

## To Use the Wi-Fi Screen Share Function

With this function, you can use a wireless connection such as Wi-Fi direct or WiDi, etc.

Using SmartShare, you can share a device's screen through Wi-Fi Screen Share.

### To Connect the Wi-Fi direct


- 1 Press the **MENU** button.
- 2 Select a network using the **←**, **→**, **↑**, and **↓** buttons and press the **OK** button.
- 3 Select **Wi-Fi Screen Share** using the **←**, **→**, **↑**, and **↓** buttons, and press the **OK** button.
- 4 Set **Wi-Fi Screen Share** to On. (If you don't want to use this function, set to Off.)
- 5 Enable the Wi-Fi Direct settings on the device that you want to connect to.
- 6 In the list of devices that can connect to the laser projector will be displayed.
- 7 Select a device to connect to.
- 8 Select Yes when the connection request message appears.
- 9 If the device that you want to connect to accepts the request, **Wi-Fi direct** will be connected.

## Using WiDi

WiDi refers to Intel's Wireless Display technology.

Wireless Display sends video and audio files that can be played back on a notebook that supports Intel WiDi.

### WiDi (Wireless Display) Setup

- 1 Press the **MENU** button.
- 2 Select a network using the **←**, **→**, and **OK** buttons and press the **OK** button.
- 3 Select **Wi-Fi Screen Share** using the **←**, **→**, and **OK** buttons, and press the **OK** button.
- 4 Set **Wi-Fi Screen Share** to On.  
(If you don't want to use this function, set to Off.)
- 5 Run the WiDi() program on your notebook.
- 6 After running the WiDi program on your notebook, a list will show all available devices that were detected. In the list, select the Projector you want and click Connect.
- 7 Enter a 4-digit My PIN from the projector in the entry field of the Intel WiDi program and press the Continue button.
- 8 The Notebook screen will appear on the projector screen soon. Note that the wireless connection speed will affect the quality of the video displayed on the notebook. If the connection is poor, the intel WiDi connection may be lost or quality of the video may be poor.

\* For more information on Intel WiDi, visit <http://intel.com/go/widi>

\* If you press the INPUT button on the remote control or select an input item while watching WiDi, the WiDi connection will end.

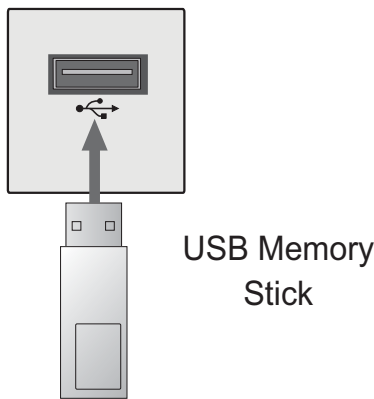
# SmartShare

## Connecting a USB Storage Device

Connect a USB storage device (external HDD or USB memory stick) to the USB port of the projector to view multimedia content.

You cannot write or delete data from the USB storage device.

Connect a USB memory stick as shown below.



## To disconnect the USB storage device

- 1 Press the **Q.MENU** button.
- 2 Use the **←** or **→** button to move to **USB Device** and press the **OK** button.
- 3 Remove the USB device.



### NOTE

- After the USB storage device is disconnected, it cannot be read. Remove the USB storage device and connect it again.

## Tips for Using a USB Device

- A USB storage device installed using an automatic recognition program or its own driver might not be recognizable.
- Some USB devices may not be supported or will not work properly.
- Please use only a USB storage device formatted as a FAT32 or NTFS file system provided by Windows.
- It is recommended to use an external USB hard disk with rated voltage of 5V or less and rated current of 500mA or less.
- It is recommended to use a USB hub or hard disk drive with power supplied. (If the power supplied is not enough, the USB storage device may not be detected properly.)
- It is recommended to use a USB memory stick which is 32 GB or less and a USB hard drive which is 1 TB or less.
- If a USB external hard drive with the power saving function does not work, turn the hard drive off and on again to make it work properly. See the owner's manual of the USB hard drive for more information.
- The data of a USB device may be damaged, so it is recommended to backup any important files. Users are responsible for data management. The manufacturer bears no responsibility.

## Supported Files for SmartShare™

- Maximum data transmission rate: 20 Mbps (Megabit per second)
- Supported external subtitle formats: \*.smi, \*.srt, \*.sub (MicroDVD, Sub-Viewer 1.0/2.0), \*.ass, \*.ssa, \*.txt (TMPlayer), \*.psb (PowerDivX)
- Supported internal subtitle formats: XSUB (subtitles from DivX6 are supported)

## Connecting DLNA

Digital Living Network Alliance (DLNA) allows you to enjoy videos, music and photos saved on your projector through a home network.

### Connecting a DLNA-Certified

#### Mobile Device

- The projector and mobile device must be connected via the same network.
- 1** Check if Wi-Fi is enabled on your mobile device.
  - 2** Install and run an app that allows you to share files on your mobile device.
  - 3** Choose to share on your mobile device.
  - 4** Select the type of file (video/audio/photo) to play.
  - 5** Select the video, music or photo to play on the projector.
  - 6** Click the Add icon to open the Browse Folder window.
  - 7** On the device where the file will play, select the projector model. (You can find the projector model on the product label.)
  - 8** Press Play ► to watch the selected file using the projector.

## Connecting DLNA DMR

### (Digital Media Renderer)

- If the PC's operating system is Windows 7 or Windows 8 or the DLNA-certified device (e.g. mobile phone) is connected via a network, you can play music / videos / photos on projector without installing a separate program.
- 1** Configure projector and PC on the same network. Configure Windows 7 or Windows 8-installed PC on the network.
  - 2** To replay a music/video/photo file, right-click on the file and use the "Remote Playback" Windows 7 or Windows 8 feature.  
To play on your mobile device, see its owner's manual.
  - 3** Even when multiple projectors are connected, the selected file is played through only one projector. The playback rate may vary depending on the network connection.

## Connecting DLNA DMP

### (Digital Media Player)

- Music, video or photo files on your PC where SmartShare PC Software is installed can be played through the projector via a home network.
- 1** Configure the projector and PC on the same network. The DLNA service is available only when the projector and all the devices are connected to a single router.
  - 2** Install SmartShare PC Software on the PC from the website. Before installation, exit all programs running in the PC such as firewall, anti-virus, etc.
  - 3** The server should be running in order to watch the shared file on your projector.



#### NOTE

- For how to use the SmartShare PC software, refer to the software help.

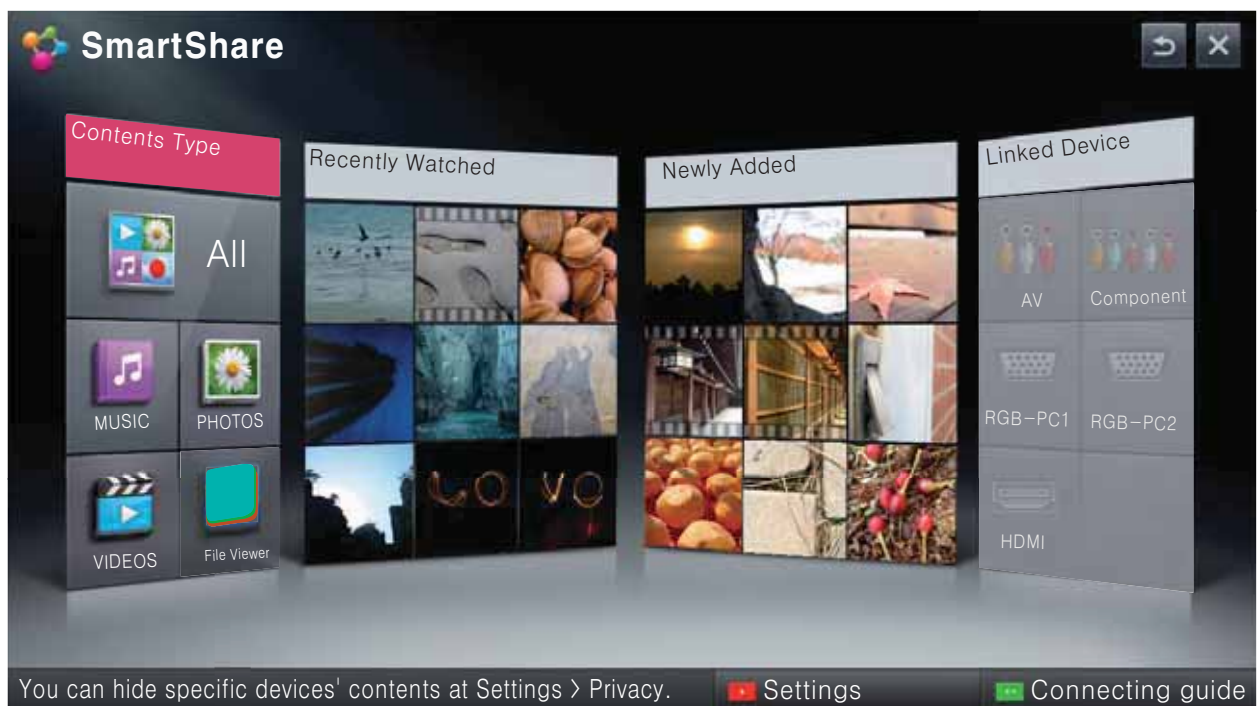
### In case of a DLNA malfunction

- Check your network settings when the DLNA option does not work properly.
- To watch the 1080p video through DLNA, a router that uses 5 GHz frequency is required. If a 2.4 GHz router is used, the video does not play properly.
- When playing a video in DLNA mode, the Multi Audio and Closed Caption features are not supported.
- If more than one projector is connected to a single server in DLNA mode, the content may not play depending on server performance.
- Subtitles are only supported on some DMC devices.
- The DLNA function may not work properly depending on the network environment.
- The DLNA function may not be supported for a router that does not support multi-cast. For more information, refer to the user guide that came with your router or contact to the manufacturer.
- Even for the file format supported by the projector, the supported file format may differ depending on the DLNA server environment.
- If there are too many folders or files in a folder, it may not work properly.
- The information on the file imported from the DLNA server may not be displayed correctly.
- When viewing video subtitles on a DLNA server, we recommend that you use SmartShare PC Software.
- When a subtitle file is added later, disable the shared folder and then enable it again.
- The DRM file and document file in the DLNA server are not played.

# Using SmartShare™

- 1 Press the **USB** button on the remote control.

You can watch the photo, music, video and document on the projector by connecting a USB or home network (DLNA). The photo, music, video and document files of all devices connected to the projector are displayed. (For the document files, only those in the devices connected via USB are displayed.)



## Watching Videos

- \* In Movie List, you can watch movies stored on the connected USB device.

### **Tips for Playing Videos**

- Some subtitles created by a user may not work.
- A video file and its subtitle file must be located in the same folder. A video file name and its subtitle file name must be identical in order to display the subtitle properly.
- Streaming files which include GMC (Global Motion Compensation) or Qpel (Quarterpel Motion Estimation) is not supported.
- H.264/AVC profile level 4.1 or below is supported.
- The file sizes that can be played may be different depending on the encoding environment.
- Video files created by some encoders may not be played back.
- Video files in formats other than the ones specified here may not be played back.
- Videos stored on a USB device that does not support high-speed playback may not play properly.
- The DTS is supported only for playback of USB video file.



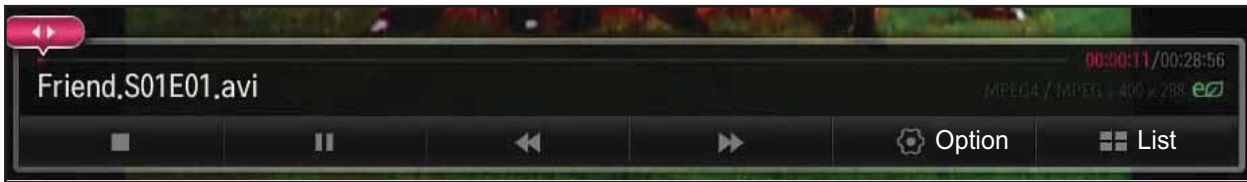
## Supported Video Codecs

Maximum resolution: 1920 x 1080 @30p

Extension	Codec	
.asf .wmv	Video	VC-1 Advanced Profile, VC-1 Simple and Main Profile
	Audio	WMA Standard, WMA 9 Professional
.divx .avi	Video	DivX3.11, DivX4, DivX5, DivX6, XViD, H.264/AVC, Motion Jpeg
	Audio	MPEG-1 Layer I, II, MPEG-1 Layer III (MP3), Dolby Digital, Dolby Digital Plus, LPCM, ADPCM, DTS
.mp4 .m4v .mov	Video	H.264/AVC, MPEG-4 Part 2
	Audio	AAC
.mkv	Video	H.264/AVC
	Audio	HE-AAC, Dolby Digital
.ts .trp .tp	Video	H.264/AVC, MPEG-2, VC-1
	Audio	MPEG-1 Layer I, II, MPEG-1 Layer III (MP3) Dolby Digital, Dolby Digital Plus, AAC
.vob	Video	MPEG-1, MPEG-2
	Audio	Dolby Digital, MPEG-1 Layer I, II, DVD-LPCM
.mpg .mpeg .dat	Video	MPEG-1
	Audio	MPEG-1 Layer I, II

## Controlling Video Playback

You can control playback using the following buttons.



Item	Description
	Shows the current playing position. Use the < or > button to move forward or backward.
■	Stops playing and returns to Movie List.
▶	Resumes normal playback.
	Pauses the media player.
▶▶	Displays in slow motion.
◀ ▶	Whenever this button is pressed, the playback speed is changed.
Option	Sets the option.
List	Stops the playback and returns to the list.

## Viewing Photos

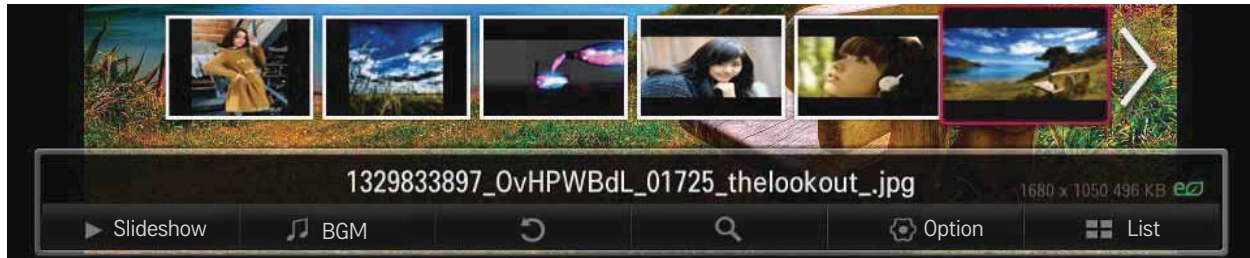
You can view photos stored on a connected device.

### Photo File

File Format	Item	Profile	
2D (jpeg, jpg, jpe)	Supported format	SOF0: Baseline SOF1: Extend Sequential SOF2: Progressive	
	Size	Min.	64 x 64
		Max.	Normal Type: 15360 (W) x 8640 (H) Progressive Type: 1920 (W) x 1440 (H)

## Controlling Photo Playback

You can control playback using the following buttons.



Item	Description
<, >	Selects the previous or next photo.
Slide-show	If no picture is selected, all photos in the current folder are displayed in a slide show. If some photos are selected, those photos are displayed in a slide show. <ul style="list-style-type: none"> <li>• Set <b>Slide Speed</b> in the <b>Option</b> → <b>Set Photo View.</b> menu.</li> </ul>
BGM	You can listen to music while viewing full-size photos. <ul style="list-style-type: none"> <li>• Set <b>BGM</b> in the <b>Option</b> → <b>Set Photo View.</b> menu.</li> </ul>
↻	Rotates photos. <ul style="list-style-type: none"> <li>• Rotates a photo 90 °, 180 °, 270 °, 360 ° clockwise.</li> <li>• Photos cannot be rotated if their width is greater than the height of the maximum supported resolution.</li> </ul>
🔍	Enlarges or reduces the photo. Use the <b>Up/Down/Left/Right</b> buttons to select a page and press the <b>OK</b> button.
Option	A setting popup window will appear.
List	Stops the playback and returns to the list.

## Listening to Music

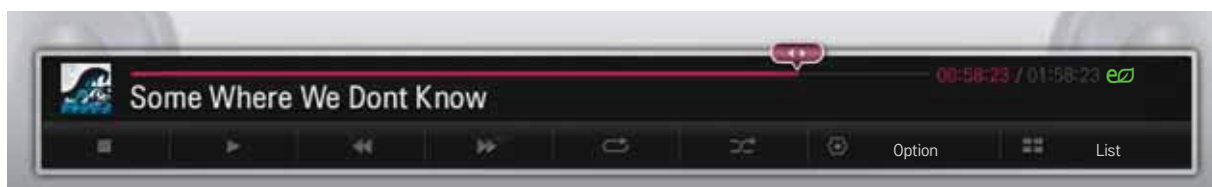
You can play audio files stored on the connected device.

### Audio File

File Format	Item	Profile
MP3	Bit rate	32 kbps - 320 kbps
	Sample freq.	16 kHz, 48 kHz
	Support	MPEG1, MPEG2, Layer2, Layer3

### Controlling Music Playback

You can control playback using the following buttons.



Item	Description
	Changes the playing position.
■	Stops playing.
▶	Resumes normal playback.
	Pauses the media player.
◀▶	Plays the previous/next file.
↺	Sets the repeat playback.
↻	Sets the random playback.
Option	Sets <b>Option</b> for the music list.
List	Returns to a list.

## Viewing Files

You can see document files stored on a connected device.

### Supported File Formats

XLS, DOC, PPT, TXT, XLSX, PPTX, DOCX, PDF, HWP

Microsoft Office 97/2000/2002/2003/2007 version

Adobe PDF 1.0/1.1/1.2/1.3/ 1.4 version

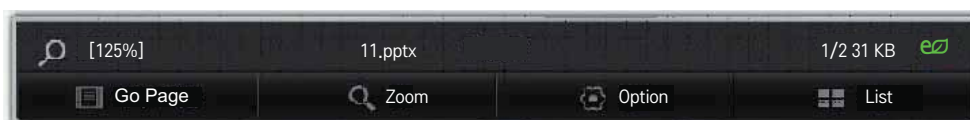
Hangul 97/2000/2002/2005/2007

- File Viewer realigns a document, so it may look different from what is displayed on a PC.
- For documents that include images, the resolution may look lower during the realigning process.
- If the document is large or has many pages, it may take longer to load the document.
- Unsupported fonts may be replaced by other fonts.

### Browsing File Viewer

You can control playback using the following buttons.

- Press the **Go Page** button to move to the previous or next page.
- Press the volume button to **zoom in** or **zoom out**.
  1. Press the **OK** button.
  2. Press the **Up/Down/Left/Right** buttons to move to Go Page or Zoom.



Item	Description
Go Page	Moves to the page you want.
Zoom	Enlarges or reduces the photo.
Option	Sets <b>Option</b> for File Viewer.
List	Returns to a list.

## Using Magical Mirroring

The magical mirroring feature is used to wirelessly transmit and project the screen of a network-connected laptop (PC) to a projector. To use this feature, the MirrorOp Sender, an application for PC, should be installed in the user's laptop (PC).

Please install this PC program using the Magical Mirroring program CD provided with this product.

### Installing Magical Mirroring

- 1 Select the Magical Mirroring software on the main window of the provided CD to start the installation.
- 2 After the installation is complete, the program starts checking the user PC performance.
- 3 The user PC screen may blink or resolution may be changed automatically during the performance check.
- 4 When the check is finished, press the Exit button to end the program.

### System Requirements

CPU	Dual core 1.8 GHz or higher (excluding Atom processor)
Display Adaptor	nVIDIA or ATI graphic card with 64MB VRAM or above
Operating System	Windows Vista(32 bit/64 bit), Windows 7(32 bit/64 bit), Windows 8(32 bit/64 bit)
WiFi	802.11 n

## Running Magical Mirroring

- 1 Select Magical Mirroring from the Settings.



### CAUTION

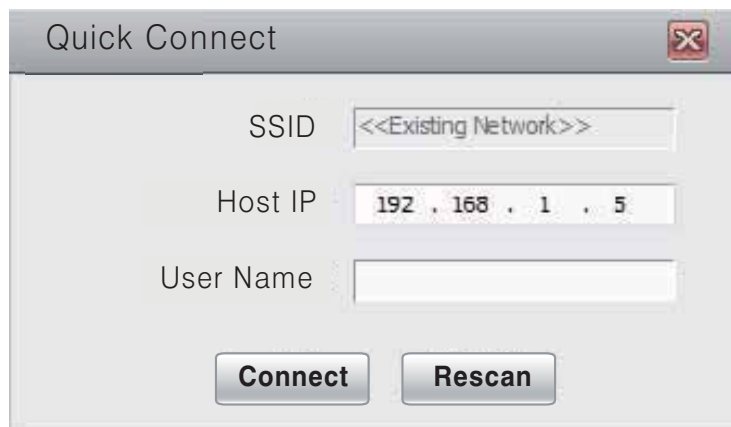
- Magical Mirroring is available only when a network is connected.
- When Magical Mirroring is running, only the following buttons are available on the remote control and control panel: Power, Volume, Previous and Exit.
- **When Magical Mirroring is running, XGA (1024x768) is recommended for the screen resolution.**
- **A video and audio may not play properly at a high resolution.**

- 2 After running Magical Mirroring, execute the MirrorOp Sender program in the PC on a standby screen as follows.





- 3 To the Remote Device IP field of the MirrorOp Sender, enter the IP which is the same as the host IP of the Magical Mirroring and press Connect.



<PC Screen>

- 4 When the MirrorOp Sender is connected properly, the connected PC is displayed under Magical Mirroring Device List as shown below. Then, the PC's screen is projected.



If the MirrorOp Sender is not connected, check whether the PC and the projector are connected to the same wireless router.



### CAUTION

- While running Magical Mirroring, the video or audio transmitted from the PC may be interrupted due to PC performance or wireless network status.

## MirrorOp Sender

### Changing MirrorOp Mode



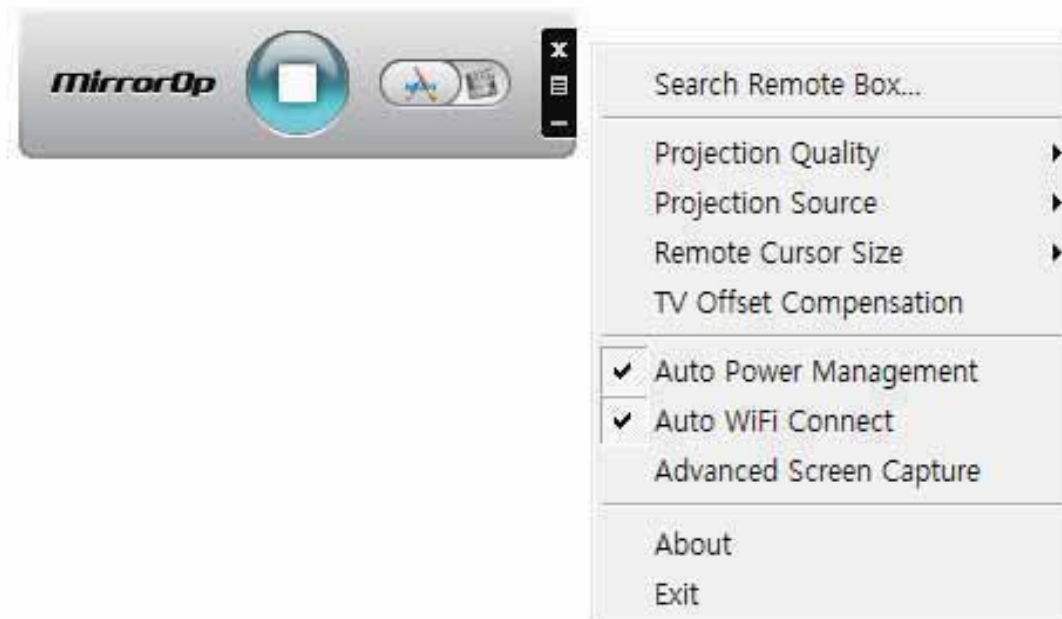
- Move the button to this position to change the transfer mode to **application mode**.



- Move the button to this position to change the transfer mode to **movie mode**.

Mode	Description
<b>Application Mode</b>	When MirrorOp is set to this mode, the software will transfer images with greater quality. When you run applications such as games, you can set to this mode. This mode requires large bandwidth, so we suggest you to use the wired network when using this mode.
<b>Movie Mode</b>	This mode is only for movies. When you play a movie on your PC, you can change to this mode. In this mode, the mouse and other applications do not work in real time.

## Configuring MirrorOp



### - Search Remote Box

- Select this option to search devices available on the connected network.

### - Projection Quality

- Select this option to change the projected image quality. If the network connection is good, select the "Best"; if not, "Normal".

### - Projection source

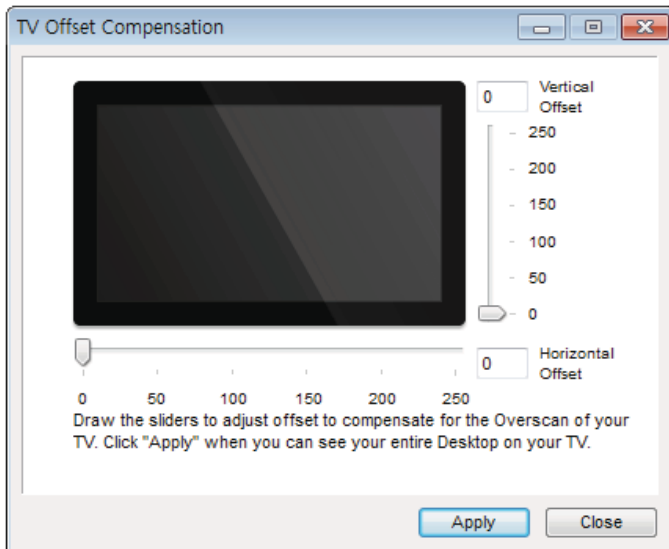
- Select this option to set the screen to show through the projector. The default value is "Main Screen". If "Virtual Extended Screen" is selected, it displays the desktop's extended screen.

### - Remote Cursor Size

- Select this option to adjust the size of the mouse cursor. (1x, 2x, 3x)

## - TV Offset Compensation

- Select this option to adjust the screen size projected by the projector. Adjust the horizontal/vertical offset and click the Apply button.



## - Auto Power Management

- Select this option when running the MirrorOp application on a laptop.  
When you choose this option, a Wi-Fi network will be provided at an optimum level.

## - Auto WiFi Connect

- When you choose this option, you MirrorOp will automatically connect to the server and log in.







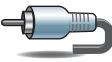

## - Advanced Screen Capture

- Different PCs have different video output designs. When this option is not selected, some layers might not be captured, for example if you play a movie using a special media player. When you play a movie on your pc, and cannot see the picture on the projector, make sure to choose this option.

# CUSTOMIZING SETTINGS

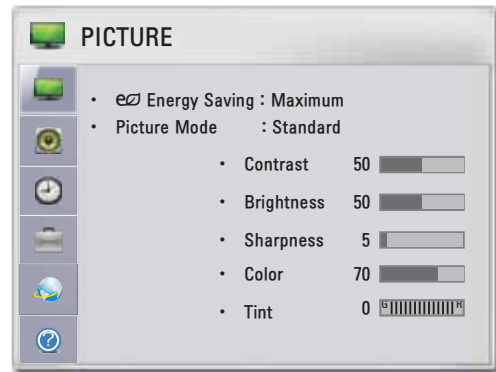
## SETUP Menu

- 1** Press the **MENU** button.
- 2** Use the **←**, **→**, or **OK** button to select the desired item and press the **OK** button.
- 3** Use the **←**, **→**, or **OK** button to set up the desired item and press the **OK** button.
- 4** Press the **EXIT** button when completed.

Menu		Description
	PICTURE	Adjusts the image quality for optimal viewing.
	AUDIO	Adjusts the sound quality and volume level.
	TIME	Sets time-related settings.
	OPTION	Customizes the general settings.
	NETWORK	Sets the network.
	SUPPORT	Shows the projector information.
	INPUT	Lets you select the desired input.
	SMART SHARE	Allows you to view photo, music, video and document files on the projector by connecting to a USB or home network (DLNA).

# PICTURE Settings

- 1 Press the **MENU** button.
- 2 Use the **Left** or **Right** button to select **PICTURE** and press the **OK** button.
- 3 Use the **Up**, **Down**, or **Left** button to set up the desired item and press the **OK** button.
  - To return to the previous menu, press the **Left** button.



The available picture settings are described as follows.

Item	Description
<b>Energy Saving</b>	Adjusts the brightness. <ul style="list-style-type: none"> <li>• If the temperature around the projector is high, mode changing is limited to protect the internal system.</li> </ul>
<b>Picture Mode</b>	Selects one of the preset images or customizes options in each mode for the best screen performance. You can also customize advanced options for each mode.
<b>Mode</b>	
<b>Vivid</b>	Maximizes the visual effect of video. Displays a crystal clear picture by enhancing contrast, brightness, and sharpness.
<b>Standard</b>	Displays the picture with normal contrast, brightness and sharpness.
<b>Cinema</b>	Optimizes the image for a movie.
<b>Game</b>	Optimizes the image for playing games on fast-moving screens.
<b>Black Mode</b>	Provides optimized picture quality on a dark-colored screen or a chalkboard by removing the input image's colors and reversing the contrast. <ul style="list-style-type: none"> <li>* Black mode is only available when the external input is set to either of RGB1, RGB2 or HDMI and the resolution is set to 1280x800.</li> <li>* If you change the resolution to other value than 1280 x 800 while the picture mode is set to the black mode, the picture mode is automatically reset to the default value.</li> <li>* You cannot control the picture settings when the picture mode is set to the black mode.</li> </ul>
<b>Expert1/2</b>	Adjusts the detailed image settings.

Item	Description	
<b>Contrast</b>	Increases or decreases the gradient of the video signal.	
<b>Brightness</b>	Adjusts the base level of the video signal to make the image brighter or darker.	
<b>Sharpness</b>	Adjusts the level of sharpness in the edge between the light and dark areas of the picture. The lower the level is, the softer the image looks. Horizontal and Vertical Sharpness are available only in Expert1/2.	
<b>Color</b>	Adjusts the intensity of all colors.	
<b>Tint</b>	Adjusts the balance between red and green levels.	
<b>Advanced Control</b>	Customizes the advanced settings.	
<b>Picture Option</b>	Sets optional settings.	
<b>Picture Reset</b>	Restores each mode's options to the factory default.	
<b>Aspect Ratio</b>	Resizes the picture.	
<b>Screen (RGB-PC)</b>	Adjusts the picture quality in RGB-PC input.	
	<b>Item</b>	
	<b>Resolution</b>	Available resolutions are 768 resolution (1024x768/ 1280x768/ 1360x768, 60 Hz) and 1050 resolution (1400x1050/ 1680x1050, 60 Hz).
	<b>Auto Config.</b>	Provides optimized picture quality by automatically calibrating mismatched horizontal width and shaky picture caused by conflicts between the internal settings of the projector and various PC graphic signals. <ul style="list-style-type: none"> <li>You can also use the <b>AUTO</b> button on the remote control.</li> </ul>
	<b>Position</b>	Moves the image up/down/left/right.
	<b>Size</b>	Changes the screen size.
	<b>Phase</b>	Makes the picture look clear by removing horizontal noise.
	<b>Reset</b>	Restores all the settings to the factory default.

## Advanced Control

Item	Description
<b>Dynamic Contrast</b>	Adjusts the contrast to keep it at the best level for the brightness of the screen.
<b>Dynamic Color</b>	Adjusts screen colors so that they look natural.
<b>Clear White</b>	Makes the white area of the screen look brighter and whiter.
<b>Preferred Color</b>	<b>Skin Color</b> Adjusts the skin color in the picture to your preference.
	<b>Grass Color</b> Adjusts only the natural color area of e.g., field and mountain.
	<b>Sky Color</b> Adjusts only the color of the sky.
<b>Super Resolution</b>	Improves blurry and unclear parts in the picture to make the picture more vivid.
<b>Color Temperature</b>	Adjusts the overall color of the picture. You can select Warm, Cool or Medium.
<b>Gamma</b>	Sets a gradation curve between video input and output signal.
<b>Color Gamut</b>	Selects the range of colors to display. <ul style="list-style-type: none"> <li>• <b>Standard:</b> Displays the original colors of an input signal regardless of the display features.</li> <li>• <b>Wide:</b> Makes use of the display's rich colors.</li> </ul>

\* Available options may differ depending on input signal or video mode, etc.

## Picture Option

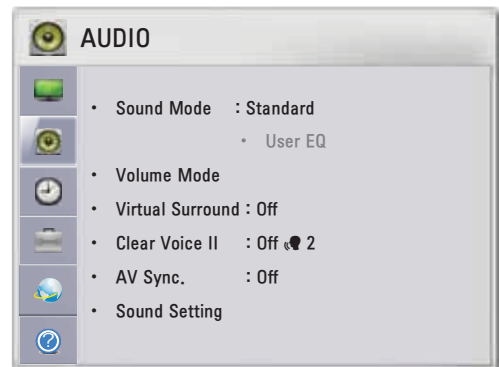
Item	Description
<b>Noise Reduction</b>	Removes noises in the picture.
<b>MPEG Noise Reduction</b>	Reduces the noise produced while creating digital video signals.
<b>Black Level</b>	Compensates the brightness and contrast of a screen to balance with the black level of the video input.
<b>Real Cinema</b>	Provides optimal picture quality for watching a movie.
<b>TruMotion</b>	Makes the picture look smooth by compensating it.
	<b>Mode</b>
	<b>Smooth</b> The De-Judder value is set to 3.
	<b>Clear</b> The De-Judder value is set to 7.
<b>User</b>	<ul style="list-style-type: none"> <li>• You can set this function manually.</li> </ul> <b>De-Judder:</b> Adjusts the juddering on a screen.

- If the video signal is 60 Hz, TruMotion may not work.



## AUDIO Settings

- 1 Press the **MENU** button.
- 2 Use the **Left** or **Right** button to select **AUDIO** and press the **OK** button.
- 3 Use the **Up**, **Down**, or **Left** button to set up the desired item and press the **OK** button.
  - To return to the previous menu, press the **Left** button.

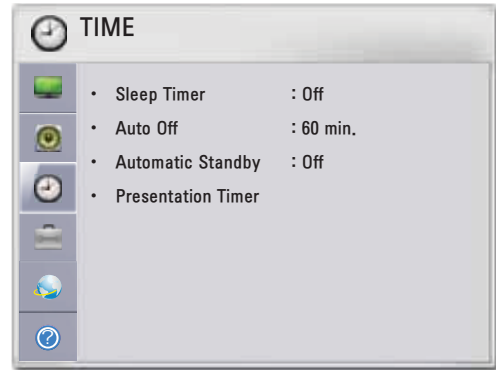


The available audio settings are described as follows.

Item	Description
<b>Sound Mode</b>	Sets the sound mode.
<b>User EQ</b>	Allows you to adjust the treble and bass sound. * It is activated when "User Setting" is selected in Sound Mode.
<b>Volume Mode</b>	Sets the projector volume.
<b>Virtual Surround</b>	Provides realistic stereo sound.
<b>Clear Voice II</b>	Makes the voice from the projector crisp and clear.
<b>AV Sync.</b>	Allows you to manually adjust picture and audio when they are not synced.
<b>Sound Setting</b>	Balances the sound.
<b>Mic Setting</b>	Allows you to connect and use a microphone. * When using a microphone, it is normal to only hear sound from the microphone. * You can adjust the microphone volume using the volume key. * The microphone function is only available for external inputs (RGB, HDMI, AV, or Component).

# TIME Settings







- 1 Press the **MENU** button.
- 2 Use the **←** or **→** button to select **TIME** and press the **OK** button.
- 3 Use the **↑**, **↓**, or **→** button to set up the desired item and press the **OK** button.
  - To return to the previous menu, press the **↶** button.

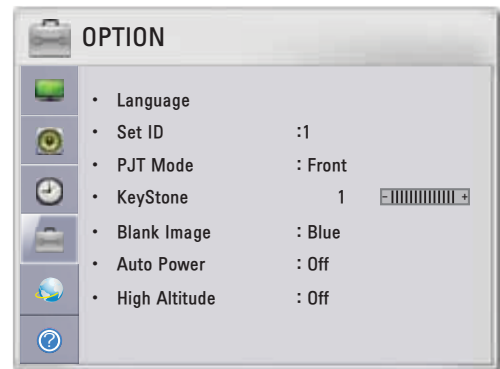


The available time settings are described as follows.

Item	Description	
<b>Sleep Timer</b>	The projector is turned off at the preset time.	
<b>Auto Off</b>	If there is no signal, the projector automatically turns off after the preset time has elapsed.	
<b>Automatic Standby</b>	Turns off the projector automatically if there is no input for the given time.	
<b>Presentation Timer</b>	<b>Time Alarm</b>	Displays an alarm at the specified time. * If you set the time to 5 minutes, the time is displayed on the screen at a 1 minute interval. If you set the time to 10 minutes or more, the time is displayed at a 5 minute interval. If the remaining time is less than 5 minutes, it is displayed at a 1 minute interval. * You can set the time to 5, 10, ..., 60 minutes in 5-minute increments.
	<b>Time Keeper</b>	Displays the time remaining until the time specified on the screen. * For between 1 and 10 minutes, the time can be set in increments of 1 minute; and for between 10 and 60 minutes, in increments of 5 minutes.

## OPTION Settings

- 1 Press the **MENU** button.
- 2 Use the  or  button to select **OPTION** and press the **OK** button.
- 3 Use the , , or  button to set up the desired item and press the **OK** button.
  - To return to the previous menu, press the  button.



The available option settings are described below.

Item	Description
<b>Language</b>	Selects the desired language.
<b>Set ID</b>	Sets the unique number of a projector when it is being remotely controlled by PC.
<b>PJT Mode</b>	Turns the projected image upside down or flips it horizontally.
<b>Keystone</b>	Compensates for the trapezoidal image shape created when projecting an image from an angle not perpendicular to the screen.
<b>Blank Image</b>	Selects the background for blank image.
<b>Auto Power</b>	Makes the projector turn on automatically when the power cord is connected.
	<b>Item</b>
	<b>On</b> When the power cord is connected to the projector, it turns on automatically.
<b>Off</b> When the power cord is connected to the projector, it goes into standby mode.	
<b>Interactive</b>	Sets the Interactive mode. (For SA565) * Operate only in RGB/HDMI input mode. * The aspect ratio is changed to Full when the Interactive function is used.
<b>High Altitude</b>	If the projector is used at an altitude higher than 1200 meters, turn this option on. When <b>High Altitude</b> is not enabled, the projector may overheat or its protection function may be activated. If this happens, turn the projector off and then on again after waiting for several minutes.
<b>Monitor Out</b>	You can select one of the two RGB inputs connected as an output of the RGB OUT port. When "Auto" is selected, the current input you are watching is displayed, among "RGB1" and "RGB2" inputs.

Item	Description
<b>Auto Input Search</b>	Automatically searches for and displays the input signal type when it is received. It is available only with external inputs (RGB, HDMI, AV and Component).
<b>Balloon Help</b>	Enables/disables the balloon help.
<b>Initial Setting</b>	Resets all projector settings to the factory default.

## NETWORK Settings

- 1** Press the **MENU** button.
- 2** Use the **←** or **→** button to select **NETWORK** and press the **OK** button.
- 3** Use the **↑**, **↓**, or **←** button to set up the desired item and press the **OK** button.
  - To return to the previous menu, press the **↶** button.



The available network settings are described below.

Item	Description
<b>Network Connection</b>	Connects a wireless network.
<b>Network Status</b>	Displays the connection status of the wireless network.
<b>Wi-Fi Screen Share</b>	Wi-Fi Screen Share supports wireless connection technology, such as Wi-Fi Direct and WiDi. You can share the file and screen of the devices connected by the Wi-Fi Screen Share on the SmartShare.
<b>Smart Share Setting</b>	Changes the settings for SmartShare.
<b>Magical Mirroring</b>	Transmits wirelessly and projects the screen of a network-connected laptop (PC) to a projector.
<b>eZ-Net Manager</b>	Allows you to control one or more projectors in an easier way through a local area network.

## SUPPORT

- 1 Press the **MENU** button.
- 2 Use the **←** or **→** button to select **SUPPORT** and press the **OK** button.
- 3 Use the **↑**, **↓**, or **→** button to set up the desired item and press the **OK** button.
  - To return to the previous menu, press the **↶** button.



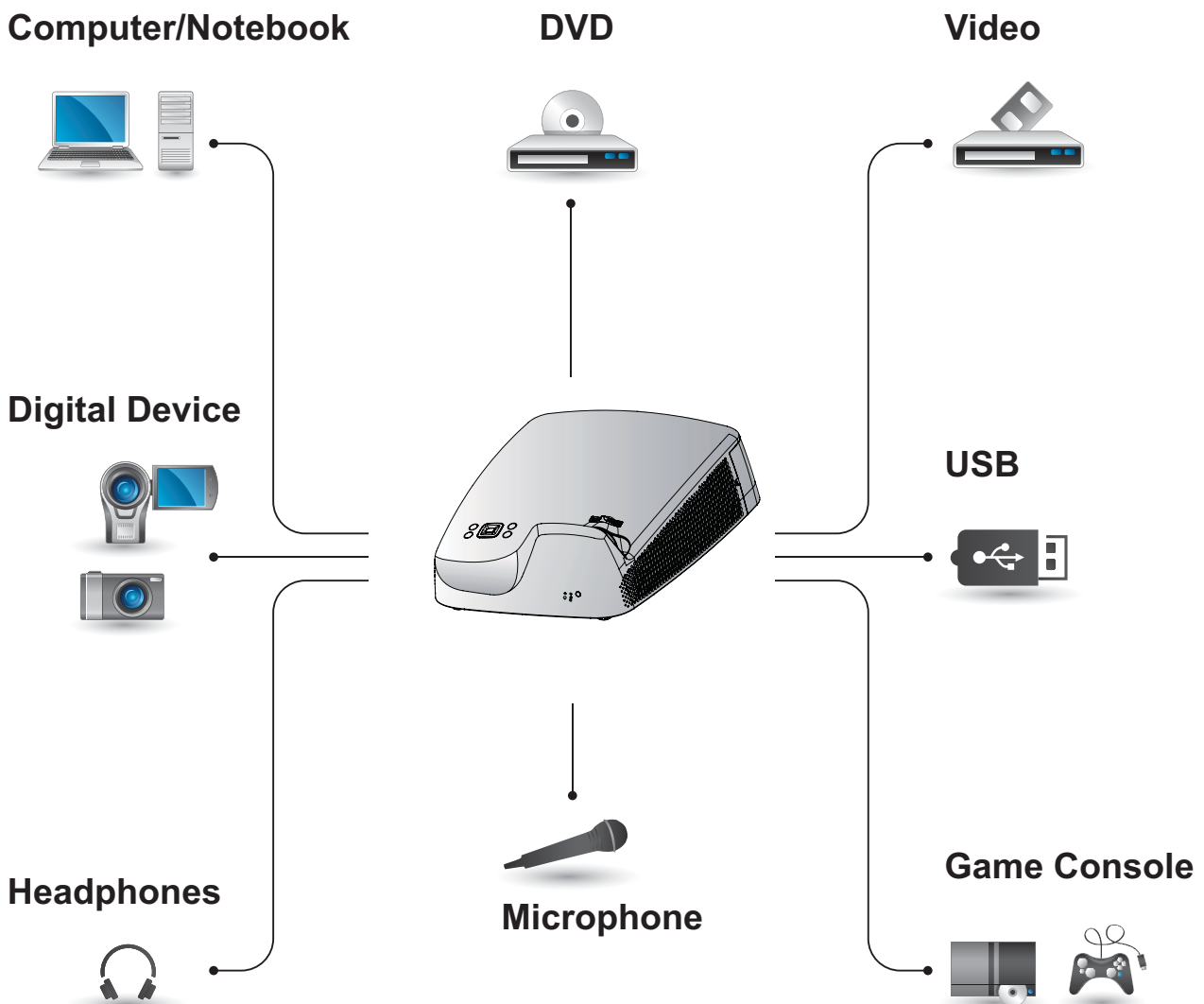
The available support settings are described below.

Item	Description
<b>Software Update</b>	Updates to the latest software.
<b>Product/Service Info.</b>	Shows the product/service information.
<b>Self Diagnosis</b>	Troubleshoots functional problems that can arise while using the product.

# CONNECTING DEVICES

You can connect various external devices to the projector.

- The ports on the back of the projector are designed for the ceiling installation, so their label is printed upside down for your convenience.
- The picture may be different from the actual product.



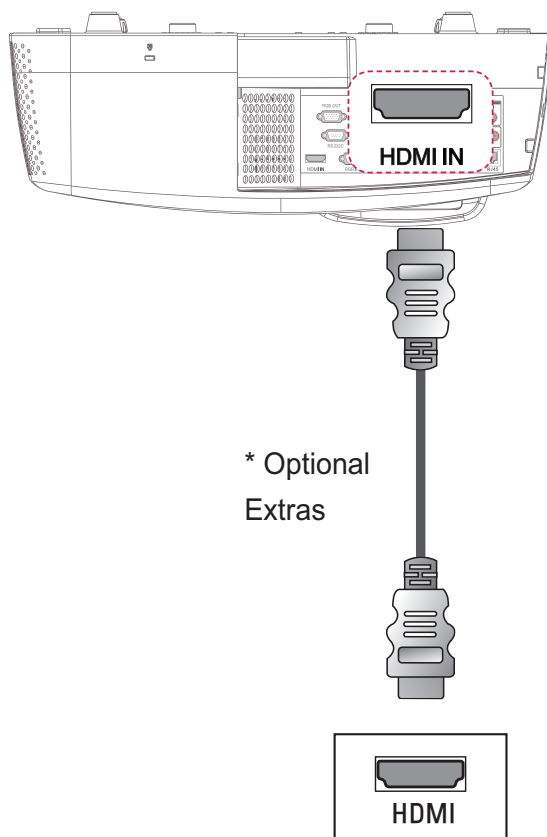
## Connecting to HD Receiver, DVD, or VCR Player

Connect an HD receiver, DVD, or VCR player to the projector and select an appropriate input mode.

### HDMI Connection

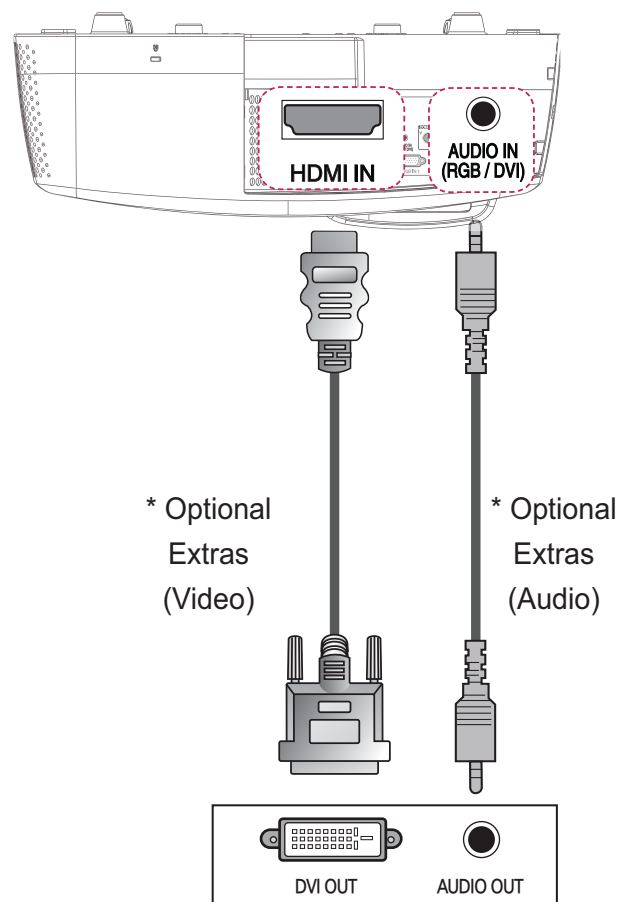
With an HDMI cable, you can enjoy high quality picture and sound. Connect the projector's HDMI IN port to the HDMI output port.

Press the **INPUT** button on the remote control to select **HDMI**.



### HDMI to DVI Connection

Using an HDMI to DVI cable, connect the projector's HDMI IN port to the DVI OUT port. To output audio, use an audio cable for connection. Press the **INPUT** button on the remote control to select **HDMI**.



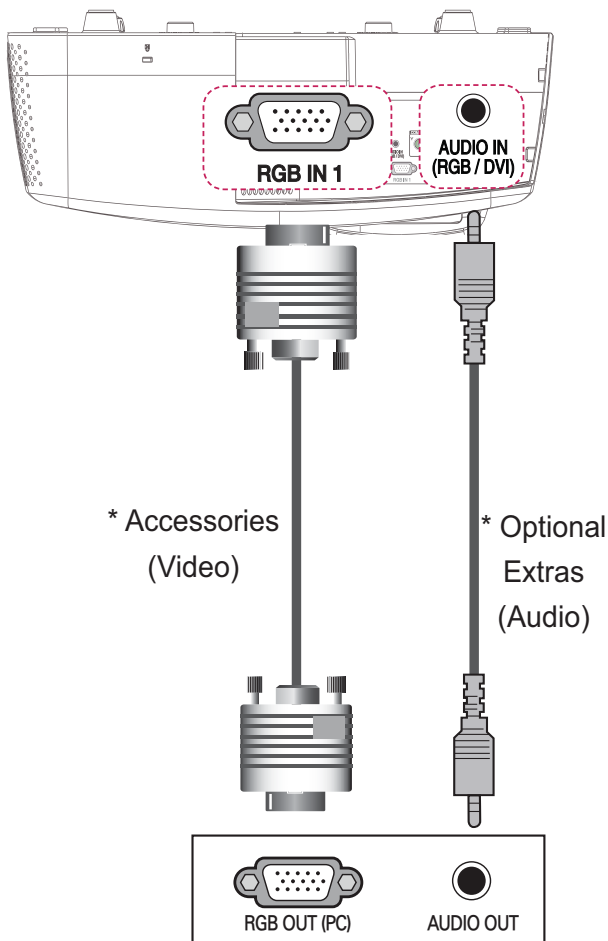
## PC Connection

The projector supports Plug & Play. Your PC will automatically detect the projector and requires no driver installation.

### RGB Connection

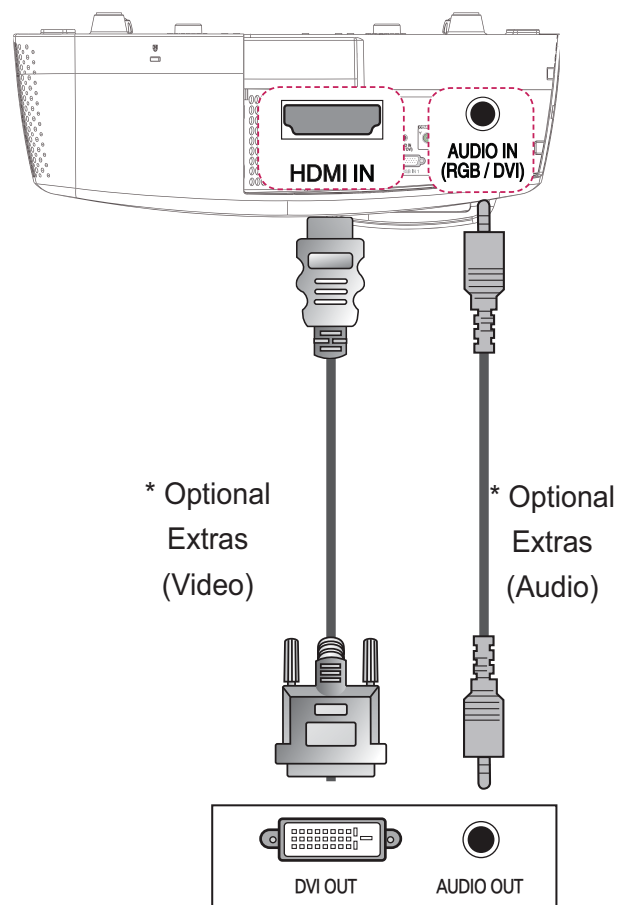
Connect the PC output and the PC video input port of the projector with the RGB cable.

Connect the projector's RGB IN 1 or RGB IN 2 port to the RGB out port. To output the audio, connect the PC to the projector using an audio cable.



### HDMI to DVI Connection

Using an HDMI to DVI cable, connect the projector's HDMI IN port to the DVI OUT port. To output audio, use an audio cable to connect the PC to the projector.

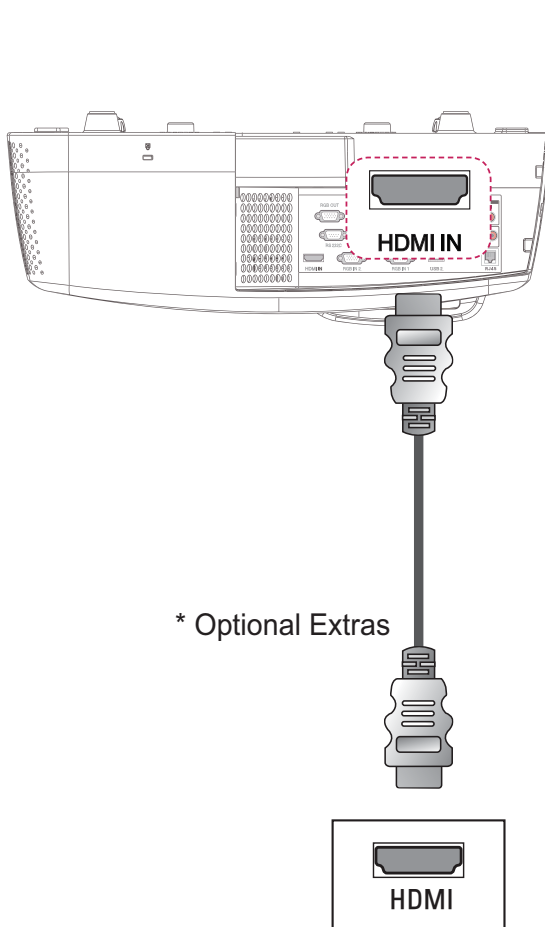




## HDMI Connection

With an HDMI cable, you can enjoy high quality picture and sound. Connect the projector's HDMI IN port to the HDMI output port.

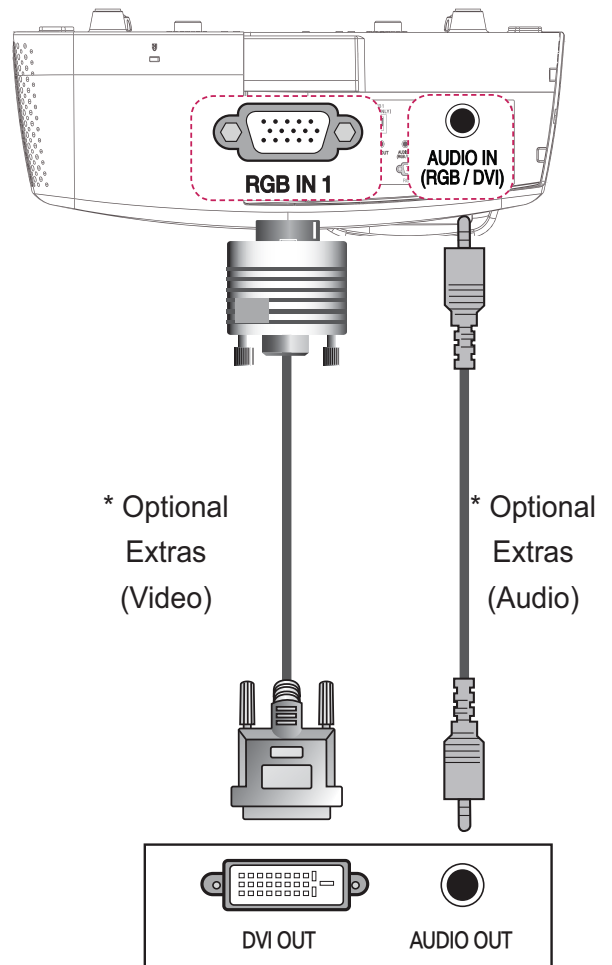
Press the **INPUT** button on the remote control to select **HDMI**.



## RGB to DVI Connection

Connect the projector's RGB IN 1 or RGB IN 2 port to the DVI OUT port.

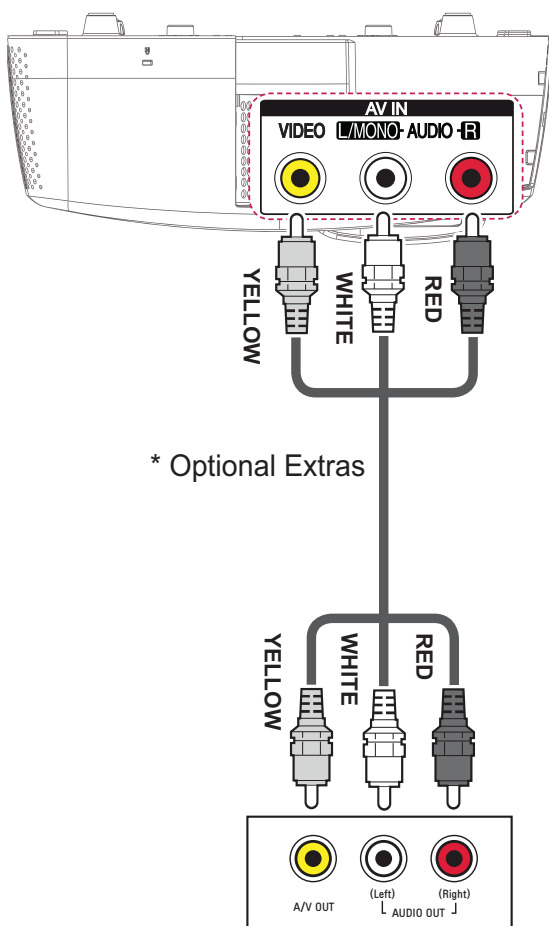
To output the audio, connect the PC to the projector using an audio cable.



# Connecting to External Devices

## AV Connection

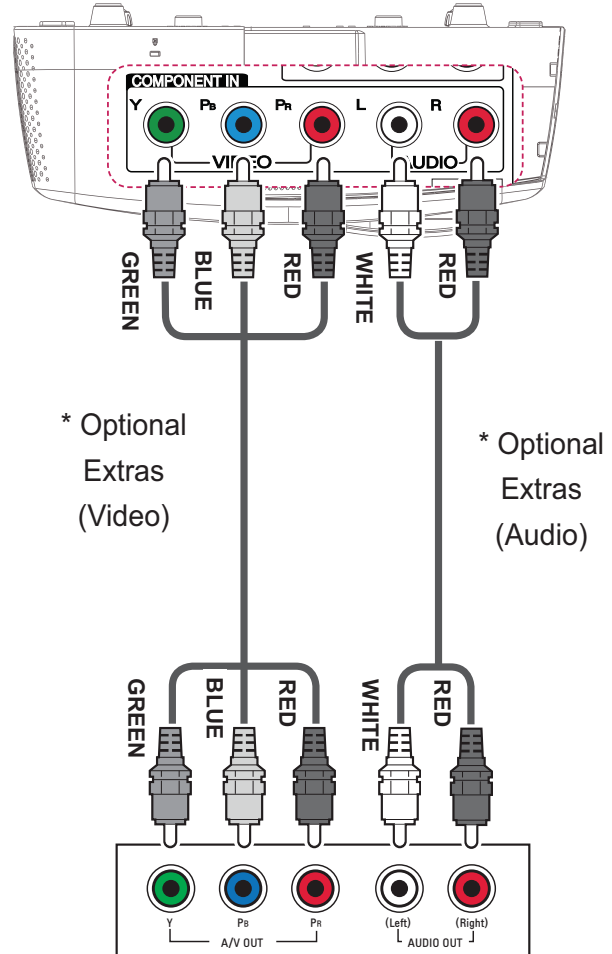
Connect the output ports of an external device and the AV INPUT ports of the projector. Press the **INPUT** button on the remote control to select the **AV**.



## Component Connection

You can enjoy vivid images when you connect an external device with a component port to the COMPONENT IN port of the projector. Press the **INPUT** button on the remote control to select **Component**.

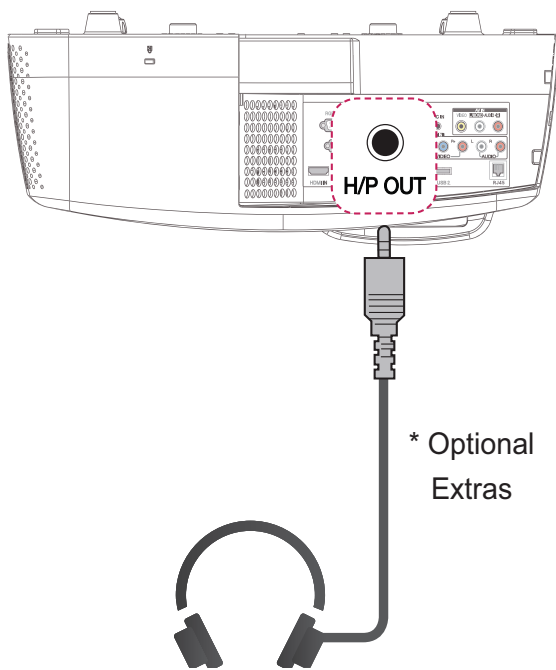
The output jack Y, P<sub>B</sub> or P<sub>R</sub> of the DVD player may be marked as Y, B-Y, R-Y/Y, Cb, Cr/Y, Pb or Pr depending on the model.



## Connecting to Headphones

### Headphone Connection

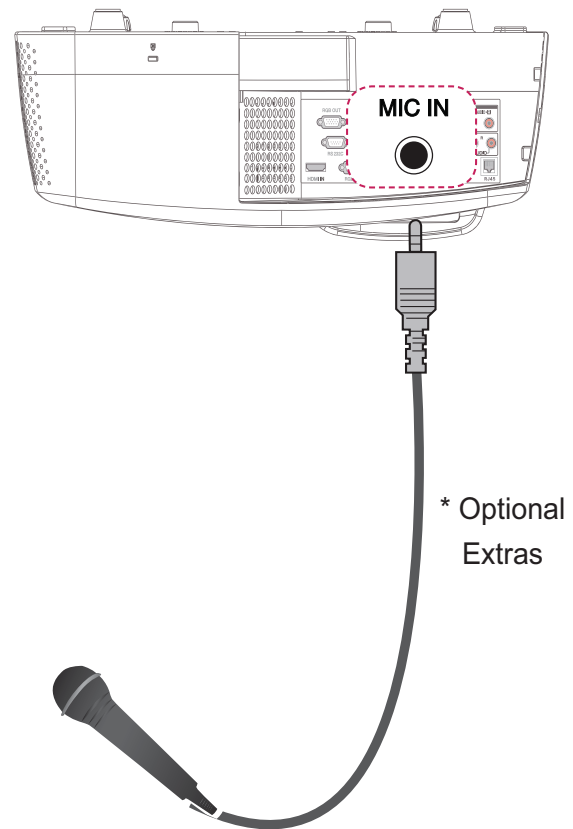
You can listen to the audio through a headphone.



## Connecting to a Microphone

### Microphone Connection

You can connect a microphone to the MIC IN port of the projector.

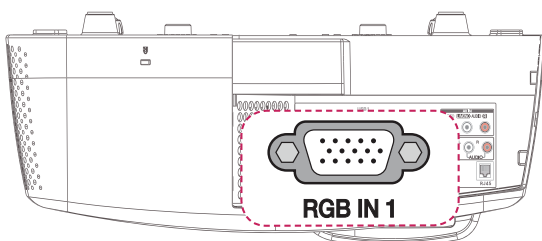


## Connecting to a Laptop

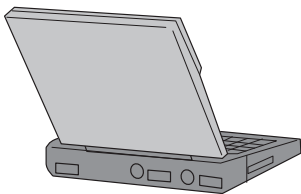
You can connect the projector to a laptop to use various functions.

### RGB Connection

You can connect your laptop to the RGB IN 1 or RGB IN 2 port of the projector.

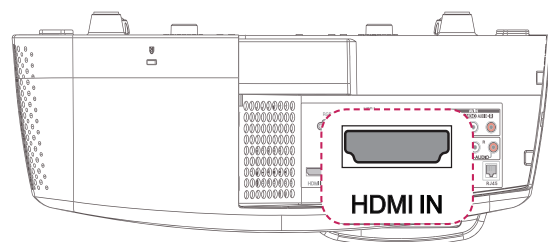


\* Accessories

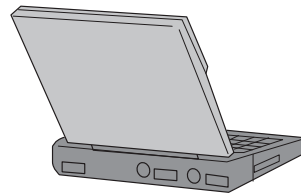


### HDMI Connection

Connect the projector's HDMI IN port to the HDMI output port.



\* Optional Extras



The table below shows examples of switching the output. For more information, refer to the "External Output", "Connecting to an External Monitor", or similar sections of the owner's manual of your computer.

Brand	Switching Output
NEC	[Fn]+[F3]
Panasonic	[Fn]+[F3]
Toshiba	[Fn]+[F5]
IBM	[Fn]+[F7]
Sony	[Fn]+[F7]
Fujitsu	[Fn]+[F10]
LG	[Fn]+[F7]
Samsung	[Fn]+[F4]
Macintosh	Adjust the control panel to enable mirroring after start-up.