriate for its size and weight.
- NEVER** place your older CRT television on a dresser where children may be tempted to use the drawers to climb.
- ALWAYS** make sure your older CRT television does not hang over the edge of your furniture.









NOTE TO CABLE/TV INSTALLER

(For USA)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

Symbols

| | |
|---|-------------------------------------|
|  | Refers to alternating current (AC). |
|  | Refers to direct current (DC). |
|  | Refers to class II equipment. |
|  | Refers to stand-by. |
|  | Refers to "ON" (power). |
|  | Refers to dangerous voltage. |

LG Take-back & Recycling Policy

(For USA)

LG Electronics offers a customized e-waste take-back & recycling service that meets local needs and requirements in the countries where e-waste regulations are in place, and also provides product take-back & recycling service voluntarily in some regions. LG Electronics evaluates products' recyclability at the design step selectively, with the goal of improving recyclability where practicable. Through these activities, LG Electronics seeks to contribute to conserving natural resources and protecting the environment. For more information, please visit our global site at <https://www.lg.com/recycling>

REFURBISHED PRODUCT LIMITED NINETY DAYS WARRANTY

The ***Refurbished Product Service Center*** offers the following WARRANTY to the ORIGINAL purchaser of a product which we have refurbished.

This product that has been refurbished is warranted against any electronic or mechanical defects for a period of NINETY DAYS from the date of the original purchase by the consumer. Since this unit was sold as a refurbished item, the warranty does not apply to any cosmetic appearance items such as scratches. Should a defect occur, the ***Refurbished Product Service Center*** will repair or, at its option, replace defective unit/parts with new or rebuilt materials without charge for either parts or labor. Replacement unit/parts will be warranted for the remaining portion of the original warranty period.

This warranty does not cover installation or damage from accident, misuse, abuse, im-proper wiring, incorrect voltage, operating the unit against the instructions in the owner’s manual or any product which has been opened, altered, or tampered with.

This warranty does not cover costs for removal and or installation of the unit for repair. Under no circumstances shall the service center be liable for any special, incidental or consequential damages or for any other expenses incurred by reason of use or sale of this product. This warranty is in lieu of any other warranties expressed or implied warranty of merchantability of fitness for particular use or otherwise.

This warranty gives the consumer specific legal rights and they may also have other rights which vary from State to State. Some States do not follow the exclusion or limitation of incidental or consequential damages, hence the above exclusion and limitations may not apply.

Refurbished Product Service Center
13225 Marquardt Avenue Santa Fe Springs, CA 90670.

WARRANTY REPAIR INFORMATION

If you need service on your unit and this product requires repair during the 90 days warranty period; please go to **www.ConsumerServiceRefurbish.com** or call the ***Refurbished Product Service Center*** at 562-946-3531 to obtain the required return authorization (RA) number. Pack the unit properly (the original carton is ideal for this purpose) along with a copy of your purchase receipt and a letter describing the problem. Send the unit freight prepaid and insured to:

Refurbished Product Service Center,
Att: Customer Service Department 13225 Marquardt Avenue Santa Fe Springs, CA 90670

Your unit will be promptly repaired and returned to you. We will refuse to accept delivery of the returned unit unless the assigned RA number appears on the outside of the shipping carton.

Owner’s Information
(Keep for your permanent records)

NAME: _____

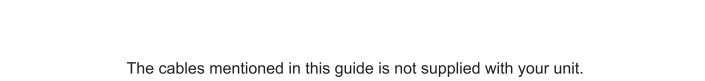
ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

PHONE: _____ E-MAIL: _____

MODEL: _____ SERIAL NO.: _____

Note: The image shown here is for illustrative purposes only and may be subject to change. The actual number of ports and their locations may vary depending on the model.

| |
|---|
|  |
| The cables mentioned in this guide is not supplied with your unit. |

| |
|---|
|  |
| The cables mentioned in this guide is not supplied with your unit. |

| | |
|---|---------------------------------|
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CE.org/safety

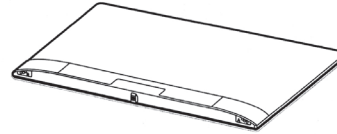




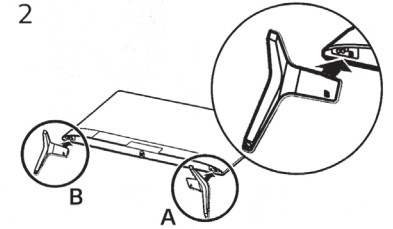
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|-------------|-------------|-------------|-------------|
| 49UN7100PUA | 55UN6950ZUA | 60UN6951ZUA | 65UN6900PUB |
| 49UN6900PUB | 55UN6951ZUA | 60UN6900PUB | 70UN6970PUA |
| 50UN6900PUC | 55UN7100PUA | 65UN6950ZUA | 70UN7100PUA |
| 50UN6950ZUF | 55UN6900PUB | 65UN6951ZUA | |
| 50UN6951ZUF | 60UN6950ZUA | 65UN7100PUA | |



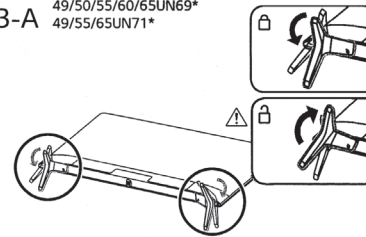
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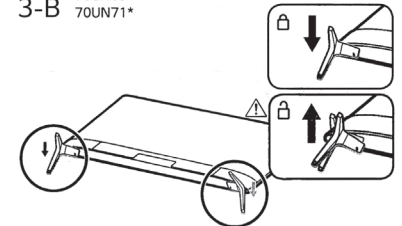
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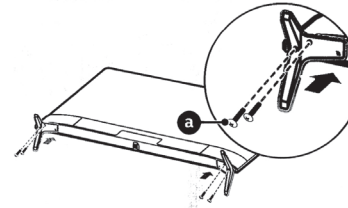
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49/55/65UN71*



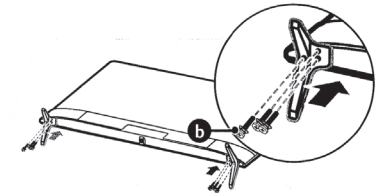
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70UN71*



4-A 49/50/55UN69*
49/55UN71*



4-B 60/65/70UN69*
65/70UN71*



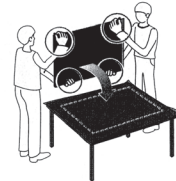
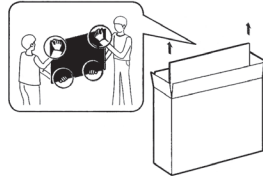
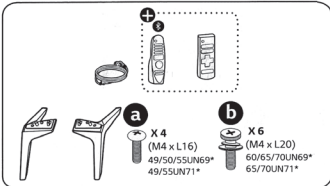
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1 49/50/55UN69*
49/55UN71*

2

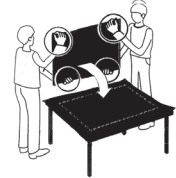
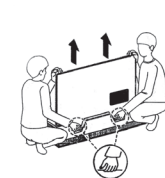
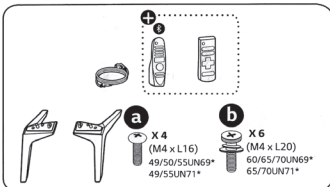
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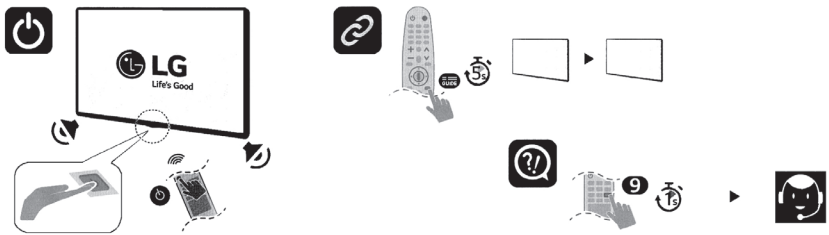
1 60/65/70UN69*
65/70UN71*

2

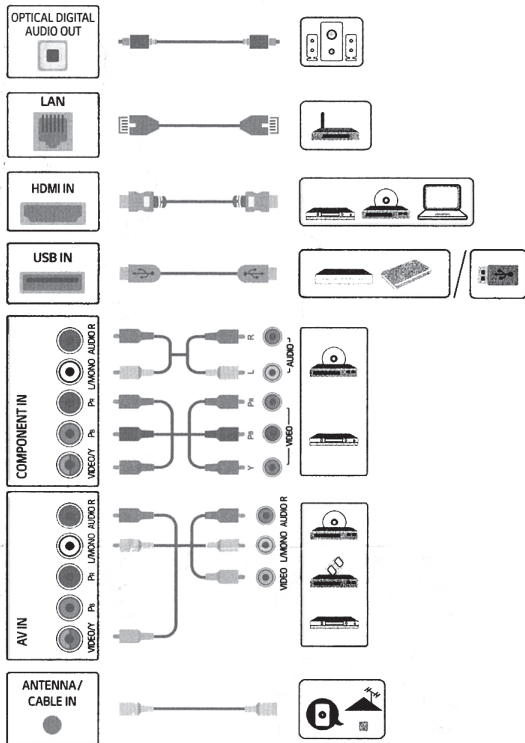
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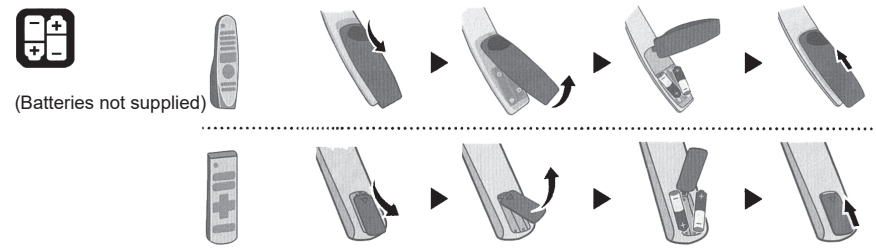
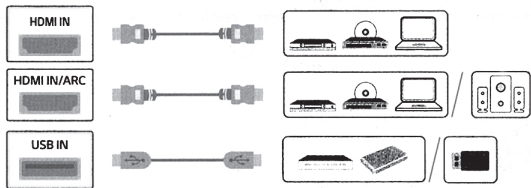
Note: The image shown here is for illustrative purposes only and may be subject to change.
The actual number of ports and their locations may vary depending on the model.



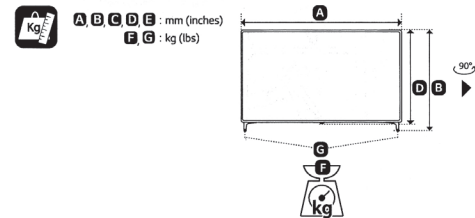
Easy TV Connect Guide (Animation)



The cables mentioned in this guide is not supplied with your unit.



The remote control vary depend of model: The buttons on remote control may have a different name or location than the remote control shows in this manual.



| MODELS | A | | B | | C | | D | | E | | F | | F G | | Power consumption |
|-------------------|-----------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------------|----------------|----------------|----------------|----------------|-------------------|
| 49UN7100PUA | 1,108 (43.6) | 1,108 (43.6) | 705 (27.7) | 705 (27.7) | 235 (9.2) | 235 (9.2) | 649 (25.5) | 649 (25.5) | 79.5 (3.1) | 79.5 (3.1) | 11.0 (24.2) | 11.0 (24.2) | 10.9 (24) | 10.9 (24) | 120 W |
| 49UN6900PUB | 1,108 (43.6) | 1,108 (43.6) | 708 (27.8) | 708 (27.8) | 231 (9) | 231 (9) | 649 (25.5) | 649 (25.5) | 79.5 (3.1) | 79.5 (3.1) | 11.1 (24.4) | 11.1 (24.4) | 10.9 (24) | 10.9 (24) | |
| 50UN6950ZUF | 1,130 (44.4) | 1,130 (44.4) | 719 (28.3) | 719 (28.3) | 235 (9.2) | 235 (9.2) | 663 (26.1) | 663 (26.1) | 86.3 (3.3) | 86.3 (3.3) | 11.4 (25.1) | 11.4 (25.1) | 11.3 (24.9) | 11.3 (24.9) | 140 W |
| 50UN6951ZUF | 1,130 (44.4) | 1,130 (44.4) | 722 (28.4) | 722 (28.4) | 231 (9) | 231 (9) | 663 (26.1) | 663 (26.1) | 86.3 (3.3) | 86.3 (3.3) | 11.5 (25.3) | 11.5 (25.3) | 11.3 (24.9) | 11.3 (24.9) | |
| 50UN6900PUC | 1,130 (44.4) | 1,130 (44.4) | 722 (28.4) | 722 (28.4) | 231 (9) | 231 (9) | 663 (26.1) | 663 (26.1) | 86.3 (3.3) | 86.3 (3.3) | 11.5 (25.3) | 11.5 (25.3) | 11.3 (24.9) | 11.3 (24.9) | 175 W |
| 55UN6950ZUA | 1,247 (49) | 1,247 (49) | 783 (30.8) | 783 (30.8) | 235 (9.2) | 235 (9.2) | 728 (28.6) | 728 (28.6) | 88.3 (3.4) | 88.3 (3.4) | 13.8 (30.4) | 13.8 (30.4) | 13.7 (30.2) | 13.7 (30.2) | |
| 55UN6951ZUA | 1,247 (49) | 1,247 (49) | 783 (30.8) | 783 (30.8) | 235 (9.2) | 235 (9.2) | 728 (28.6) | 728 (28.6) | 88.3 (3.4) | 88.3 (3.4) | 13.8 (30.4) | 13.8 (30.4) | 13.7 (30.2) | 13.7 (30.2) | 195 W |
| 55UN7100PUA | 1,247 (49) | 1,247 (49) | 787 (30.9) | 787 (30.9) | 231 (9) | 231 (9) | 728 (28.6) | 728 (28.6) | 88.3 (3.4) | 88.3 (3.4) | 13.9 (30.6) | 13.9 (30.6) | 13.7 (30.2) | 13.7 (30.2) | |
| 60UN6950ZUA | 1,368 (53.8) | 1,368 (53.8) | 857 (33.7) | 857 (33.7) | 255 (10) | 255 (10) | 796 (31.3) | 796 (31.3) | 89.1 (3.5) | 89.1 (3.5) | 19.6 (43.2) | 19.6 (43.2) | 19.4 (42.7) | 19.4 (42.7) | 225 W |
| 60UN6951ZUA | 1,368 (53.8) | 1,368 (53.8) | 862 (33.9) | 862 (33.9) | 269 (10.5) | 269 (10.5) | 796 (31.3) | 796 (31.3) | 89.1 (3.5) | 89.1 (3.5) | 19.8 (43.6) | 19.8 (43.6) | 19.4 (42.7) | 19.4 (42.7) | |
| 60UN6900PUB | 1,368 (53.8) | 1,368 (53.8) | 862 (33.9) | 862 (33.9) | 269 (10.5) | 269 (10.5) | 796 (31.3) | 796 (31.3) | 89.1 (3.5) | 89.1 (3.5) | 19.8 (43.6) | 19.8 (43.6) | 19.4 (42.7) | 19.4 (42.7) | 195 W |
| 65UN6950ZUA | 1,468 (57.7) | 1,468 (57.7) | 913 (35.9) | 913 (35.9) | 255 (10) | 255 (10) | 854 (33.6) | 854 (33.6) | 89.9 (3.5) | 89.9 (3.5) | 21.2 (46.7) | 21.2 (46.7) | 21.0 (46.2) | 21.0 (46.2) | |
| 65UN6951ZUA | 1,468 (57.7) | 1,468 (57.7) | 913 (35.9) | 913 (35.9) | 255 (10) | 255 (10) | 854 (33.6) | 854 (33.6) | 89.9 (3.5) | 89.9 (3.5) | 21.2 (46.7) | 21.2 (46.7) | 21.0 (46.2) | 21.0 (46.2) | 195 W |
| 65UN7100PUA | 1,468 (57.7) | 1,468 (57.7) | 917 (36.1) | 917 (36.1) | 269 (10.5) | 269 (10.5) | 854 (33.6) | 854 (33.6) | 89.9 (3.5) | 89.9 (3.5) | 21.4 (47.1) | 21.4 (47.1) | 21.0 (46.2) | 21.0 (46.2) | |
| 65UN6900PUB | 1,468 (57.7) | 1,468 (57.7) | 917 (36.1) | 917 (36.1) | 269 (10.5) | 269 (10.5) | 854 (33.6) | 854 (33.6) | 89.9 (3.5) | 89.9 (3.5) | 21.4 (47.1) | 21.4 (47.1) | 21.0 (46.2) | 21.0 (46.2) | 195 W |
| 70UN6970PUA | 1,578 (62.1) | 1,578 (62.1) | 984 (38.7) | 984 (38.7) | 299 (11.7) | 299 (11.7) | 913 (35.9) | 913 (35.9) | 91.1 (3.5) | 91.1 (3.5) | 31.4 (69.2) | 31.4 (69.2) | 30.7 (67.6) | 30.7 (67.6) | |
| 70UN7100PUA | 1,578 (62.1) | 1,578 (62.1) | 984 (38.7) | 984 (38.7) | 299 (11.7) | 299 (11.7) | 913 (35.9) | 913 (35.9) | 91.1 (3.5) | 91.1 (3.5) | 31.4 (69.2) | 31.4 (69.2) | 30.7 (67.6) | 30.7 (67.6) | 225 W |
| Power requirement | | | | | | | | | | AC 120 V - 50 / 60 Hz | | | | | |

ENGLISH Read Safety and Reference.
Easy Setup Guide
 Please read this manual carefully before operating your set and retain it for future reference.
 + : Depending upon model