

Panasonic[®]

E60/EW60/E60E series

***e*HELP**

Watching TV

my Home Screen

- Features 10
- How to use 11
- Settings 12

Cable / Satellite / Fiber Optic box

- Initial setting 14

Antenna / Cable service without a box

- Initial setting 15
- Select channels 16
- Favorite channels 17
- Closed caption 18
- SAP 19
- Other 20

Blu-ray, DVD, Game Console, etc.

- Connecting and viewing 21
- HDMI connection notice 24
- HDMI connection caution 25
- Input signal 26

Useful features

- Eco navigation 27
- Voice guidance 28
- Voice guidance settings 29

For best picture

- Picture mode 30
- Auto brightness (ECO) 31

• Aspect	32
• Aspect info.	34
• Copy adjustments	35
• Pro settings	36

For best audio

• Basic settings	39
• Voice guidance settings	41
• Advanced settings	42

Using Internet services

Connect to network

• Network connections	44
-----------------------	----

Network settings

• Setting menu	46
• Network connection/Network status	47
• VIERA remote settings	48
• Network link	49
• Software update	50
• New software notice	51

How to use

• Operate	52
-----------	----

Home network "DLNA"

Get started

• Information	53
---------------	----

Connect to network

• Network connections	54
-----------------------	----

Network settings

• Setting menu	57
• Network connection/Network status	58
• VIERA remote settings	59
• Network link	60
• Software update	61
• New software notice	62

Photos

• Viewing Photos	63
• Photo view	64
• Options menu	65
• Using slideshow	66
• Slideshow settings	67

Videos

• Viewing Videos	68
• Video view	69
• Options menu	70

Music

• Playing Music	71
• Music view	72
• Options menu	73

Data information

• Compatible Data format	74
• Notice	76

Media player

Get started

• Information	77
---------------	----

• Media warning messages	78
--------------------------	----

Photos

• Viewing Photos	79
• Photo view	80
• Sort the photos	81
• Options menu	82
• Thumbnails size	83
• Using slideshow	84
• Slideshow settings	85
• Soundtrack settings	87

Videos

• Viewing Videos	88
• Video view	89
• Options menu	90

Music

• Playing Music	91
• Music view	92
• Options menu	93

Data information

• Compatible Data format	94
• Notice	96

Convenience features

Using Apps list

• Features	97
• How to use	98
• Settings	99

Timer	
• Setting menu	100
• Timer (On/Off timer)	101
• Sleep (Off timer)	102
Parental control	
• Setting menu	103
• Parental control	104
• Password setting	106
• Parental control ratings	107
Closed caption	
• Setting menu	109
• Closed caption	110
• Closed caption notice	112
VIERA Link™ "HDAVI Control™"	
• Basic feature	113
• Connecting note	114
• VIERA Link connections	116
• VIERA Link settings	119
• VIERA Link settings feature	120
• VIERA Link	122
• VIERA Link menu	123
Using Voice guidance	
• Voice guidance	125
• Voice guidance settings	126
Control by Smartphone, etc.	
• Smartphone remote	127
Using USB Keyboard / Gamepad	

• Keyboard	128
• Gamepad	129

All settings

How to use

• Setting menu	130
----------------	-----

Picture

• Basic settings	131
• Pro settings	133
• Advanced picture	136
• Screen settings	138
• Other settings	140

Sound

• Basic settings	141
• Voice guidance settings	143
• Advanced settings	144
• DIGITAL AUDIO OUT terminal	146

Network

• Network settings	147
--------------------	-----

Timer

• Setting menu	149
• Clock settings	150
• Sleep (Off timer)	151
• Auto turn off settings	152
• Timer (On/Off timer)	153

Setup

• Setting menu	154
----------------	-----

• Eco navigation	155
• USB device setup	156
• Parental control	157
• Password setting	159
• Parental control ratings	160
• ANTENNA/Cable setup	162
• Language settings	164
• Display customization	165
• Closed caption	166
• Closed caption notice	168
• VIERA Link settings	169
• System settings	170
• Other settings	171

Support / FAQ

Help menu

• Using Help menu	172
-------------------	-----

FAQ

• Picture - Viewing	173
• Picture - Snowy / none	174
• Picture - Distortion	175
• Picture - Continue	176
• Sound - None	177
• Sound - Unusual	178
• Networking	179
• Software update	180
• Voice guidance	181


• Eco-Navigation (Eco-Navi)	182
• Other	183
• Menu - Gray-out or missing items	184
• Factory defaults	185

Care and Cleaning

• Display panel	186
• Cabinet	187
• Pedestal / Power cord	188

Meaning of signs :

 Press the Remote control button

 Letters in box : Remote control button

MENU Letters in Cyan : Menus on screen display

Watching TV

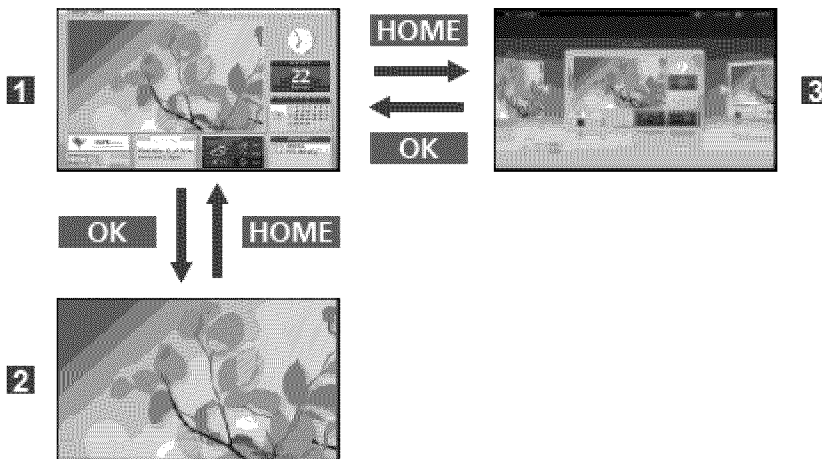
my Home Screen

Features

my Home Screen is a gateway to the TV, applications, and more. It provides easy access to special features such as the Media Player, videos, games, communication tools, etc.

■ **Home Screen**

(Example)



- 1** Home Screen
- 2** Selected content screen (TV, application, etc.)
- 3** Home Screen Selection
 - Choose your preferred Home Screen layout.

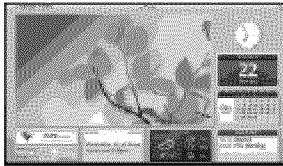
Watching TV

my Home Screen

How to use

The Home Screen provides access to special features such as the Media Player, TV, Internet content, data services, communication tools, etc.

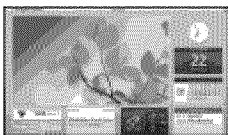
1. Display Home Screen



- The last viewed Home Screen is displayed each time the TV is turned on.
- Press **HOME** again to return to Home Screen Selection.
- You can change the default Home Screen when the TV is turned on. (Watching TV > my Home Screen > Settings)

2. Select a Home Screen icon using $\triangleleft/\triangleright/\triangle/\nabla$ and press **OK** to access the feature.

- To watch full-screen TV
 1. Select the TV window with $\triangleleft/\triangleright/\triangle/\nabla$



2. Press OK to watch



- Also refer to [Tutorial](#) from the tool guide.

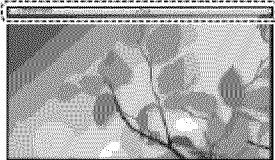
Watching TV

my Home Screen

Settings

Select the setup menu from the tool guide on the top of the screen, or use colored button to display the setup menu.

(Example)



■ **Home Screen Selection**

1. Display Home Screen Selection with **HOME**

(Example)



2. Select the type of Home Screen with ◀ / ▶ and press **OK** to set **Full Screen TV**

Exits the Home Screen and displays the TV picture in full-screen.

Various Home Screens

You can change the layout of the Home Screen according to your lifestyle and personal preferences.

Add New Screen

You can add a new screen to personalize.

■ **Settings**

You can customize Home Screen. For example, you can change the wallpaper, rename the screen, add / delete or set your preferred Home screen, edit applications, etc.

1. Select **Settings** from the tool guide
2. Follow the on-screen instructions

■ **Search function**

You can search the content of various Home screen features.

1. Select **Search** from the tool guide
2. Follow the on-screen instructions

- To use this function fully, you need a broadband network environment. Ensure the network connections and network settings are completed.
- Be sure to update the software when a software update notice is displayed on the TV screen. If the software is not updated, you will not be able to use my Home Screen. You can update the software later manually.

Watching TV

Cable / Satellite / Fiber Optic box

Initial setting

1. Connecting

Select the wiring method connecting your box to the TV, **AV IN** or **Antenna/Cable in**.

Note: HDMI will provide the best HD picture

2. Change INPUT



Press the INPUT button to select the proper connection. Wait 2 seconds.

3. Power on your Cable , Satellite or Fiber box

Use the box's remote control to change channels.

* If the box is connected to the TV using a COAX cable (Antenna/Cable in), then set the TV channel to CH3 or CH4. Note that the picture will not be in HD.

- * CC/SAP is not available when watching TV with a Cable or Satellite box connected via HDMI.
- * If you have a High Definition box, ensure that it is outputting 720p or 1080i signal.
Tip: press the TV's **INFO** button to verify.
- * Check your box's "aspect" or "format" settings. It should be set to 16:9, Widescreen or **FULL**.
- * If the audio volume is too low, check the box's audio settings.
- * Contact your Cable or Satellite provider for instructions on any box settings.

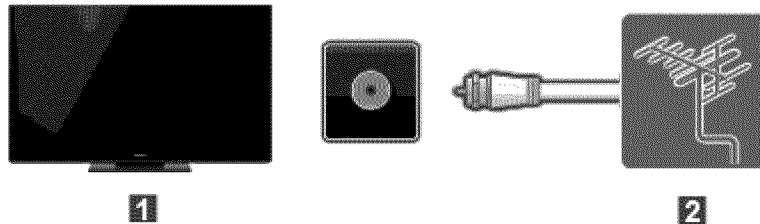
Watching TV

Antenna / Cable service without a box

Initial setting

1. Connect coax

Connect a COAX wire from either an antenna or Basic Cable service to the TV's "ANTENNA/CABLE IN" screw terminal.



1 TV (ANTENNA/CABLE IN)

2 Antenna

2. Scan the channel

 **MENU** → Menu > Setup > ANTENNA/Cable setup >

ANTENNA/Cable signal, Auto program

1. Select either **Cable** or **Antenna** programming source in ANTENNA/Cable signal.
2. Select **Auto program** and then the appropriate scan mode:
(All channels / Analog only / Digital only).
3. Start scanning.

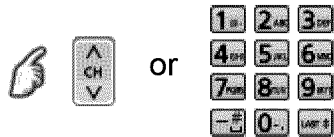
* If no channels are found by the end of the scan, then check the following:
Antenna's position - or availability of Cable service.
Cable, Satellite or Fiber services with a box are typically connected to the TV's A/V inputs, preferably HDMI, for best HD picture. In such a case, the channel scanning is not needed.

Watching TV

Antenna / Cable service without a box

Select channels

- **Select desired channel**



- CH buttons are also available on the TV.

- **Select desired digital channel**

To directly enter a digital channel number use 

- When tuning to a digital channel, press the button to enter the minor number in a compound channel number.

(e.g. CH15-1 →    )

Watching TV

Antenna / Cable service without a box

Favorite channels

Channel numbers registered in Favorite are displayed on the favorite tune screen. Select the desired broadcast station with the cursor or use the number buttons.

- Favorite channels cannot be set when using Cable or Satellite box

- **Set the Favorite channel**

 **OPTION** → Options menu > Set favorite

Select the list number using Δ / ∇ and  or



directly to


save the displayed channel.

- **Delete a Favorite channel**

 **OPTION** → Options menu > Set favorite

Select the list number using Δ / ∇ and  (press and hold) to delete.

* To change the page in Set favorite

 **FAVORITE** or \triangleleft / \triangleright repeatedly

- **Display a Favorite channel**

 **FAVORITE** → Favorite channels


Select the list number using Δ / ∇ and  or



directly to

save the displayed channel.

* To change the page in Favorite channels

 **FAVORITE** or \triangleleft / \triangleright repeatedly

Watching TV

Antenna / Cable service without a box

Closed caption

Viewing with Closed caption



Switches the Closed caption mode.

(**Off / On / On mute**)

- * CC is not available when watching TV with a Cable or Satellite box connected via HDMI.
- * Contact your Cable or Satellite operator for instructions on enabling CC with their box.
- * The TV's CC button does not operate the Satellite or Cable box's CC function.
- * For viewing the CC of digital broadcasting, set the aspect to FULL (If viewing with H-FILL, JUST, ZOOM or 4:3; characters might be cut off).
- * If the CC is set to On on both the receiver and TV when the signal is 480i (except for the HDMI connection), the CC may overlap on the TV.
- * If a digital program is being output in analog format, the CC data will also be output in analog format.
- * If the recorder or output monitor is connected to the TV, the CC needs to be set up on the recorder or output monitor.

Watching TV

Antenna / Cable service without a box

SAP

Listen with SAP (Secondary Audio Programming)

- SAP is not available when watching TV with a Cable or Satellite box connected via HDMI.
- Contact your Cable or Satellite operator for instructions on enabling SAP with their box.
- The TV's **SAP** button does not operate the Satellite or Cable box's **SAP** function.

Select the Audio mode for watching TV.



Digital mode: Select available audio service when receiving a digital channel.

Audio track is automatically selected as Preferred audio type and Preferred SAP language settings.

Menu > Sound > Preferred audio type

Menu > Setup > Language > Preferred SAP language

- * If you change the audio settings with the **SAP** button, Preferred SAP language and Preferred audio type settings will not change.

Audio track 1 of 7	→	Track number / Number of tracks
English (Main audio)	→	Current audio track information
English audio	→	Audio service information

(example)

Analog mode: Select the desired Audio mode. (**Stereo / SAP / Mono**)

Watching TV

Antenna / Cable service without a box

Other

1. Information banner

Displays TV status information. Also, when watching programs via the Antenna/Cable input, INFO will include the channel banner.



INFO

Channel / Station identifier / Program title / Closed caption / SAP /
Rating level / Signal resolution / Picture mode / Aspect ratio /
Sleep timer remaining time / Clock

2. Options menu

This menu consists of shortcuts to convenient functions.



OPTION

Voice guidance settings: Guidance settings for visually impaired users.

Channel surf mode: Specify favorites or type of channels to view when pressing the channel up/down button.

Set favorite: Set favorite channel

Edit CH caption: Edit the channel identifier

Signal meter: Check the antenna's signal strength

* Options menu is only available when the TV is using the Antenna/Cable input, not when using Cable or Satellite box.

Watching TV

Blu-ray, DVD, Game Console, etc.

Connecting and viewing

1. Connect device

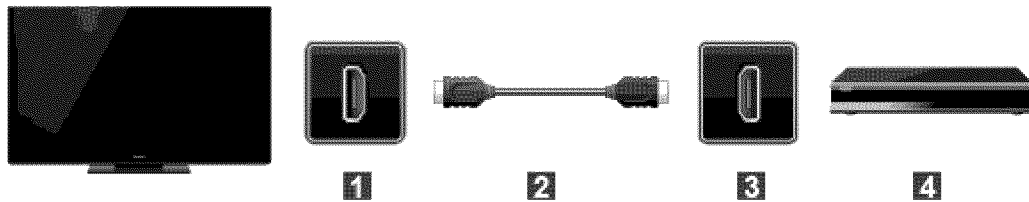
Verify that the device is connected to the TV properly and connect to desired terminal. Note which terminal the device is connected to (HDMI 1, HDMI 2,... Component or Video)

Component and Composite (Video) in terminals are shared.

Please be careful not to confuse the connection when you use Component or Video.

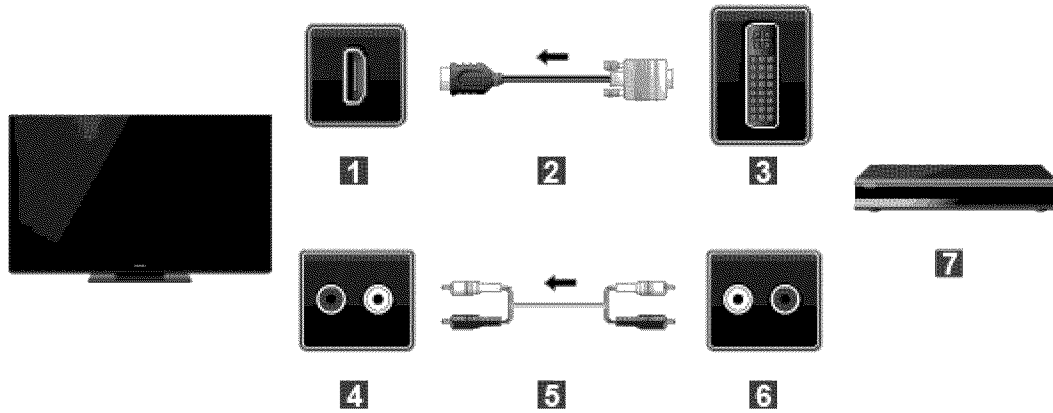
■ Example of AV connections

A. Connecting to the HDMI input (best)



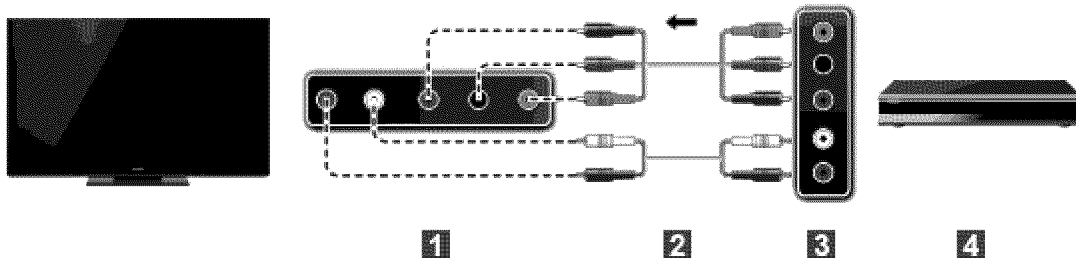
- 1 HDMI IN
- 2 HDMI cable
- 3 HDMI OUT
- 4 AV Equipment (e.g. Blu-ray Disc player)

For devices with DVI output



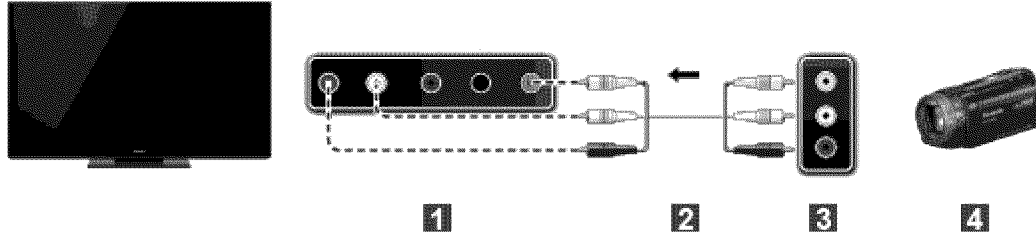
- 1** HDMI IN
- 2** HDMI-DVI Conversion cable
- 3** DVI OUT
- 4** AUDIO IN
- 5** Audio cable
- 6** AUDIO OUT
- 7** AV Equipment (e.g. Blu-ray Disc player)

B. Connecting to the COMPONENT input



- 1** COMPONENT IN
- 2** Component cable
- 3** COMPONENT OUT
- 4** AV Equipment (e.g. Blu-ray Disc player)

C. Connecting to the VIDEO input (Standard definition only)



- 1 COMPOSITE IN
- 2 VIDEO cable
- 3 COMPOSITE OUT
- 4 AV Equipment (e.g. Camcorder)

2. Select Input

1. Display **Input select** menu (With the connected equipment turned ON)



2. Select the input used in step 1

Select correct input source, using \triangle / ∇ and press

You need to select **Video** or **Component**.

- Press **INPUT** and select **AV: Video <-> Component**.
- Press \triangle / ∇ to choose Video or Component.

- You can edit and customize the **TV's Inputs** for easy identification by pressing the button. If you label an input as "Not used", then it will not appear in the Input select menu.

3. Operate using your device's remote control.

Watching TV

Blu-ray, DVD, Game Console, etc.

HDMI connection notice

HDMI (high-definition multimedia interface) allows you to enjoy high-definition digital images and high-quality sound by connecting the TV unit and HD devices.

HDMI-compatible equipment (*1) with an HDMI or DVI output terminal, such as a Cable or Satellite box or a DVD player, can be connected to the HDMI connector using an HDMI compliant (fully wired) cable.

- HDMI is the world's first complete digital consumer AV interface complying with a non-compression standard.
- If the external equipment has only a DVI output, connect to the HDMI terminal via a DVI to HDMI adapter cable (*2).
- When the DVI to HDMI adapter cable is used, connect the audio cable to the audio input terminal.
- Audio settings can be made on the **HDMI in** menu screen. Applicable audio signal sampling frequencies (L.PCM): 48 kHz, 44.1 kHz, 32 kHz

(*1): The HDMI logo is displayed on an HDMI-compliant device.

(*2): Inquire at your local digital equipment retailer shop.

Watching TV

Blu-ray, DVD, Game Console, etc.

HDMI connection caution

Caution

- If the connected device has an aspect adjustment function, set the aspect ratio to "16:9".
- The HDMI connectors are "type A".
- The HDMI connectors are compatible with HDCP (High-Bandwidth Digital Content Protection) copyright protection.
- Devices with no digital output terminal may be connected to the input terminal of either "COMPONENT IN", or "VIDEO IN" to receive analog signals.
- The HDMI input terminal can be used only with the following video signals: 480i, 480p, 720p, 1080i and 1080p. Ensure that the device being connected to the TV can produce one of these video signals.

Watching TV

Blu-ray, DVD, Game Console, etc.

Input signal

- Signals other than those listed below may not be displayed properly.
- The signals are reformatted for optimal viewing on your display.

■ **Component and HDMI** (* HDMI only)

Input signal	Vertical frequency (Hz)
525 (480)/60i	59.94/60.00
525 (480)/60p	59.94/60.00
750 (720)/60p	59.94/60.00
1,125 (1,080)/60i	59.94/60.00
1,125 (1,080)/60p	59.94/60.00
1,125 (1,080)/24p *	23.98/24.00


Watching TV

Useful features

Eco navigation

This setting allows you to set the TV to the most suitable energy-saving mode automatically.

1. Select Eco navigation

 **MENU** → Menu > Setup > Eco navigation

2. Press Set to ECO

Optimizes the TV's various modes to save energy.

Note: The TV's brightness will adjust and adapt as the room lighting changes.


Watching TV

Useful features

Voice guidance

This function provides a useful audio readout of basic features.

1. Set Voice guidance to On

 **MENU** → Menu > Sound > Voice guidance settings > Voice guidance

Select the menu using Δ / ∇ and press 

Then, switch to **On** using Δ / ∇ and press 

2. Set other items

Select the desired menu using Δ / ∇ and press 

Then, change or adjust the item using Δ / ∇ and press 

Watching TV

Useful features

Voice guidance settings

Guidance settings for the visually impaired.

Voice guidance

(Off/On)

On: Enables voice guidance of the basic features (Channel banner and input source).

Volume

(Low/Mid/High)

Selects the volume for voice guidance.

- Gray-out when **Voice guidance** is off.
-

Speed

(Slow/Normal/Fast)

Adjust the readout speed of the voice guidance.

- Gray-out when **Voice guidance** is off.
-

User level

(Expert/Beginner)

Selects the level of complexity for voice guidance.

- Gray-out when **Voice guidance** is off.
-

Language

(English/Español/Français)


Watching TV


For best picture

Picture mode

1. Change picture mode to suit your settings and taste

1. Select **Picture mode**

 **MENU** → Menu > Picture > Picture mode

Select desired menu using \triangle / ∇ from menu bar and press 

2. Adjust using \triangle / ∇

Note: HDMI will provide the best HD picture

2. Picture mode type

Vivid

Provides enhanced picture contrast and sharpness for viewing in a well-lit room.

Standard

Recommended for normal viewing conditions with subdued room lighting.

Home theater

For watching movies in a darkened room. It provides a soft, film-like picture.

Cinema

Reproduces the original image quality precisely without any revision.
Allows you to set the professional picture settings in **Pro settings** and **Copy adjustments**.

Custom

Customizes each item according to your taste.
Allows you to set the professional picture settings in **Pro settings** and **Copy adjustments**.

Watching TV

For best picture

Auto brightness (ECO)

Contrast Automatic Tracking System (C.A.T.S.) adjusts the screen brightness and contrast according to the room's ambient light conditions. This ECO feature automatically dims the brightness of the screen when the room lighting is lowered.

C.A.T.S. features a built-in delay when the lighting conditions change. The adjustment happens gradually.

If you prefer a consistent brightness, disable C.A.T.S. by:

- **Menu > Picture >** scroll down to **C.A.T.S.** and turn it off.

Or

- **Menu > Picture > Picture mode** then select viewing mode such as **Custom**

* **Standard** picture mode automatically sets C.A.T.S. to **On**.


Watching TV

For best picture

Aspect

1. Use **FORMAT** button to change the aspect ratio

Use when the picture has bars (sides or top/bottom) and to zoom.

 **FORMAT** (to cycle through the aspect modes)

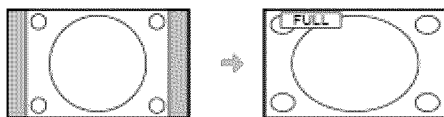
480i, 480p: Full/Just/4:3/Zoom

1080p, 1080i, 720p: Full/H-Fill/Just/Sidecut Just/4:3/Zoom/
Sidecut Zoom

- * Use when the picture does not fill the whole screen or portions of the picture are trimmed.
- * Some content, such as film-based movies, are available in extra-wide format. Top and bottom bars are unavoidable.
- * Connected devices, such as Cable/Satellite box, DVD/Blu-ray players and game consoles have their own aspect (format) settings. Adjust the device's aspect settings.

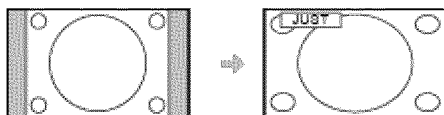
■ **Screen mode**

FULL



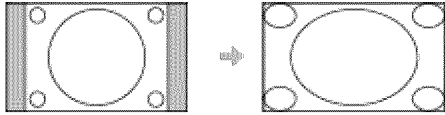
Enlarges the 4:3 image horizontally to the screen's side edges.
(Recommended for anamorphic picture)

JUST



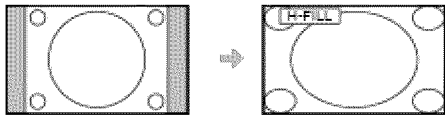
Stretches to justify the 4:3 image to the four corners of the screen.
(Recommended for normal TV broadcast)

Sidecut just



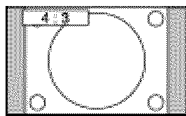
Enlarges the 4:3 image horizontally to the screen's side edges. The side edges of the image are cut off.

H-FILL



Enlarges the 4:3 image horizontally to the screen's side edges. The side edges of the image are cut off.

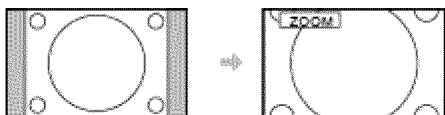
4:3



Standard

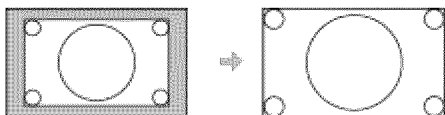
(Note that "Image retention" of the side bar may occur from displaying it for a long time.)

ZOOM



Enlarges the 4:3 image to the entire screen.
(Recommended for Letter Box)

Sidecut zoom



Enlarges the image to the entire screen. The side edges of the image are cut off.

Watching TV

For best picture

Aspect info.

■ **Zoom adjustments**

Vertical image position and size can be adjusted in "ZOOM"

- ① Select **Zoom adjustments** in the **Picture** menu.

 **MENU** → Menu > Picture > Screen settings > Zoom adjustments

- ② V-position: Vertical position adjustment
Adjust using \triangle / ∇ to desired position.
- ③ V-size: Vertical size adjustment
Adjust using $\triangleleft / \triangleright$ to desired size.

* Press OK to reset

Watching TV

For best picture

Copy adjustments

You can copy the selected **Cinema** or **Custom** settings and apply them to all or another input.


Settings are basic picture settings and Pro settings.

1. Select Copy adjustments

 **MENU** → Menu > Picture > Copy adjustments

Select the desired menu using \triangle / ∇ and press 

2. Select Destination input and set (Default: All)


Select the menu using \triangle / ∇ and press 

Then, select the destination using \triangle / ∇ and press  to set.

3. Select Copy start to copy

Select the menu using \triangle / ∇ and press 

4. Select Yes to set

Select the item using $\triangleleft / \triangleright$ and press  to set

Watching TV

For best picture

Pro settings

Adjust the picture mode in more detail.

Set **Picture mode** to **Custom/Cinema** first.

 **MENU** → Menu > Picture > Pro settings

Panel brightness

(Low/Mid/High)

Selects different levels of overall panel brightness.

AGC

(0-15)

Automatic Gamma Control. Increases automatically the brightness of a dark signal.

Black extension

(0-15)

Adjust the gradations in dark shades of the image.

Cool white effect

(0-15)

Adjusts the white temperature point toward cool.

W/B detail adjustment

W/B high R, G, B (+/-50)

Adjusts the white balance for light red/green/blue areas.

W/B low R, G, B (+/-50)

Adjusts the white balance for dark red/green/blue areas.

More detail adjustment

Adjusts more detailed White Balance items.

Input signal level

Adjusts the IRE picture level in relation to the gain of the red, green & blue colors.

Red, Green, Blue gain

Adjusts the red/green/blue gain value of each Input signal level.

Reset to defaults

Reset all **More detail adjustment** to factory defaults settings.

Reset to defaults

Reset **W/B detail adjustment** adjustments to factory defaults settings.

Color detail adjustment**Red, Green, Blue hue (+/-50)**

Adjusts the red/green/blue hue between light, pastel and vivid.

Red, Green, Blue saturation (+/-50)

Adjusts the difference of the red/green/blue color against its own brightness.

Red, Green, Blue luminance (+/-50)

Adjusts the luminance of red/green/blue areas.

Reset to defaults

Reset **Color detail adjustment** adjustments to factory defaults settings.

Gamma detail adjustment**Gamma**

(1.8/2.0/2.2/2.4/2.6)

Gamma correction. Adjusts the intermediate brightness of the image.

More detail adjustment

Adjusts more detailed Gamma items.

Input signal level

Adjusts the IRE picture level in relation to the gain of the red, green & blue colors.

Gain

Adjusts the gain value of each Input signal level.

Reset to defaults

Reset all **More detail adjustment** to factory defaults settings.

Reset to defaults

Reset **Gamma detail adjustment** to factory defaults settings.

Reset to defaults

Resets all **Pro settings** adjustments to factory default settings.

Watching TV

For best audio

Basic settings

Adjust audio quality.



Sound mode (Standard/Music/Speech/User)

Selects your favorite sound mode.

- The selected mode affects all input signals.

Standard: Provides the suitable sound quality for all types of scenes.

Music: Improves sound quality for watching music videos, etc.

Speech: Improves sound quality for watching news, drama, etc.

- In Music and Speech modes, you can adjust **Bass** and **Treble** settings, and those settings will be stored for each mode.

User: Adjusts the sounds manually by using the equalizer to suit your favorite sound quality.

- For the User mode, **Equalizer** will appear on the Sound Menu instead of **Bass** and **Treble**. Select **Equalizer** and adjust the frequency.
-

Bass

Increases or decreases the bass response.

- Gray-out if **Sound mode** is set to **User**.
-

Treble

Increases or decreases the treble response.

- Gray-out if **Sound mode** is set to **User**.
-

Equalizer

(150Hz/250Hz/500Hz/1kHz/2kHz/4kHz/8kHz/12kHz/Reset to default)

Adjusts the frequency level to suit your favorite sound quality.

- This function is available when **Sound mode** is set to **User**.
 - Select the frequency and change the frequency level by using the cursor button.
 - To enhance the bass sound, raise the level of the lower frequency. To enhance the treble sound, raise the level of the higher frequency.
 - To reset the levels of each frequency to the default settings, select **Reset to defaults** by using the cursor button, and then press the **OK** button.
-

Balance

Emphasizes the left/right speaker volume.

- Gray-out when using Home Theater.

Watching TV

For best audio

Voice guidance settings

Guidance settings for the visually impaired.

Voice guidance

(Off/On)

On: Enables voice guidance of the basic features (Channel banner and input source).

Volume

(Low/Mid/High)

Selects the volume for voice guidance.

- Gray-out when **Voice guidance** is off.
-

Speed

(Slow/Normal/Fast)

Adjust the readout speed of the voice guidance.

- Gray-out when **Voice guidance** is off.
-

User level

(Expert/Beginner)

Selects the level of complexity for voice guidance.

- Gray-out when **Voice guidance** is off.
-

Language

(English/Español/Français)

Watching TV

For best audio

Advanced settings

Surround

(Off/On)

Enhances audio L/R response when listening to stereo. Ideal for music and action movies.

- Gray-out when using Home Theater.
-

A.I. sound

(Off/On)

Equalizes overall volume levels across all channels and external inputs.

- Gray-out when using Home Theater.
-

Volume leveler

(+/-6)

Minimizes volume disparity after switching to external inputs.

- Gray-out when using Home Theater.
-

Distance to wall

(Over 1ft(30cm)/Up to 1ft(30cm))

Over 1ft(30cm): TV is on a stand. Keeps current setup.

Up to 1ft(30cm): TV is mounted. Reduces low frequency level to prevent resonance.

Preferred audio type

(Main Audio/Hearing Impaired/Visually Impaired)

Allows setting of the accessible audio format when it's broadcast and the language setting matches.

Digital audio out selection

(Auto/PCM)

Selects the initial setting for digital audio output signal from DIGITAL AUDIO OUT and HDMI 2 (ARC function) terminals.

Auto: Dolby Digital Plus, Dolby Digital and HE-AAC multi-channel are output as Dolby Digital Bit stream. MPEG is output as PCM.

PCM: Digital output signal is fixed to PCM.

- For video contents of Media Player / Network services.
 - ARC (Audio Return Channel): A function of digital audio output using HDMI cable.
-

HDMI input (HDMI in)

(Digital/Analog)

The default setting is **Digital** for the HDMI connection. (Digital input signal)
Select audio input terminal when a DVI cable is connected along with an analog audio input signal.

Reset to defaults

Resets all Audio adjustments to factory default settings.

Using Internet services

Connect to network

Network connections

1. Contact your Broadband service provider

Obtain Broadband Internet service:

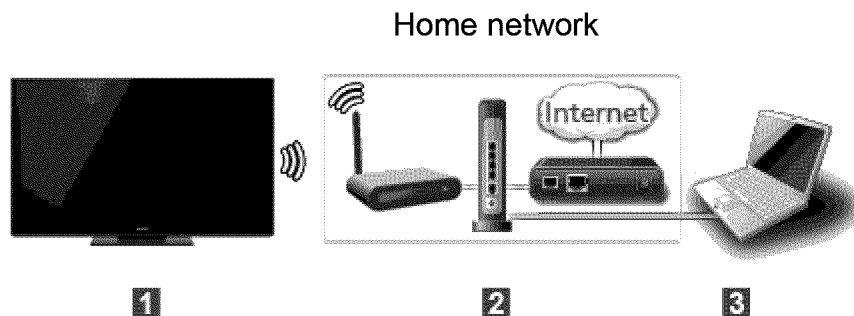
- Required speed (effective): at least 1.5 Mbps for SD and 6 Mbps for HD picture quality, respectively.
- Dial-up Internet service cannot be used for Home Screen.

2. Select wired or wireless connection

If a wired network connection is available near the TV, then using this LAN (Ethernet) connection is recommended.

3. Connecting to the Internet

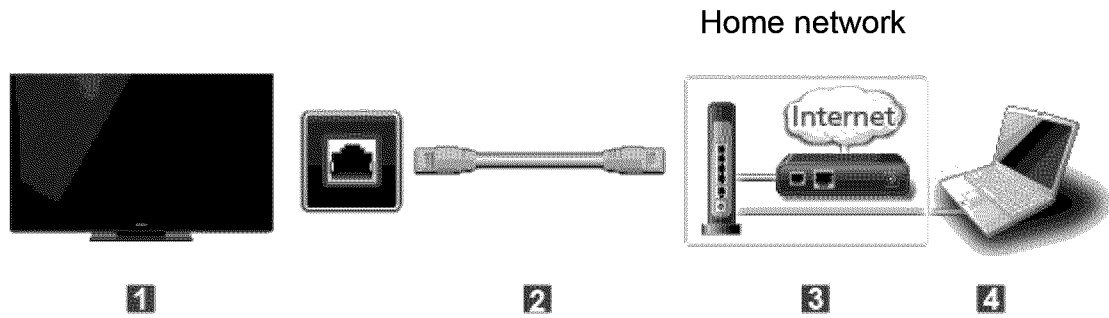
A. Wireless connection



- 1 TV (Built-in wireless LAN)
- 2 Home network (modem/wireless router)
- 3 Computer/DLNA Certified media server

* To use and operate only DLNA features, a Broadband network environment is not needed.

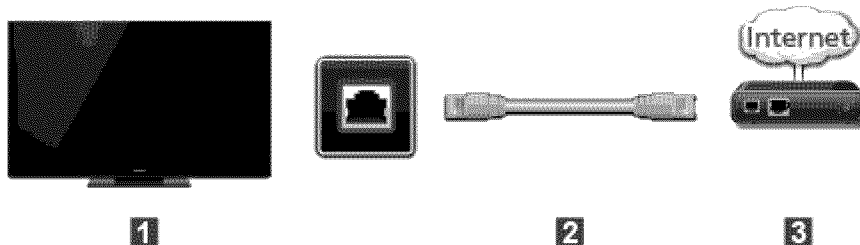
B. Wired connection (Using Router)



- 1** TV (Ethernet port)
- 2** LAN (Ethernet) cable
- 3** Home network (modem/router)
- 4** Computer/DLNA Certified media server

C. Wired connection (Directly connected)

If you are not using the network for connecting anything else but the TV, you can just connect the TV directly to the Cable/DSL Ethernet modem with LAN (Ethernet) cable.



- 1** TV (Ethernet port)
- 2** LAN (Ethernet) cable
- 3** Modem

* To use and operate only DLNA features, a Broadband network environment is not needed. You can simply connect the TV directly to the equipment with a LAN cross cable.

Using Internet services

Network settings

Setting menu

This menu is used for connecting to a Broadband environment.

1. Display the Menu and select Network

 **MENU** → Menu > Network

Select Network using Δ / ∇ from menu bar and press 

2. Select the options and set


(Network connection/Network status/VIERA remote settings/
Network link/Software update/New software notice)

Using Internet services

Network settings

Network connection/Network status

■ Network connection/Network status


- ① Select **Network connection** using \triangle / ∇ and press 
- ② Select **Quick setup** to launch Network connection setup wizard.
Follow the directions on the screen to complete the network connection.
 - Manual settings are also available.
Select **Custom** and select your connection type.
Displays setting menu according to selected connection type.
Set the desired menu and complete the network connection.
- ③ Displays **Network status**
Select **Try again** and press OK to start connection test.
Success → Completion message is displayed.
Error → Select **Status details/Help** and press OK to display solution of the connection error.
Follow the directions on the screen to complete the network settings.
 - You can also display **Network status** from **Network** menu.
(**Network > Network status**)
- ④ Exit the screen
Select **Done** and press OK to exit from this screen.

Using Internet services

Network settings

VIERA remote settings


■ **VIERA remote settings**

- ① Select **VIERA remote settings** using \triangle / ∇ and press 
- ② Displayed **VIERA remote settings**
- ③ Select the item and set

● **VIERA remote**

Enables to control the TV from the network equipment (smartphone, etc.).

- Sets to **On** to enable below settings.

- ① Select **VIERA remote** using \triangle / ∇ and press 
- ② Switches **On** or **Off** with \triangle / ∇

● **Device to upload contents**

Selects device to upload contents from the network equipment (smartphone, etc.).

- ① Select **Device to upload contents** using \triangle / ∇ and press 
- ② Select device and press 

Using Internet services

Network settings

Network link

■ Network link

Setting for DLNA server.

● DLNA server

Enables use this TV as DMS for network devices (DLNA Certified VIERA)

- Sets to **On** to enable below settings.

① Select **DLNA server** using Δ / ∇ and press 

② Switches **On** or **Off** with Δ / ∇

● Registration Type

Selects the limitation of access to this TV for each device on the home network.

① Select **Registration type** using Δ / ∇ and press 

② Switches **Auto** or **Manual** with Δ / ∇

Auto: All the available device on the home network are accessible.(maximum 16 equipment)

Manual: Sets the access limitation for each device in the Remote device List.

● Remote device list

Lists the available device on the home network.

① Select **Remote Device List** using Δ / ∇ and press 

② Select the desired device with Δ / ∇ and set access limitation.

Using Internet services

Network settings

Software update

■ Software update

- ① Select **Software update** using \triangle / ∇ and press 
- ② Press OK to start the Software update screen



- ③ Follow directions on the screen
- Make sure to set **Clock** before the update starts.

Using Internet services

Network settings

New software notice

■ New software notice

Displays new software update information when TV is turned on.

- ① Select **New software notice** using \triangle / ∇
- ② Switches **Off** or **On** with \triangle / ∇

Using Internet services

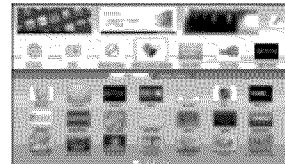
How to use

Operate

You can access Internet services on Apps list (application list) via Home Screen.

1. Display Apps list

 **APPS** → Apps list



(example)

2. Select and Enjoy Internet Service

Select desired application using $\triangle / \nabla / \triangleleft / \triangleright$ and press 

- USB keyboard is available. Set **Keyboard type** in **Setup** menu.
(Game pad is also available.)

- * You need a Broadband environment to use this service.
- * Please confirm Network connections and Network settings before using this function.
- * Depending on the usage conditions, it may take a while to download all the data.
- * Internet services available in Home Screen are subject to change without notice.
- * Not all contents are available depending on the country and area.

Home network "DLNA"

Get started

Information

You can share the contents (Photo, Video, Music etc.) stored in DLNA Certified media server with your home network system.

- Please confirm **Network connection** and Network settings before using this function.

This TV is a DLNA Certified™ product.

DLNA (Digital Living Network Alliance) is a standard that makes DLNA Certified digital electronics easier and more convenient to use on a home network. To learn more, visit www.dlna.org. It allows you to share photos, videos and music stored in the DLNA Certified media server (for example, PC with Windows 7/Windows 8 installed, etc.) connected to your home network, and enjoy the contents on the TV screen.

■ Media server

Store photos, videos or music into the DLNA Certified media server, and then you can enjoy them on the TV.

To use a PC as a media server

Prepare the PC with Windows 7/Windows 8 or ensure the server software is installed on the PC. "Windows 7/Windows 8" is the server software that has been tested for compatibility with this TV (as of November, 2012). Any other server software have not been tested with this TV, therefore compatibility and performance cannot be assured.

- Windows 7/Windows 8

The setup for homegroup settings of Windows 7/Windows 8 is required. For details, refer to the help functions of Windows 7/Windows 8.

Home network "DLNA"

Connect to network

Network connections

1. Contact your Broadband service provider

Obtain Broadband Internet service:

- Required speed (effective): at least 1.5 Mbps for SD and 6 Mbps for HD picture quality, respectively.
- Dial-up Internet service cannot be used for Home Screen.

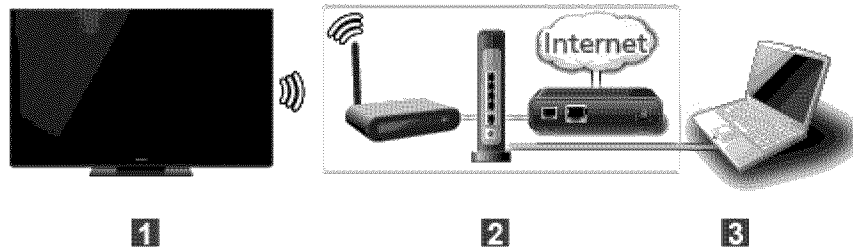
2. Select wired or wireless connection

If a wired network connection is available near the TV, then using this LAN (Ethernet) connection is recommended.

3. Connecting to the Internet

A. Wireless connection

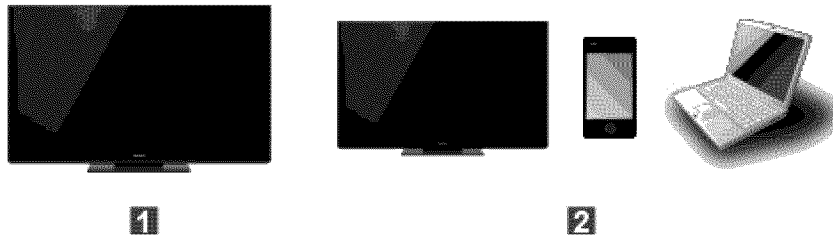
Home network



- 1** TV (Built-in wireless LAN)
- 2** Home network (modem/wireless router)
- 3** Computer/DLNA Certified media server

■ Wireless connection (without Internet connection)

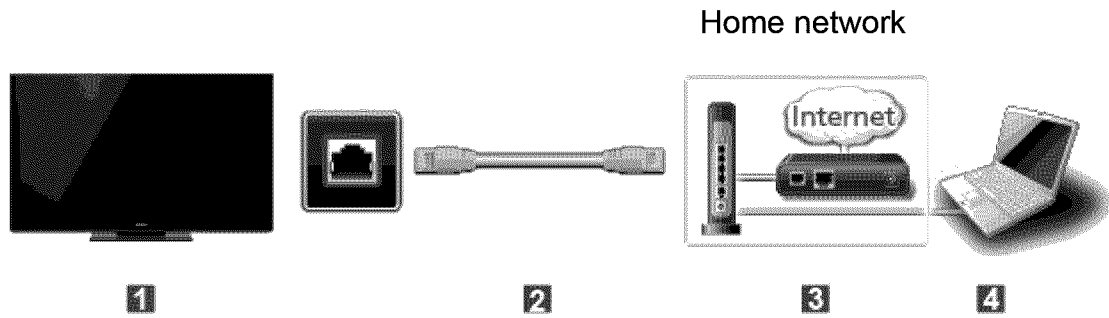
You can connect the TV as an access point to wireless equipment without an Internet connection.



- 1** TV (as Access point)
- 2** Wireless equipments (TV, Smart phone, PC etc.)

* This connection can not be used for Internet services.

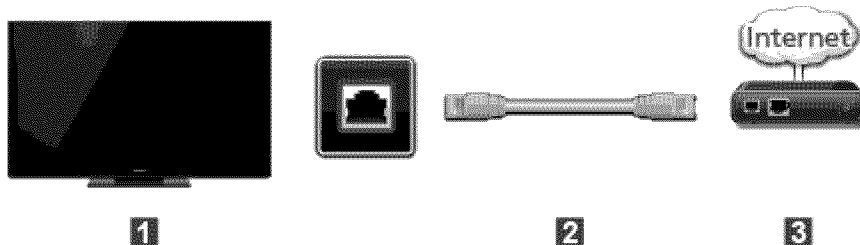
B. Wired connection (Using Router)



- 1** TV (Ethernet port)
- 2** LAN (Ethernet) cable
- 3** Home network (modem/router)
- 4** Computer/DLNA Certified media server

C. Wired connection (Directly connected)

If you are not using the network for connecting anything else but the TV, you can just connect the TV directly to the Cable/DSL Ethernet modem with LAN (Ethernet) cable.



- 1** TV (Ethernet port)
- 2** LAN (Ethernet) cable
- 3** Modem

***** To use and operate only DLNA features, a Broadband network environment is not needed.
You can simply connect the TV directly to the equipment with a LAN cross cable.

Home network "DLNA"

Network settings

Setting menu

This menu is used for connecting to a Broadband environment.

1. Display the Menu and select Network

 **MENU** → Menu > Network

Select Network using Δ / ∇ from menu bar and press 

2. Select the options and set


(Network connection/Network status/VIERA remote settings/
Network link/Software update/New software notice)

Home network "DLNA"

Network settings

Network connection/Network status

■ Network connection/Network status


- ① Select **Network connection** using \triangle / ∇ and press 
- ② Select **Quick setup** to launch Network connection setup wizard.
Follow the directions on the screen to complete the network connection.
 - Manual settings are also available.
Select **Custom** and select your connection type.
Displays setting menu according to selected connection type.
Set the desired menu and complete the network connection.
- ③ Displays **Network status**
Select **Try again** and press OK to start connection test.
Success → Completion message is displayed.
Error → Select **Status details/Help** and press OK to display solution of the connection error.
Follow the directions on the screen to complete the network settings.
 - You can also display **Network status** from **Network** menu.
(**Network** > **Network status**)
- ④ Exit the screen
Select **Done** and press OK to exit from this screen.

Home network "DLNA"

Network settings

VIERA remote settings


■ VIERA remote settings

- ① Select **VIERA remote settings** using \triangle / ∇ and press 
- ② Displayed **VIERA remote settings**
- ③ Select the item and set

● VIERA remote

Enables to control the TV from the network equipment (smartphone, etc.).

- Sets to **On** to enable below settings.

- ① Select **VIERA remote** using \triangle / ∇ and press 
- ② Switches **On** or **Off** with \triangle / ∇

● Device to upload contents

Selects device to upload contents from the network equipment (smartphone, etc.).

- ① Select **Device to upload contents** using \triangle / ∇ and press 
- ② Select device and press 

Home network "DLNA"

Network settings

Network link

■ Network link

Setting for DLNA server.

● DLNA server

Enables use this TV as DMS for network devices (DLNA Certified VIERA)

- Sets to **On** to enable below settings.

① Select **DLNA server** using Δ / ∇ and press 

② Switches **On** or **Off** with Δ / ∇

● Registration Type

Selects the limitation of access to this TV for each device on the home network.

① Select **Registration type** using Δ / ∇ and press 

② Switches **Auto** or **Manual** with Δ / ∇

Auto: All the available device on the home network are accessible.(maximum 16 equipment)

Manual: Sets the access limitation for each device in the Remote device List.

● Remote device list

Lists the available device on the home network.

① Select **Remote Device List** using Δ / ∇ and press 

② Select the desired device with Δ / ∇ and set access limitation.

Home network "DLNA"

Network settings

Software update

■ Software update

- ① Select **Software update** using \triangle / ∇ and press 
- ② Press OK to start the Software update screen



- ③ Follow directions on the screen
- Make sure to set **Clock** before the update starts.

Home network "DLNA"

Network settings

New software notice

■ New software notice

Displays new software update information when TV is turned on.

- ① Select **New software notice** using \triangle / ∇
- ② Switches **Off** or **On** with \triangle / ∇

Home network "DLNA"

Photos


Viewing Photos

1. Display Apps (application) list

 **APPS** → Apps list



2. Display DLNA server

Select **DLNA** using $\triangle / \nabla / \triangleleft / \triangleright$
press 

3. Select server (Available DLNA servers are displayed).

Select desired server using \triangle / ∇ from DLNA server list and press 

4. Select photo (Thumbnails and contents are displayed).

Select desired content using \triangle / ∇ from file list and press 

5. View

Follow the navigation and guide to operate.

* Displayed navigation and guide will be different depending on data type.

Home network "DLNA"

Photos

Photo view

■ Thumbnail view



→ Display **Slideshow settings**



→ Information panel (File name, Date, and Size etc.)

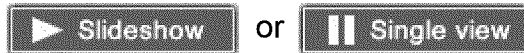
* Information differs depending on selected data.

■ Playback screen



→ Display/hide Guide and Banner

Photo status: Shows current photo status



Navigation Guide: Shows available functions.

- * In DMR mode, Slideshow is not available.
- * In DMR mode, OK/Next/Prev. are not available.

Home network "DLNA"

Photos


Options menu

In Photo view, some optional menus are available pressing **OPTION** button.

1. Display Options menu



2. Select the item

Select the desired menu using \triangle / ∇ and press 
(Slideshow settings)

* Available menus are displayed on Options menu depending on data condition and situation.

Home network "DLNA"

Photos

Using slideshow

1. Display Slideshow settings

  → Slideshow settings

2. Adjust items

Select the item by \triangle / ∇ and adjust the settings using \triangle / ∇

- Picture quality may deteriorate depending on the slideshow settings.
- Picture setting may not work depending on the slideshow settings.

3. Start Slideshow

After adjusting each setting, select **Start slideshow** with \triangle / ∇ and press 

 **RETURN** → Stop in mid-cycle

Home network "DLNA"

Photos

Slideshow settings

Auto Makeup

(On/Off)

Detects a face in the photo, checks the luminance, and then retouches the enhanced image.

Display interval

(Short/Normal/Long)

Display interval sets the time each image is displayed in the Slideshow mode.

Repeat playback

(Off/On)

Turn the Slideshow Repeat (cycle) function on or off.

Soundtrack settings

(Off/Music 1/Music 2/Music 3/Music 4/Music 5)


Select the music.

Home network "DLNA"

Videos

Viewing Videos

1. Display Apps list

 **APPS** → Apps list

2. Display DLNA server

Select **DLNA** using $\triangle / \nabla / \triangleleft / \triangleright$ press 

3. Select server (Available DLNA servers are displayed).

Select desired server using \triangle / ∇ from DLNA server list and press 

4. Select video (Thumbnails and contents are displayed).

Select desired content using \triangle / ∇ from file list and press 

5. Play

Follow the navigation and guide to operate.

* Displayed navigation and guide will be different depending on data type.

Home network "DLNA"

Videos

Video view

■ Thumbnail view



INFO

→ Information panel (File name, Date, and Size etc.)

* Information differs depending on selected data.

■ Playback screen



INFO

→ Display/hide Guide and Banner

Movie banner: Shows current Video status

(Drive type, Date and time or File name and Elapsed time.)

Navigation Guide: Shows available functions.

* In DMR mode, Next skip/Prev. skip are not available.

• Forward/Reverse: Five levels of speed 1 to 5 are available.

- In DMR mode, Resume playback is not available
 - Subtitles are not supported in MKV format.

Home network "DLNA"

Videos


Options menu

In Video view, some optional menus are available pressing **OPTION** button.

1. Display Options menu

 **OPTION** → Options menu

2. Select the item

Select the desired menu using \triangle / ∇ and press 
(Video options)

- **Repeat playback**

Set play repeat function (**Off/On**)


* Available menus are displayed on **Options menu** depending on data condition and situation.

Home network "DLNA"

Music

Playing Music

1. Display Apps list

 **HOME** → Apps list

2. Display DLNA server

Select **DLNA** using $\triangle / \nabla / \triangleleft / \triangleright$ press 

3. Select server (Available DLNA servers are displayed).

Select desired server using \triangle / ∇ from DLNA server list and press 

4. Select music (Thumbnails and contents are displayed).

Select desired content using \triangle / ∇ from file list and press 

5. Play

Follow the navigation and guide to operate.

* Displayed navigation and guide will be different depending on data type.

Home network "DLNA"

Music

Music view

■ Thumbnail view



INFO

→ Information panel (File name, Date, and Size etc.)

* Information differs depending on selected data.

■ Playback screen



INFO

→ Display/hide Guide and Banner

Music Guide: Shows current Music status

(Artist name/Album name/Song name, Elapsed time)

Navigation Guide: Shows available functions.

- Forward/Reverse: Five levels of speed 1 to 5 are available.
- * In DMR mode, Next skip/Prev. skip/User BGM settings are not available.

Home network "DLNA"

Music


Options menu

In Music view, some optional menus are available pressing **OPTION** button.

1. Display Options menu



2. Select the item

Select the desired menu using \triangle / ∇ and press 
(Music options)

- **Repeat playback**

Set play repeat function (**Off/Repeat folder/One song**)

* Available menus are displayed on **Options menu** depending on data condition and situation.

Home network "DLNA"

Data information

Compatible Data format

■ **Compatible Data format for Media player (USB flash memory)/DLNA**

Media	Compatible format
Photo	<ul style="list-style-type: none">• JPEG files (DCF and EXIF standards) Sub-sampling - 4:4:4, 4:2:2 and 4:2:0 Image resolution - 8 x 8 to 30,719 x 17,279 pixels
Videos	<ul style="list-style-type: none">• MP4 files Video codec H.264/MPEG1/MPEG2 Audio codec MPEG Audio/MP3/AAC/HE-AAC/AC3/E-AC3• MKV files Video codec H.264/MPEG1/MPEG2 Audio codec MPEG Audio/MP3/AAC/HE-AAC/AC3/ E-AC3/DTS core• FLV files Video codec H.264 Audio codec MP3/AAC• 3GPP files Video codec H.264 Audio codec AAC/HE-AAC• PS files Video codec H.264*/MPEG1/MPEG2 Audio codec MPEG Audio/MP3*/AAC*/HE-AAC*/AC3/ E-AC3*/LPCM• TS files Video codec H.264/MPEG1/MPEG2 Audio codec MPEG Audio/MP3*/AAC/HE-AAC/AC3/ E-AC3/DTS core*
Music	<ul style="list-style-type: none">• MP3 files (MP3)• M4A files (AAC) - Copy-protected files cannot be played back.• FLAC files (FLAC)• WAV files (LPCM)

* for Media player only

■ **Supported Subtitles formats**

- MicroDVD, SubRip, TMLayer (.srt, .sub, .txt)
 - The video file and subtitles text file are inside the same folder, and the file names are the same except for the file extensions.
 - If there are more than one subtitles text files inside the same folder, they are displayed in the following order of priority: "srt" "sub" "txt"

Home network "DLNA"

Data information

Notice

- The picture may not appear correctly on this TV depending on the recording equipment used.
- Some files may not be played back even if they fulfill these conditions.
- Depending on how you make USB Flash Memory or the media server, files and folders may not be displayed in the order you numbered.
- Depending on how you create the files and the structure of folders, the files and folders may not be displayed.
- When there are many files and folders, operation may take time to complete or some files may not be displayed or playable.
- The function cannot display still images that are not DCF formatted (i.e. TIFF, BMP).
- Data modified with a PC may not be displayed.
- Images imported from a PC must be compatible with EXIF 2.0, 2.1 and 2.2.
- Partly degraded files might be displayed at a reduced resolution.
- All ".JPG" extension data in the USB flash memory will be read in Photo Viewer Mode.
- The folder and file names may be different depending on the digital camera used.
- Do not use two-byte characters or other special codes.
- Connected devices may become unusable with this TV if file or folder names are changed.

Media player

Get started

Information

You can view still and motion images and play music saved on a USB flash memory.

■ **USB flash memory**

- When you use a USB device, insert straight in and pull straight out.
- Media player only supports USB Mass storage class devices.
- Remove USB device safely with **USB device setup**.
(Setup > USB device setup)

Media player

Get started

Media warning messages

Message	Meaning
No media. Please insert USB storage device.	<ul style="list-style-type: none">• The device is not inserted.
No media. Device removed.	<ul style="list-style-type: none">• The device is removed.
No photos/No movies/ No music files to play/ No playable media	<ul style="list-style-type: none">• The device has no data or this type of data is not supported.
Cannot read file	<ul style="list-style-type: none">• The file is broken or unreadable.• The TV does not support the format.

Media player

Photos

Viewing Photos


1. Insert Media

2. Display Media player

 **MEDIA PLAYER** → Media player

You can also access from Apps list.

3. Select the device in Drive select (Displays connected drive)

Select the drive using ◀ / ▶ and press 

4. Select the Photos in Media select

Select the drive using ◀ / ▶ and press 

5. Select the photo in thumbnail view

Select the data using ◀ / ▶ / ▲ / ▼ and 

* How data is displayed differs depending on data storage conditions.

6. View

Follow the Navigation and guide to operate.

* Displayed navigation and guide may differ depending on data type.

■ Other settings

Some basic menus are available after pressing the **MENU** button.

 **MENU** → Menu > Picture/Sound/Timer/Setup/Help

Media player

Photos

Photo view

■ Thumbnail view



→ Display **Slideshow settings**



→ Display **Sort**



→ Display **Drive select**



→ Display **Media select**



→ Information panel (File name, Date, and Size etc.)

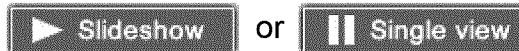
* Information differs depending on selected data.

■ Playback screen



→ Display/hide Guide and Banner

Photo status: Shows current photo status



Navigation Guide: Shows available functions.

Media player




Photos

Sort the photos

1. Display Sort select menu

  → **Sort select menu** (Folders / Sort by date / Sort by month)

2. Select the sort type

Select the type using  /  and press 

3. Displayed each screen

Folders: ascending order of numeric/alphabetical

Sort by month: ascending order of the month

Sort by date: ascending order of the day

Media player

Photos

Options menu

In Photo view, some optional menus are available after pressing the **OPTION** button.

1. Display Options menu



2. Select the item

Select the desired menu using \triangle / ∇ and press **OK**
(Slideshow settings/Thumbnails size)

* Available menus are displayed on Options menu depending on data condition and situation.

Media player

Photos

Thumbnails size

■ Thumbnails size

To change the number of photos on a thumbnail screen at a time.

(7 x 4 ⇔ 10 x 6)

Media player

Photos

Using slideshow

1. Display Slideshow settings


  → Slideshow settings

2. Adjust items

Select the item by \triangle / ∇ and adjust the settings using \triangle / ∇

- Picture quality may become lower depending on the slideshow settings.
- Picture setting may not work depending on the slideshow settings.

3. Start Slideshow

After adjusting each of the settings, select **Start slideshow** with \triangle / ∇ and press 

 **RETURN** → Stop in mid-cycle

Media player

Photos

Slideshow settings

Frame

(Off/Array/Collage/Drift (with calendar)/Drift/Gallery (with calendar)/Gallery/Cinema)

Select the Frame.

Photo effect

(Off/Sepia/Gray scale)

Select the display effect.

Auto Makeup

(On/Off)

Detects a face in the photo, checks the luminance, and then retouches the enhanced image.

Photo size

(Normal/Zoom)

Removes the black borders that are added according to the size of the photo being displayed.

Burst playback

(Off/On)

Continuously plays photos that were shot.

Display interval

(Short/Normal/Long)

Display interval sets the time each image is displayed in the Slideshow mode.

Repeat playback

(Off/On)

Turn the Slideshow Repeat (cycle) function on or off.

Soundtrack settings

(Off/Music 1/Music 2/Music 3/Music 4/Music 5/User selected/Auto)

Select the music.

User selected: Plays the soundtrack registered in the **Soundtrack settings** menu.

Auto: Plays the songs on the USB flash memory.

Media player

Photos

Soundtrack settings

You can register the favorite songs as soundtracks

- ① Select **Soundtrack settings** in **Slideshow settings** using Δ / ∇
- ② Select **User selected** using Δ / ∇
- ③ Displays **Soundtrack** popup menu, then select the desired song with Δ / ∇ and press **OK** to register

This song: Register current music

All songs in folder: Register the music in a folder

- Picture setting may not work depending on the slideshow settings.

Media player

Videos

Viewing Videos


1. Insert Media

2. Display Media player

 **MEDIA PLAYER** → Media player

You can also access from Apps list.

3. Select the device in Drive select (Displays connected drive)

Select the drive using ◀ / ▶ and press 

4. Select the Videos in Media select

Select the drive using ◀ / ▶ and press 

5. Select the video in thumbnail view

Select the data using ◀ / ▶ / △ / ▽ and 

* How data is displayed differs depending on data storage conditions.

6. Play

Follow the Navigation and guide to operate.

* Displayed navigation and guide will be different depending on data type.

■ Other settings

Some basic menus are available after pressing the **MENU** button.

 **MENU** → Menu > Picture/Sound/Timer/Setup/Help

Media player

Videos

Video view

■ Thumbnail view



→ Play the video



→ Display Drive select



→ Display Media select



→ Information panel (File name, Date, and Size etc.)

*Information differs depending on selected data.

■ Playback screen



→ Display/hide Guide and Banner

Movie banner: Shows current Video status

(Drive type, Date and time or File name and Elapsed time.)

Navigation Guide: Shows available functions.

- Forward/Reverse: Five levels of speed 1 to 5 are available.

* Subtitles are not supported in MKV format.

Media player

Videos


Options menu

In Video view, some optional menus are available by pressing the **OPTION** button.

1. Display Options menu

 **OPTION** → Options menu

2. Select the item

Select the desired menu using \triangle / ∇ and press 
(Video options)

- **Repeat playback**

Set play repeat function (**On/Off**)

* Available menus are displayed on **Options menu** depending on data condition and situation.

Media player

Music

Playing Music


1. Insert Media

2. Display Media player

 **MEDIA PLAYER** → Media player

You can also access from Apps list.

3. Select the device in Drive select (Displays connected drive)

Select the drive using ◀ / ▶ and press 

4. Select the Music in Media select

Select the drive using ◀ / ▶ and press 

5. Select the music in thumbnail view

Select the data using ◀ / ▶ / ▲ / ▼ and 

* How data is displayed differs depending on data storage conditions.

6. Play

Follow the Navigation and guide to operate.

* Displayed navigation and guide will be different depending on data type.

■ Other settings

Some basic menus are available by pressing the **MENU** button.

 **MENU** → Menu > Picture/Sound/Timer/Setup/Help

Media player

Music

Music view

■ Thumbnail view



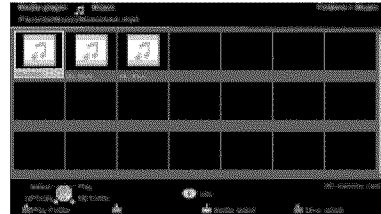
→ Play folder



→ Display Drive select



→ Display Media select



→ Information panel (File name, Date, and Size etc.)

* Information differs depending on selected data.

■ Playback screen



→ Display/hide Guide and Banner

Music Guide: Shows current Music status

(Artist name/Album name/Song name, Elapsed time)

Navigation Guide: Shows available functions.

- Forward/Reverse: Five levels of speed 1 to 5 are available.

Media player

Music

Options menu


■ **Music options**

In Music view, some optional menus are available by pressing the **OPTION** button.

1. Display Options menu

 **OPTION** → Options menu

2. Select the item

Select the desired menu using \triangle / ∇ and press 
(Music options)

● **Repeat playback**

Set play repeat function (**Off/Repeat folder/One song**)

* Available menus are displayed on **Options menu** depending on data condition and situation.