# Dell Advanced Projector S718QL
# User's Guide

# Notes, Cautions, and Warnings

**NOTE:** A NOTE indicates important information that helps you make better use of your projector

**CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.**

**WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Provide an earthing connection.

Provide an earthing connection before the main plug is connected to the mains.

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Model: Dell Advanced Projector S718QL

**July 2017 Rev. A00**

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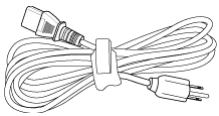
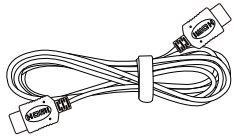
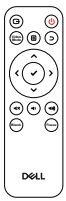
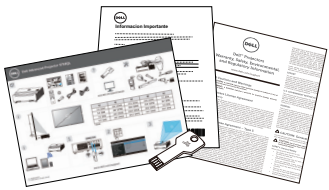
# 1 About Your Dell Projector

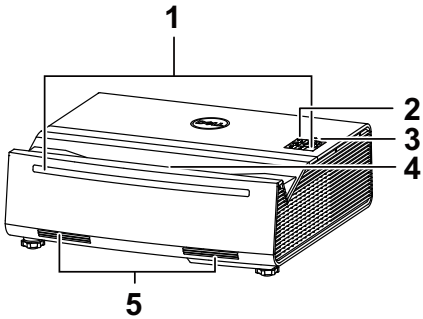
Your projector comes with all the items shown below. Ensure that you have all the items, and contact Dell if anything is missing.

## Projector Box Contents

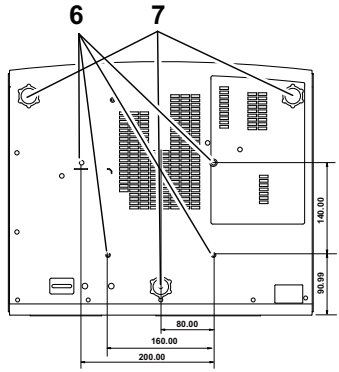
| Package Contents | |
|---|---|
| Power cable<br>  | 1.8 m HDMI cable (2.0 spec)<br>  |
| Remote control (CR2032 x 2pcs)<br>  | User's Guide and Documentation<br>  |

## Projector Top and Bottom View

**Top View**



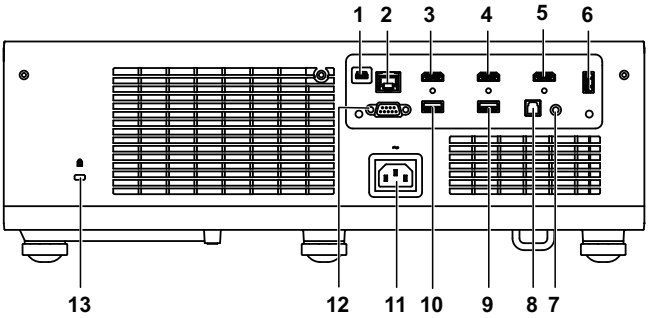

**Bottom View**




| | |
|---|---|
| 1 | IR receivers |
| 2 | Status indicators |
| 3 | Power button |
| 4 | Lens |
| 5 | 6W (x 2) speakers |
| 6 | Mounting holes for wall mount |
| 7 | Tilt adjustment wheel |

**NOTE:** Wall mount screw hole M4 x 9 mm depth.

## Projector Connections




| | | | |
|---|---|---|---|
| 1 | Mini USB (mini type B) connector for firmware upgrade | 8 | SPDIF connector |
| 2 | RJ45 connector | 9 | USB Type A Power (5V/1.8A) connector |
| 3 | HDMI 1 (2.0) connector | 10 | USB Type A Power (5V/1.8A) connector |
| 4 | HDMI 2 (1.4) connector | 11 | Power cord connector |
| 5 | HDMI 3 (1.4) connector | 12 | RS232 connector |
| 6 | USB (Type A) 3.0 connector for USB media playback and optional wireless dongle | 13 | Kensington cable slot |
| 7 | Audio output connector | | |

**CAUTION: Before you begin any of the procedures in this section, follow the Safety Instructions as described on page 8.**

## CAUTION: Safety Instructions

1 Do not use the projector near appliances that generate a lot of heat.

2 Do not use the projector in areas where there is an excessive amount of dust. The dust may cause the system to fail and the projector will automatically shutdown.

3 Ensure that the projector is mounted in a well-ventilated area.

4 Do not block the ventilation slots and openings on the projector.

5 Ensure the projector operates between ambient temperatures 5°C to 40°C (41°F to 104°F).

6 Do not try to touch the ventilation outlet as it can become very hot after the projector has been turned on or immediately after it is turned off.

7 Do not look into the lens while the projector is on as it may cause injury to your eyes.

8 Do not place any objects near or in front of the projector or cover its lens while the projector is on as the heat may cause the object to melt or burn.

9 Do not use alcohol to wipe the lens.

## NOTE:

- Do not attempt to ceiling mount the projector by yourself. It should be installed by a qualified technician.
- Recommended Projector Wall Mount Kit. For more information, see the Dell Support website at **dell.com/support**.
- For more information, see the Safety Information that shipped with your projector.
- The S718QL projector can only be used indoors.

**WARNING: Laser Safety Notice**

This product is classified as CLASS 1 LASER PRODUCT - RISK GROUP 1 according to IEC 60825-1 : 2014. Complies with FDA regulations 21 CFR 1040.10 and 1040.11 as a Risk Group 1 , LIP ( Laser Illuminated Projector) as defined in IEC 62471:2006 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

- Failure to comply with the following could result in death or serious injury.
- This projector has a built-in Class 4 laser module. Never attempt to disassemble or modify the projector.
- Any operation or adjustment not specifically instructed in the User manual creates the risk of hazardous laser radiation exposure.
- Do not open or disassemble the projector as this may cause damage or exposure to laser radiation.
- Do not stare into beam when the projector is on. The bright light may result in permanent eye damage.
- When turning on the projector, make sure no one within projection range is looking into the lens.
- Follow the control, adjustment, or operation procedures to avoid damage or injury from exposure of laser radiation.
- The instructions for the assembly, operation, and maintenance include clear warnings concerning precautions to avoid possible exposure to hazardous laser radiation.

## Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FOR COUNTRY CODE SELECTION USAGE (WLAN DEVICES)

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only .

## Industry Canada statement:

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

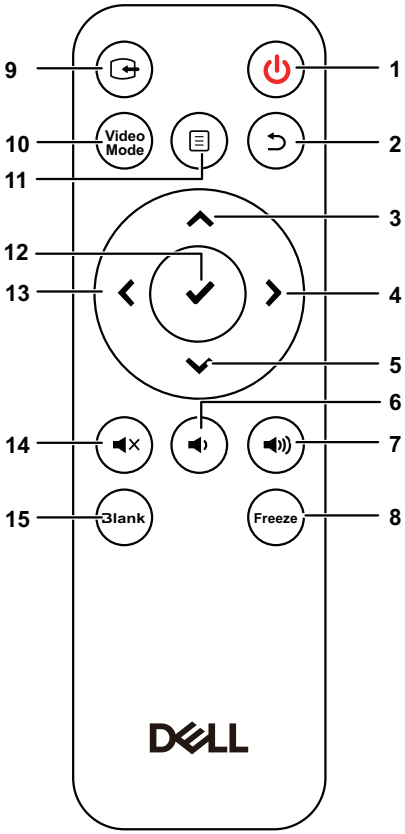
Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

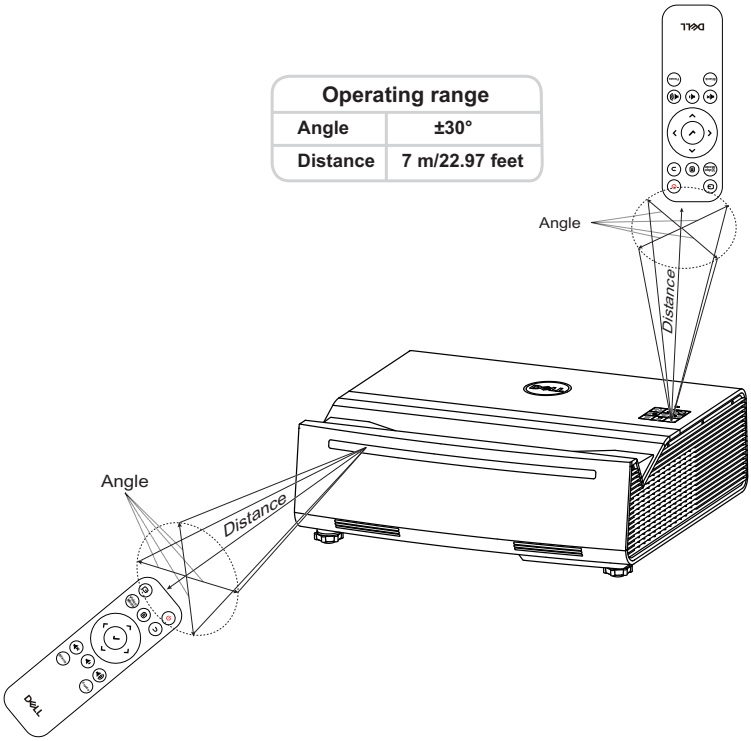
## Remote Control




| | | |
|---|---|---|
| 1 | Power | Turns the projector on or off. |
| 2 | Back | Returns to the previous screen. |
| 3 | Up | Press to navigate through the On-Screen Display (OSD) Menu items. |
| 4 | Right | Press to navigate through the On-Screen Display (OSD) Menu items. |
| 5 | Down | Press to navigate through the On-Screen Display (OSD) Menu items. |
| 6 | Volume down | Press to decrease the volume. |

| | | |
|---|---|---|
| 7 | Volume up | Press to increase the volume. |
| 8 | Freeze | Press to pause the screen image, then press "Freeze" again to resume normal projection. |
| 9 | Video in | Press to switch between sources: HDMI 1, HDMI 2, HDMI 3, Wireless/LAN Display, and USB Viewer. |
| 10 | Video mode | The projector has preset configurations that are optimized for displaying data (presentation slides) or video (movies, games, etc.).<br>Press the **Video Mode** button to toggle between **Presentation mode**, **Bright mode**, **Movie mode**, **sRGB**, or **Custom mode**.<br>Pressing the **Video Mode** button once will show the current display mode. Pressing the **Video Mode** button again will switch between modes. |
| 11 | Menu | Press to activate the OSD. |
| 12 | Enter | Press to confirm the selection. |
| 13 | Left | Press to navigate through the On-Screen Display (OSD) Menu items. |
| 14 | Mute | Press to mute or un-mute the projector speaker. |
| 15 | Blank | Press to toggle between white/blank/resume the image. |

## Remote Control Operating Range




| Operating range | |
|---|---|
| Angle | ±30° |
| Distance | 7 m/22.97 feet |

**NOTE:** Actual operating range may slightly differ from the diagram. Weak batteries will also prevent the remote control from properly operating the projector.

# 2 Adjusting Projector Image

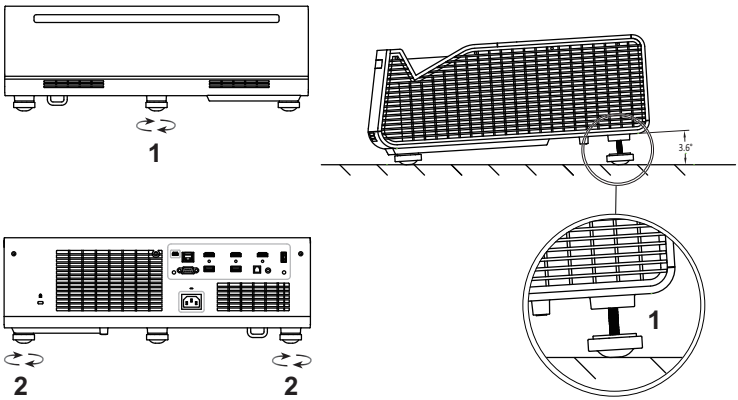
## Adjusting Projected Zoom

### Raising the Projector Height

1 Raise the projector to the desired display angle, and use the rear tilt adjustment wheel to fine-tune the display angle.

### Lowering the Projector Height

1 Lower the projector, and use the front tilt adjustment wheel to fine-tune the display angle.

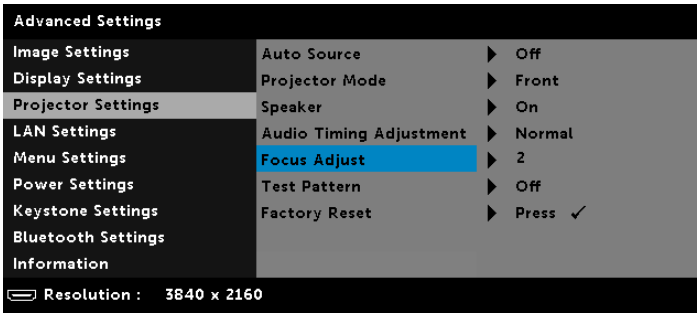



| | |
|---|---|
| 1 | Rear tilt adjustment wheel (Angle of tilt: 0 to 3.6 degrees) |
| 2 | Front tilt adjustment wheel |

## Projector Image Focus Adjustment

1 The Dell S718QL supports power focus.

**Steps: Advanced Settings > Projector Settings > Focus Adjust**



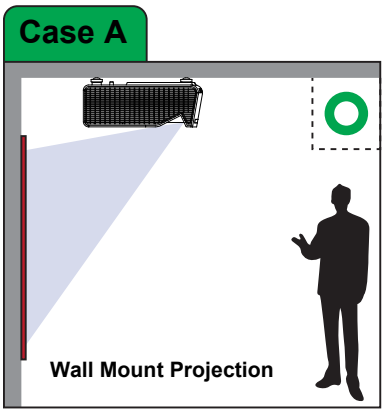

2 Adjust the focus until the image is clear. The projector focuses at distances ranging between 0.32 ft to 0.74 ft (10 cm to 22.5 cm).

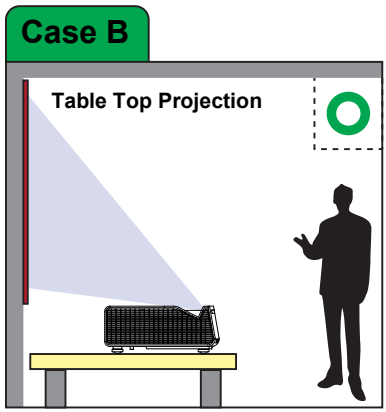
## Adjusting Projector Position

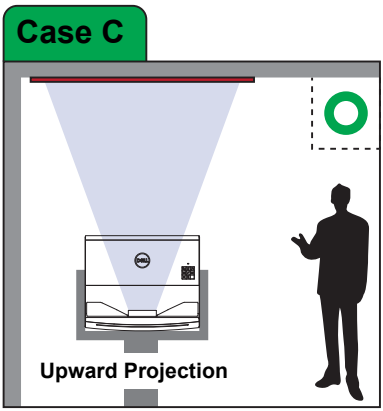
When you select a position for the projector, consider the size and shape of your screen, the location of your power outlets, and the distance between the projector and the rest of your equipment. Follow these general guidelines:

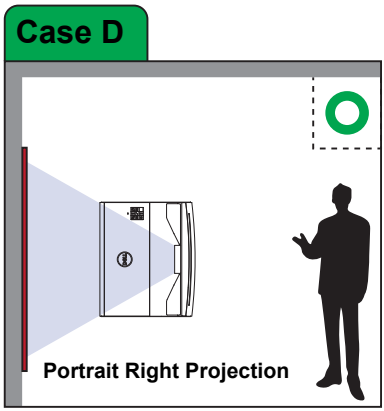
- When positioning the projector to the screen, it must be at least 3.9 inches (10 cm) from the projection screen.
- Position the projector to the required distance from the screen. The distance from the lens of the projector to the screen, the zoom setting, and the video format determine the size of the projected image.
- Lens throw ratio: 0.189

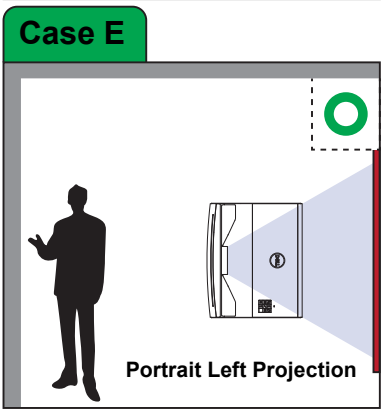
You can set up or install the S718QL in the following ways:



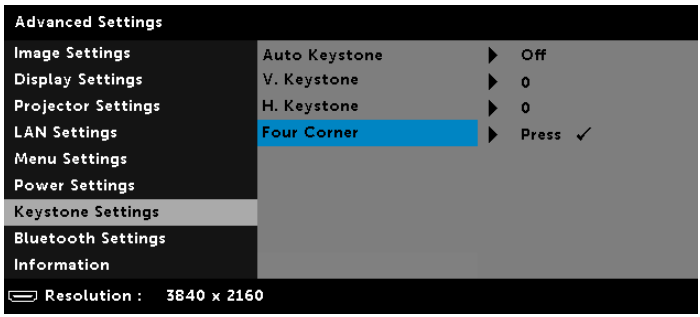

Case C
Upward Projection


Case D
Portrait Right Projection


Case E
Portrait Left Projection

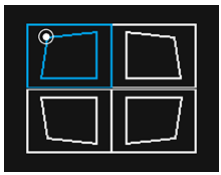
## Adjusting Image Corners

Use 4 corner adjustment feature to get perfect, rectangular images.

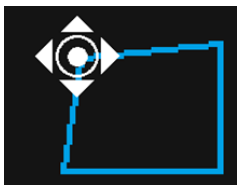



1 Advanced Settings > Keystone Settings > Four Corner

2 At four corner screen, use ⌃, ⌄, ❮ and ❯ to select one corner and press ✔ to confirm.



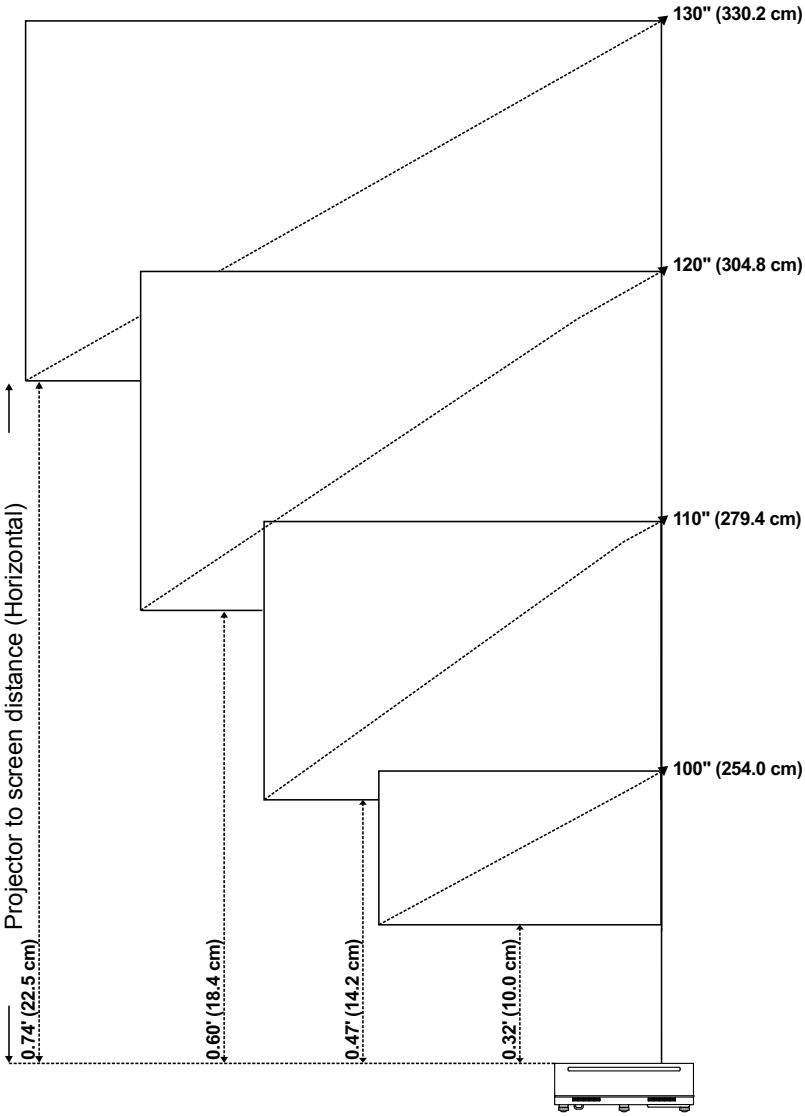
3 Use ⌃, ⌄, ❮ and ❯ to adjust the image shape as necessary.



4 When you are finished, press "Menu" button to exit.

**NOTE:** The function is unavailable when H./V. Keystone is adjusted.

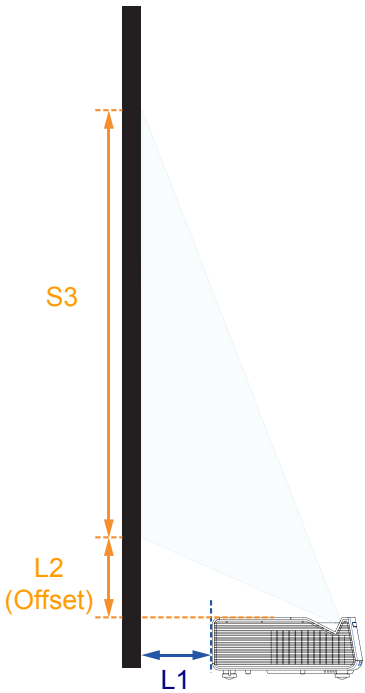
## Adjusting Image Size



## Adjusting Image Shape

| Projection Distance (L1) | | Image size | | | | | | Distance from top of image to top of projector (L2) | |
|---|---|---|---|---|---|---|---|---|---|
| | | Diagonal (S1) | | Width (S2) | | Height (S3) | | | |
| inch | cm | inch | cm | inch | cm | inch | cm | inch | cm |
| 3.9 | 10.0 | 100 | 254.0 | 87.1 | 221.2 | 49.0 | 124.5 | 7.3 | 18.6 |
| 5.6 | 14.2 | 110 | 279.4 | 95.8 | 243.3 | 53.9 | 137.0 | 8.2 | 20.9 |
| 7.2 | 18.4 | 120 | 304.8 | 104.5 | 265.4 | 58.8 | 149.4 | 9.1 | 23.1 |
| 8.9 | 22.5 | 130 | 330.2 | 113.2 | 287.5 | 63.7 | 161.9 | 10.0 | 25.4 |

* This graph is for user reference only.
* Offset Ratio: 118%



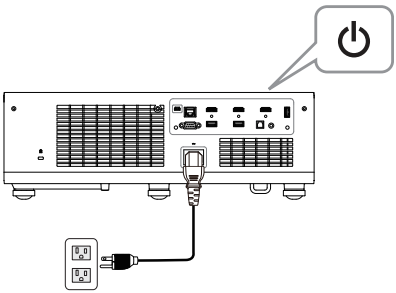
# 3 Using Your Projector

## Using Network Display

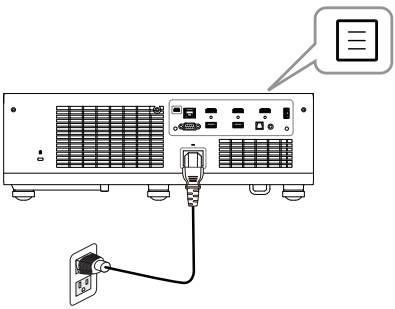
### Configure Your Projector for Network Display

#### *Connect Projector to the Network*

1 Connect the power cable and turn on the projector by pressing the power button.

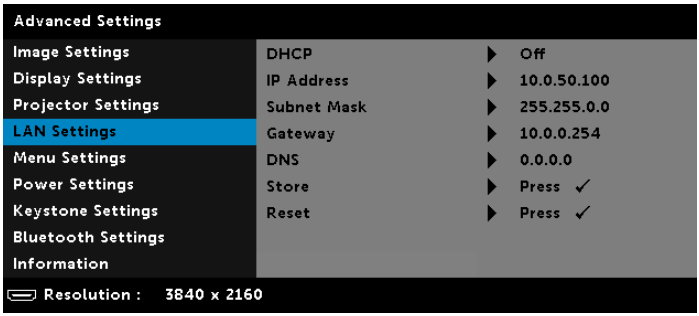


2 Press the **Menu** button on your projector control panel or remote control.

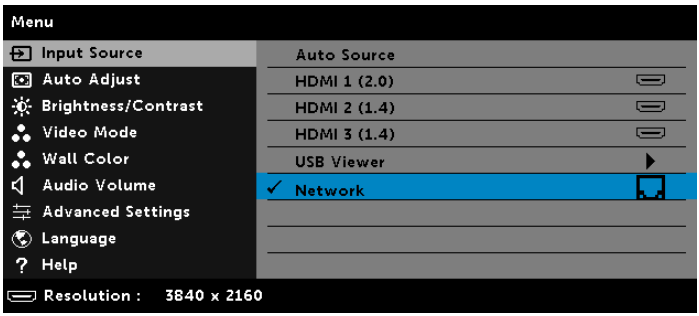


**NOTE:** Use ⌃, ⌄, ❮ and ❯ buttons to navigate and ✔ to select.

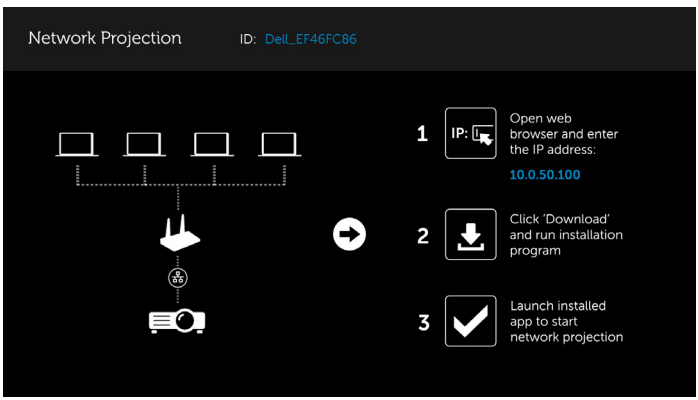
3 Ensure DHCP option is **Off** from LAN settings of Advanced Settings menu.




4 Access the **Input Source** menu, select **Network** source.



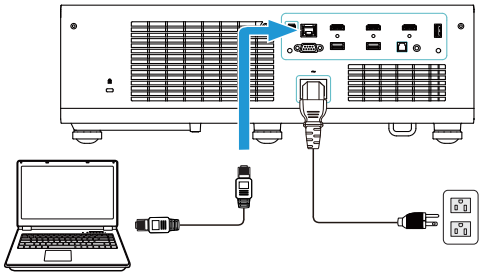

The **Network Guide Screen** shown below appears:



## Connect Projector Directly to the Computer

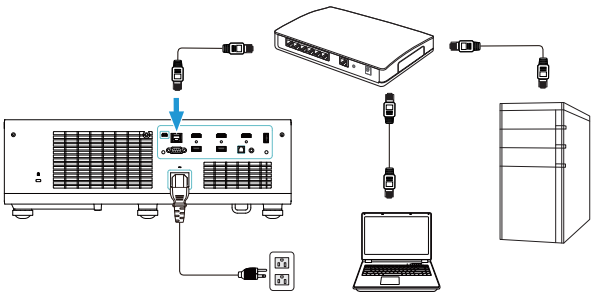
### *A. Cable Connections*

5 Connect the LAN cable to the projector and the computer.

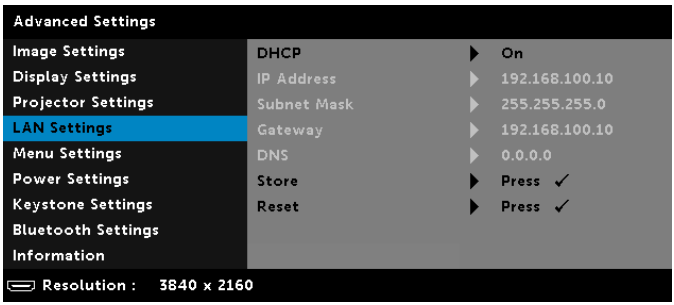


### *B. Switch Source*

6 Connect the LAN cable to the projector and the computer via the switch source.



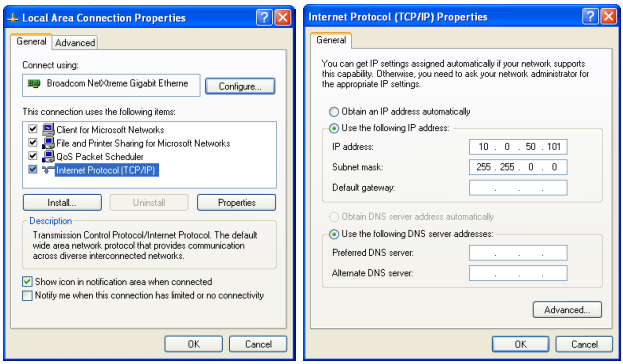
7 DHCP of LAN Settings switches to **On**.



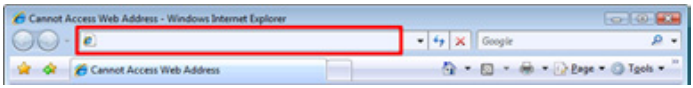

**NOTE:** If the DHCP setting is set to On, the IP sharing device will automatically assign a set of IP Address, Subnet Mask, and Gateway.

## Install Dell Network Projection Software on the Windows

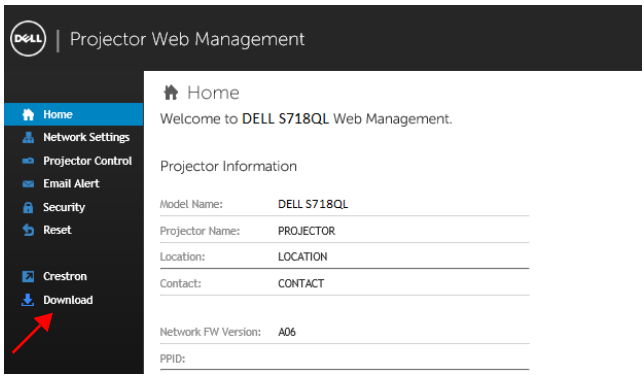
1 Open Local Area Connection Properties, and then enter the IP Address and Subnet Mask, click OK.
**Steps: Start > Control Panel > Network and Internet > Network and Sharing Center > Change Adapter Setting > Local Area Connection**



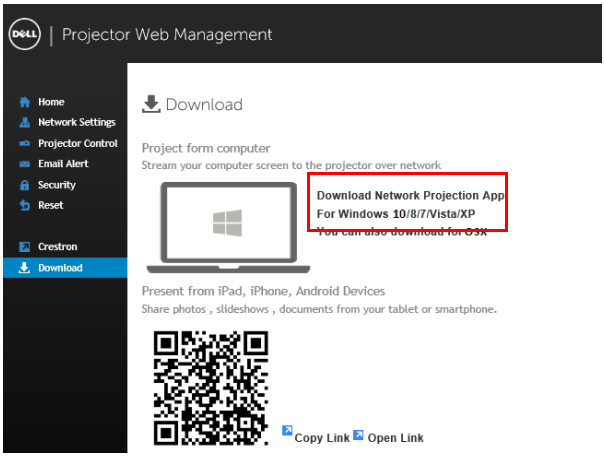

2 Open the Internet browser on your computer, and enter **10.0.50.100** (default) in the browser's address bar. You will be directed to the **Dell S718QL Web Management** page.




3 The S718QL Web Management page opens. For first-time use, click **Download**.



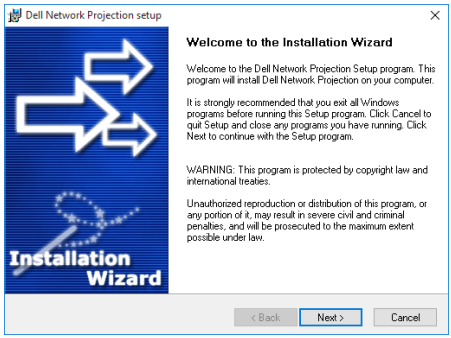
4 At the **Download** page, click **Download Network Projection App For Windows 10/8/7/Vista/XP** and install to your computer.




**NOTE:** If you are unable to install the application because of inadequate rights on the computer, please contact your network administrator.

5 Click **Run** to proceed with the one-time installation of the software.

6 The installation software will launch. Follow the on-screen instructions to complete setup.

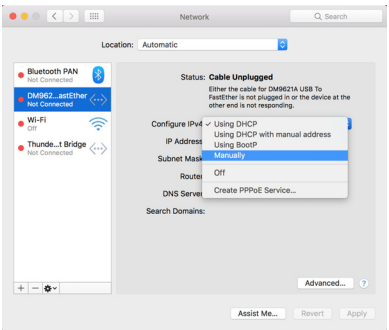


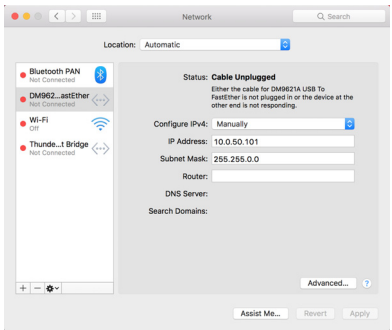

**NOTE:** Alternatively you can download the latest version of the Dell Network Projection application from dell.com/support

## Install Dell Network Projection Software on the Mac

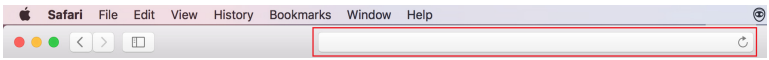
1 Open Local Area Connection Properties, and then enter the IP Address and Subnet Mask, click OK.

**Steps: Go > Applications > System Preferences > Network**

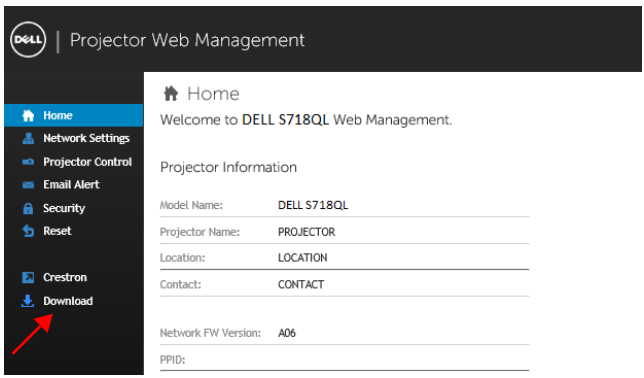


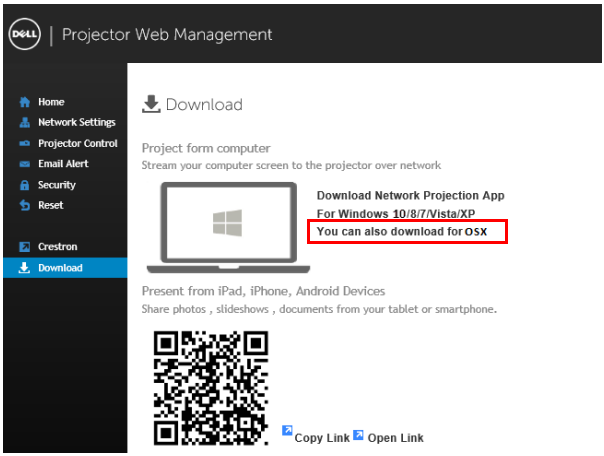

2 Open the Safari browser on your Mac computer, and enter **10.0.50.100** (default) in the browser's address bar. You will be directed to the **Dell S718QL Web Management** page.




3 The S718QL web management page opens. For first-time use, click **Download**.

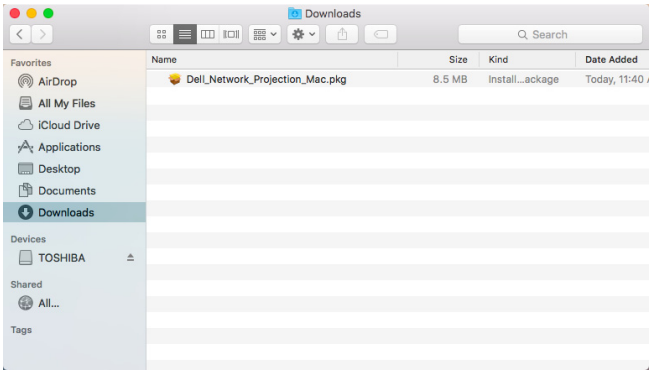


4 At the **Download** page, click **You can also download for OSX** and install to your computer.

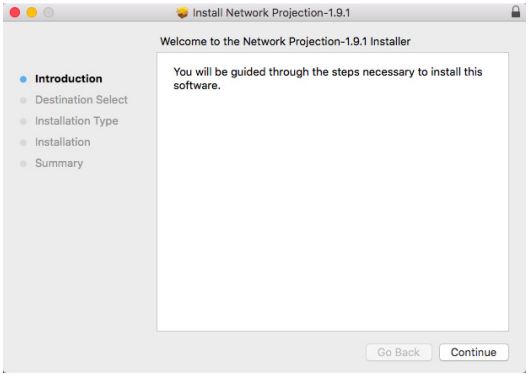



**NOTE:** If you are unable to install the application because of inadequate rights on the computer, please contact your network administrator.

5 Running **Dell_Network_Projection_Mac.pkg** from **Downloads** folder.



6 The installation software will launch. Follow the on-screen instructions to complete setup.

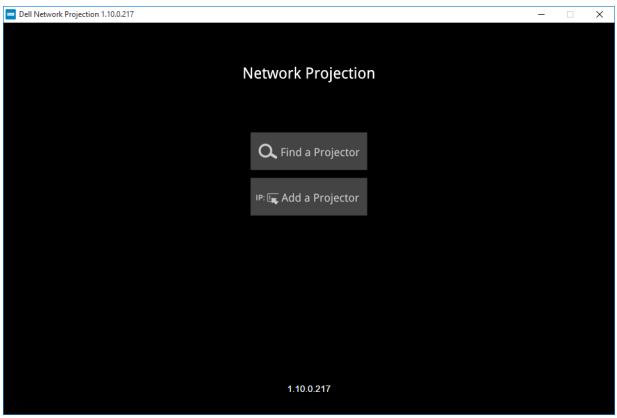



## Using the Dell Network Projection App (Windows)

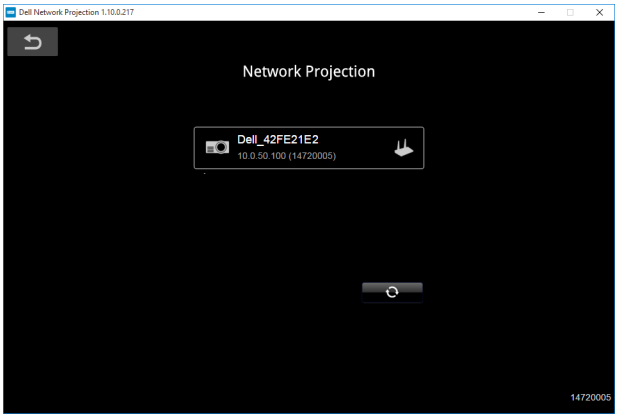
Once the installation is completed, you can double-click

icon on the desktop to start the application.

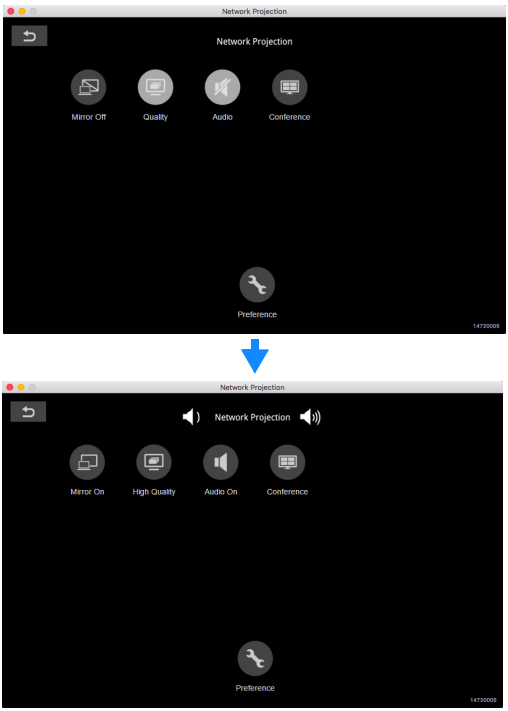
The **Dell Network Projection Screen** shown below appears:



1 At **Dell Network Projection** screen, click **Find a Projector**, and then select **Dell_42FE21E1 (random code)**. This is the name & code that will be projected, when your projector is set to the 'Network' source.

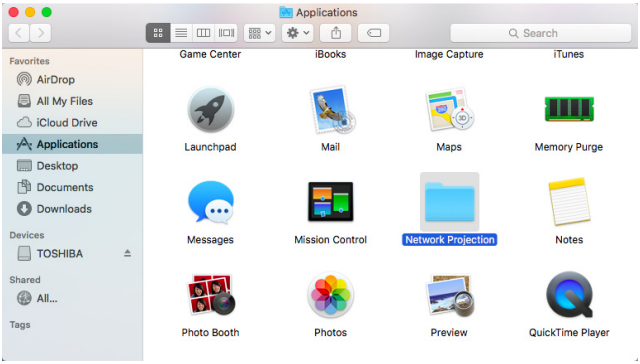



2 Click **Mirror Off** option to start presenting.

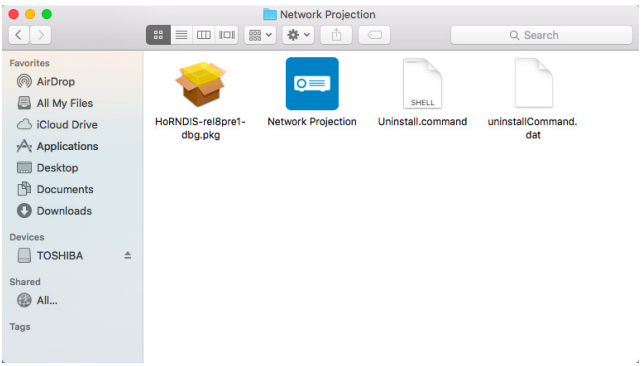


## Using the Dell Network Projection App (Mac)

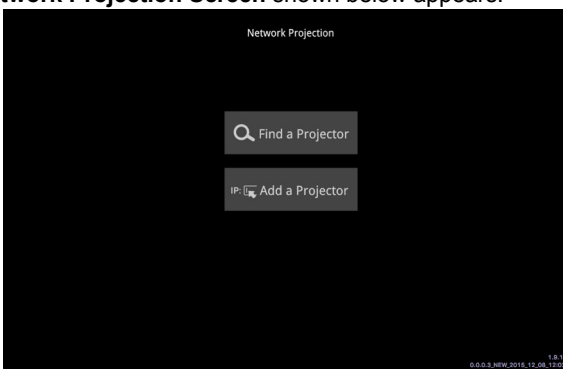
1 1.Go to **Applications** folder, and then open the **Network Projection** folder.



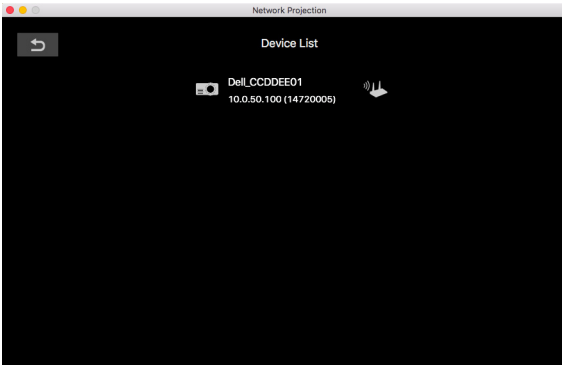

2 Running **Network Projection** application from Network Projection folder.



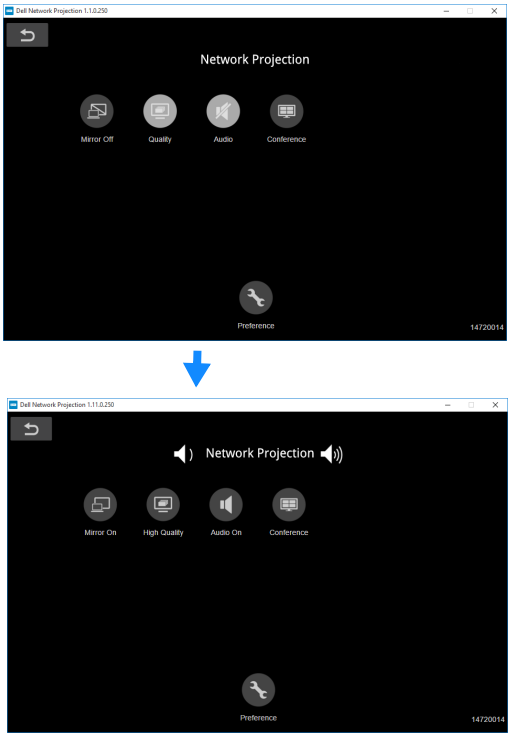

The **Dell Network Projection Screen** shown below appears:



3 At the **Dell Network Projection** screen, click **Find a Projector**, and then select Dell_CCDDEE01 (random code). This is the name & code that will be projected, when your projector is set to the 'Network' source.

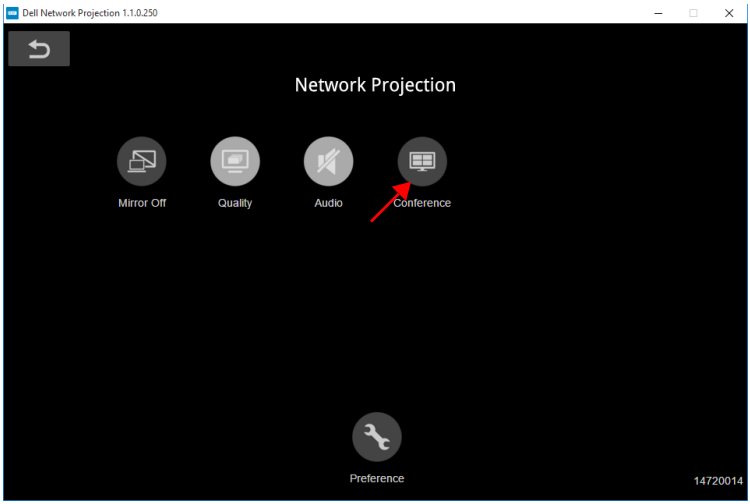



4 Click **Mirror Off** option to start presenting.

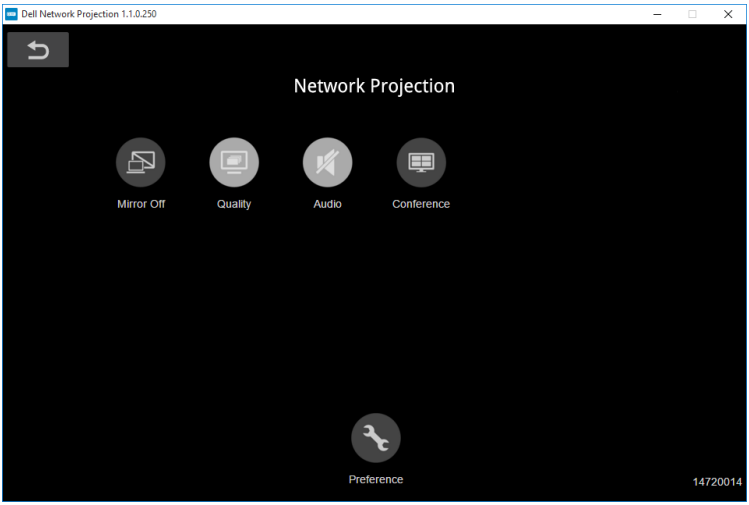


## Split Screen

After the network projection connects, click **Conference** button to activate the split screen feature.



## Understanding the Buttons




| Item | | Description |
|---|---|---|
| Control Toolbar | | |
| | Mirror Off/On | Click to toggle network projection On/Off and screen extension. |
| | Quality | Click to toggle High/Low quality. |
| | Audio | Click to toggle audio On/Off. |
| | Conference | Click to activate the conference control. |
| | Preference | Click to activate the fast connection settings. |

## Using PC-Free Presentation

### Multimedia File Type Support

#### *Photos*

| Media Type | Ext Name | Version Support | Detailed Specification | Notes |
|---|---|---|---|---|
| JPEG | jpg/jpeg | | Baseline mode: size <=65536 x 65536<br>Progressive baseline:<br>• color mode=444, size <= 2080 x 2080<br>• color mode=(422, 440), size <=2544 x 2544<br>• color mode=(420, 400, 411, others), size <=2944 x 2944<br>JPEG (CMYK) is not support | Support baseline mode & progressive baseline |
| BMP | bmp | | Size<=65536 x 65536 | Support all modes |
| PNG/GIF | png/gif | | PNG<=65536 x 65536<br>GIF<=65536 x 65536<br>Animation mode is not supported | Support interlace<br>Animation mode is not supported |
| TIFF | tiff | | TIFF<=3264 x 2176 | Support all modes |

### *Audio*

| File Type | File Extension | Version Support | Detailed Specification | Notes |
|---|---|---|---|---|
| Mpeg-1 Layer 3 | mp3 | | VBR: bit rate: 8~320 Kbps | |
| WMA | wma/asf | WMA 7~9.1 | Bit rate: CBR up to 320 kbps, VBR up to 256 kbps | 1. Microsoft Licensee only<br>2. WMA 7~9.1 is WMA2 |
| WMV | wav | | Sampling rate: 8KHz; Bit rate: 32Kbps | Microsoft ADPCM only |
| LPCM | n/a (included in the video only) | LPCM | LPCM:<br>Sampling rate: 8KHZ~192KHz; Bit rate: 64~4608 Kbps | |
| ADPCM | n/a (included in the video only) | 1. Microsoft ADPCM<br>2. IMA ADPCM (DVI_ADPCM)<br>3. SWF ADPCM<br>4. QT IMA ADPCM | Microsoft ADPCM:<br>Sampling rate: 8KHz; Bit rate: 32 Kbps | |
| OGG Vorbis | ogg | | CBR: Sampling rate: 32K~192KHz<br>VBR: Up to 500 Kbps (spec) | |
| AMR | amr/3ga | | | |

***Video***

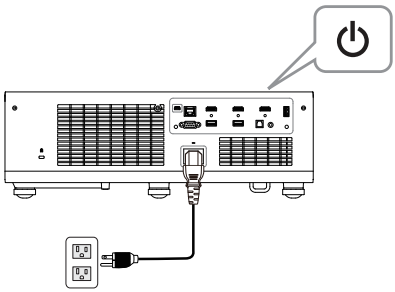
| File Type | Video Type | Audio Type | Detailed Specification | Notes |
|---|---|---|---|---|
| MP4 (.mov, .mp4) | MPEG-4 AVC (H.264) | LPCM<br>ADPCM<br>MPEG-Audio | H.264:<br>1. Main and High Profile @ level 4.2<br>2. Baseline @ level 3<br>3. 4K@24P | ADPCM:<br>1. Microsoft ADPCM<br>2. IMA ADPCM (DVI_ADPCM)<br>3. SWF ADPCM<br>4. QT IMA ADPCM |
| MP4 (.mp4) | H.265/HEVC | MPEG-Audio<br>HE-AAC, LC-AAC | H.265:<br>1. MP@L5.1 Main Tier<br>2. 4K@60P 10bit | |
| AVI (.avi) | MPEG-4 AVC (H.264) | LPCM<br>ADPCM<br>MPEG-Audio | MPEG-1: support up to 1080@60p<br>H.264:<br>1. Main and High Profile @ level 4.2<br>2. Baseline @ level 3<br>3. 4K@24P | ADPCM:<br>1. Microsoft ADPCM<br>2. IMA ADPCM (DVI_ADPCM)<br>3. SWF ADPCM<br>4. QT IMA ADPCM |
| FLV (.flv) | MPEG-4 AVC (H.264) | LPCM<br>MPEG-Audio | H.264: 4K@24P | |
| F4V (.f4v) | H.264 | HE-AAC<br>MP3 | H.264:<br>1. Main and High Profile @ level 4.2<br>2. Baseline @ level 3<br>3. 4K@24P | |
| MKV (.mkv) | MPEG-4 AVC (H.264) | LPCM<br>ADPCM<br>MPEG-Audio | H.264:<br>1. Main and High Profile @ level 4.2<br>2. Baseline @ level 3<br>3. 4K@24P | ADPCM:<br>1. Microsoft ADPCM<br>2. IMA ADPCM (DVI_ADPCM)<br>3. SWF ADPCM<br>4. QT IMA ADPCM |
| MKV (.mkv) | H.265/HEVC<br>VP9 | MPEG-Audio<br>HE-AAC, LC-AAC | H.265:<br>1. MP@L5.1 Main Tier<br>2. 4K@60P 10bit | |

## Setting up to present using External USB Storage

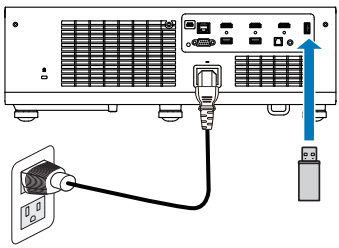
**NOTE:** A USB flash disk must be plugged into the projector if you want to use the USB media playback feature.

Follow these steps to play the Video, Audio, Photo, or PDF files on your projector:

1 Connect the power cable and turn on the projector by pressing the power button.

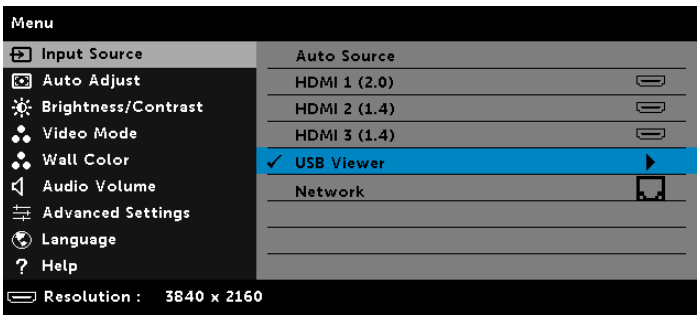


2 Plug in a **USB flash disk** to your projector.



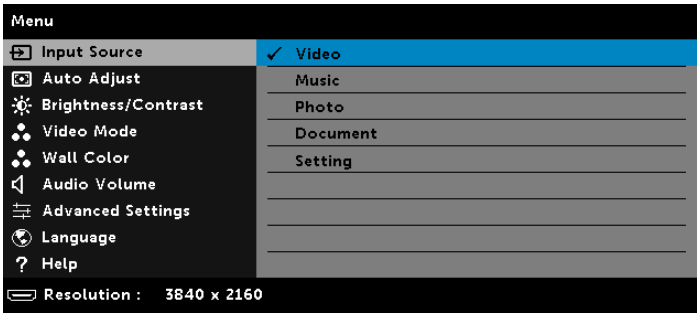
3 Press the **Menu** button on the control panel or remote control.

4 Access the **Input Source** menu, select **USB Viewer** source.



**5** Go to USB Viewer menu:

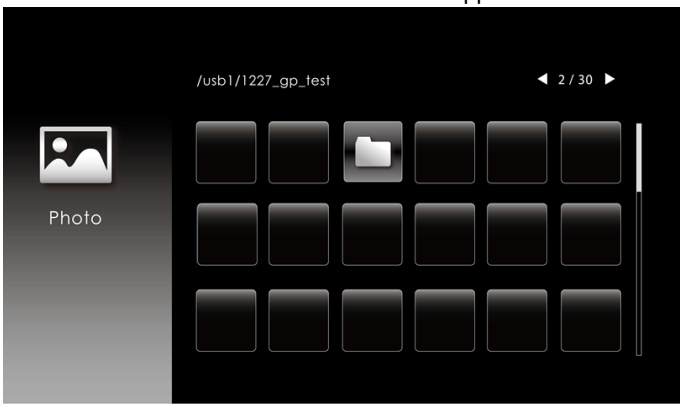
**a** You can play **Video**, **Music**, or **Photo** files, or select **Setting** option to change multimedia settings.



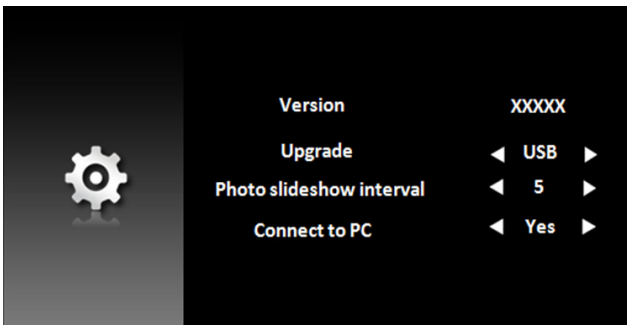

The **Video Source Screen** shown below appears:

The **Music Source Screen** shown below appears:

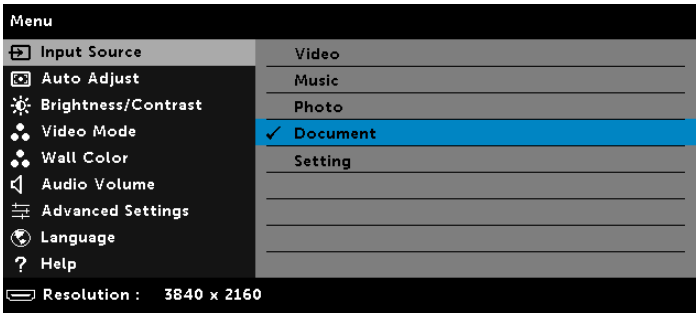
The **Photo Source Screen** shown below appears:



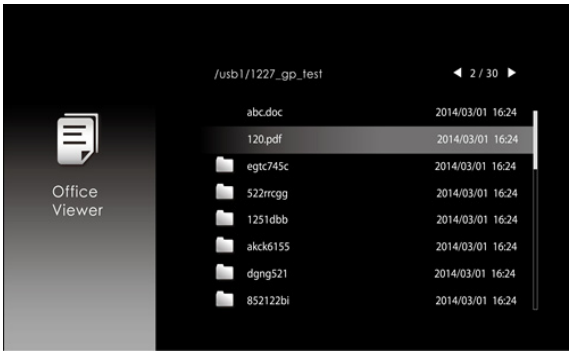

The **Setting Source Screen** shown below appears:



b You can also play **MS Excel**, **MS Word**, **MS PowerPoint**, or **PDF** files via **Document** option.




The **Document Screen** shown below appears:



### Office Viewer File Type Support

The office viewer feature allows you to play the MS Excel, MS Word, MS PowerPoint, and PDF files.

| File Type | Support Version | Pages/Lines Limitation | Size Limitation | Notes |
|---|---|---|---|---|
| Adobe PDF | | Up to 1000 pages (One file) | Up to 75 MB | |
| MS Word | Word 97, 2000, 2002, 2003 | Because office viewer does not load all pages of MS Word file at the same time, there are no obvious limitations of page and line. | Up to 100 MB | Does not support Bold Text in Simple Chinese front |
| | Word 2007, 2010 (.docx) | | | |
| MS Excel | Excel 97, 2000,2002, 2003 | Row Limit: up to 595 / Column Limit: up to 256 | Up to 15 MB | Does not support password-protected sheets |
| | Excel 2007, 2010 (.xlsx) | Sheet: up to 100 | | |
| | Office XP Excel | Note: Any one of three limitations above cannot appear on one Excel file simultaneously | | |
| MS PowerPoint | PowerPoint 97 | Up to 1000 pages (One file) | Up to 19 MB | Does not support Slide Show order |
| | PowerPoint 2000, 2002, 2003 | | | |
| | PowerPoint 2007, 2010 (.pptx) | | | |
| | Office XP PowerPoint | | | |
| | PowerPoint presentation-2003 and earlier*.pps) | | | |
| | PowerPoint presentation-2007 and 2010(.ppsx) | | | |

## Set-up Bluetooth Speaker

**NOTE:**

a Bluetooth transmitter range is 10 m.

b Bluetooth sound profile supports Stereo (2 channel).

c The S718QL projector Bluetooth transmitter can only communicate with one Bluetooth speaker at a time same time.

d Bluetooth will not operate when 3.5 mm audio out or SPDIF is connected.

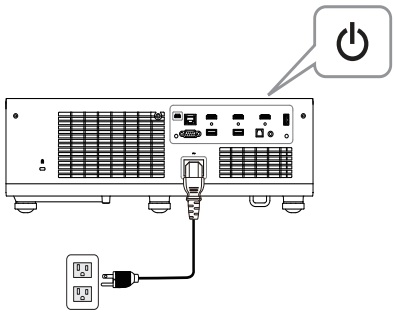
e Up to five Bluetooth speakers can be paired & saved.

f Once a Bluetooth speaker is paired, the projector will automatically connect to it when the projector is turned on.

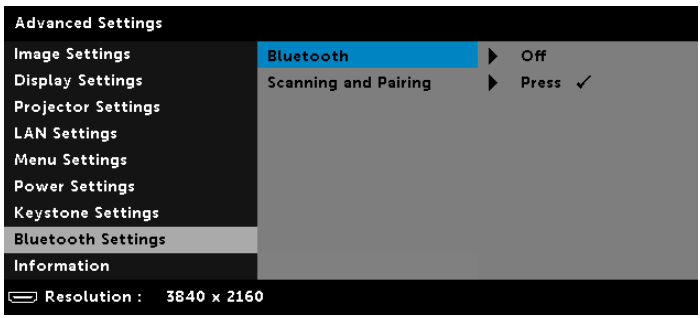
### Adding a New Bluetooth Speaker

Follow these steps to pair your projector with a compatible Bluetooth speaker:

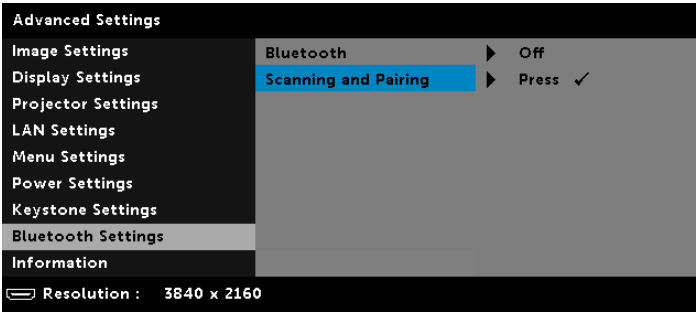
1 Connect the power cable and turn on the projector by pressing the power button.



2 Access the **Advanced Settings** menu. Select the **Bluetooth Settings** and then turn-on **Bluetooth** feature on the sub-menu.

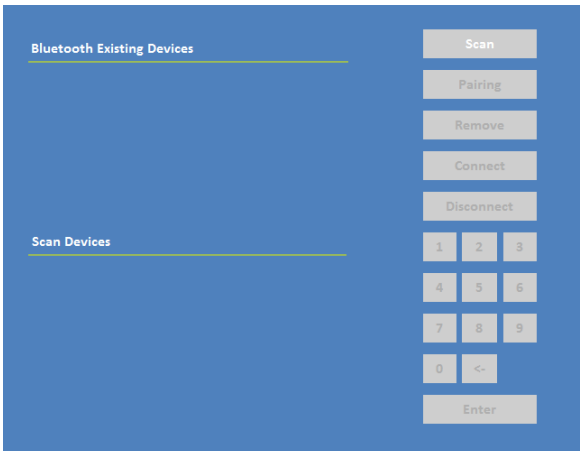


3 When the Bluetooth function is enabled, select Scanning and Pairing, and then press the **Enter** button to enter the **Scanning and Pairing** screen.



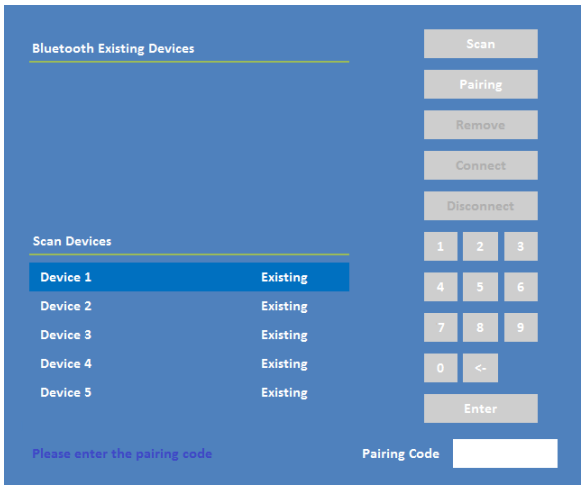

Pairing instruction shown below appears:

**a** Click **Scan** button.

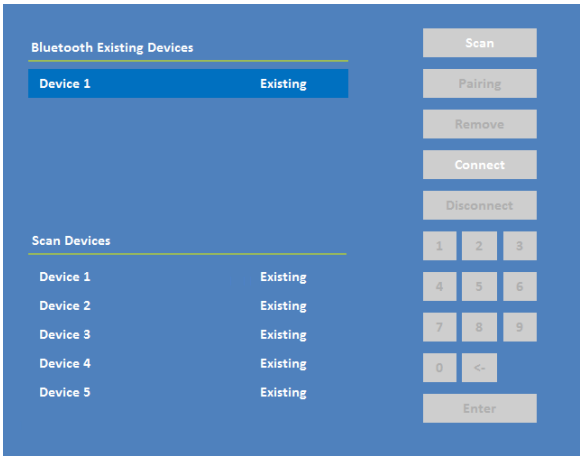


**b** When the Scan Devices list appears, select **Device 1** and click the **Pairing** button.

**c** Please enter the pairing code.

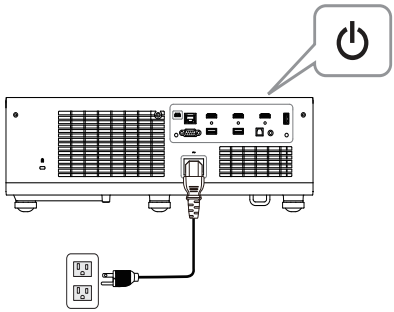


**d** When the pairing process is complete, select **Device 1** from the Bluetooth Existing Devices list. Then click the **Connect** button.

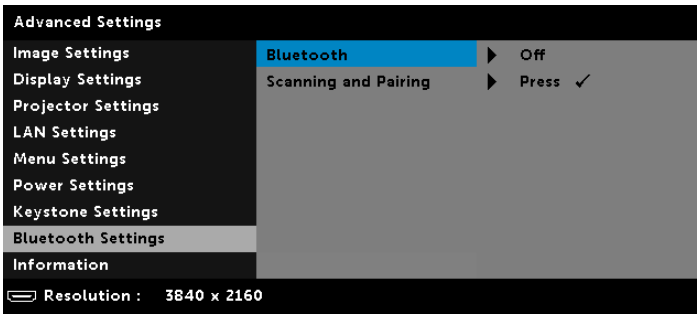


## Remove a Bluetooth Speaker

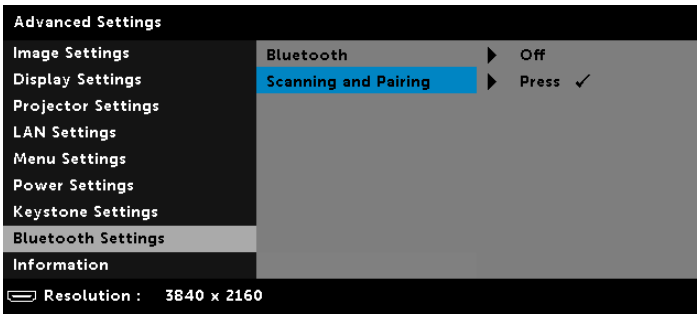
1 Connect the power cable and turn on the projector by pressing the power button.



2 Access the **Advanced Settings** menu. Select the **Bluetooth Settings** and then turn-on **Bluetooth** feature on the sub-menu.

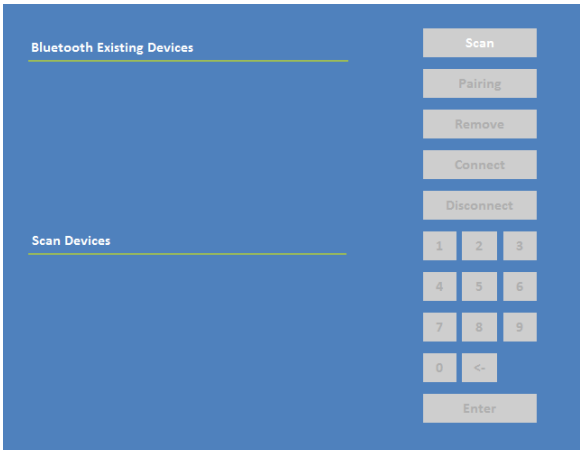



3 When the Bluetooth function is enabled, select Scanning and Pairing, and then press the **Enter** button to enter the **Scanning and Pairing** screen.



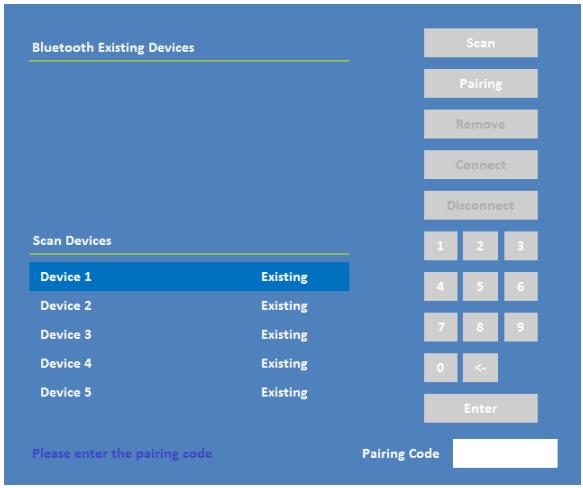

Pairing instruction shown below appears:

**a** Click **Scan** button.



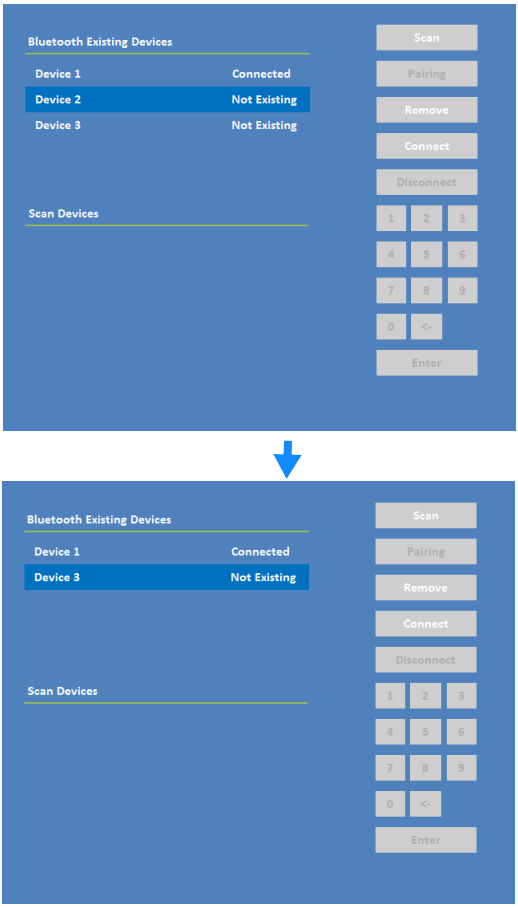

**b** When the Scan Devices list appears, select **Device 1** and click the **Pairing** button.

**c** Please enter the pairing code.



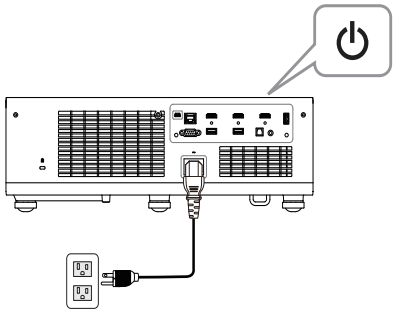

**d** When the pairing process is complete, select **Device 1** from the Bluetooth Existing Devices list. Then click the **Connect** button.

4 When you into **Bluetooth Scanning and Pairing** sub-menu, select the device you would like to remove, and then click **Remove** button.

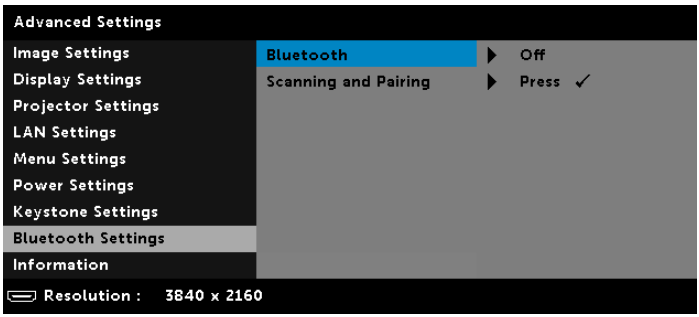


## Disconnect a Bluetooth Speaker

1 Connect the power cable and turn on the projector by pressing the power button.



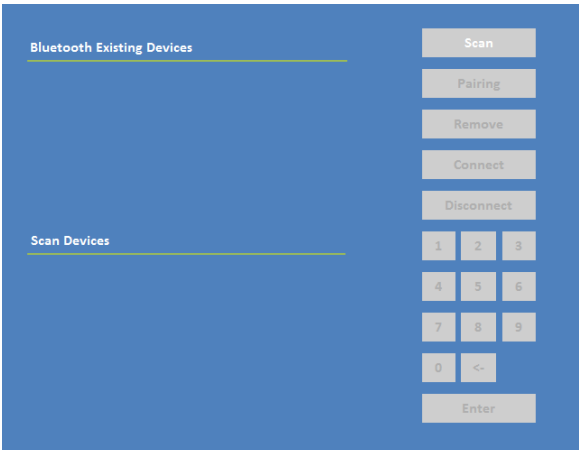
2 Access the **Advanced Settings** menu. Select the **Bluetooth Settings** and then turn-on **Bluetooth** feature on the sub-menu.




3 When the Bluetooth function is enabled, select Scanning and Pairing, and then press the **Enter** button to enter the **Scanning and Pairing** screen.

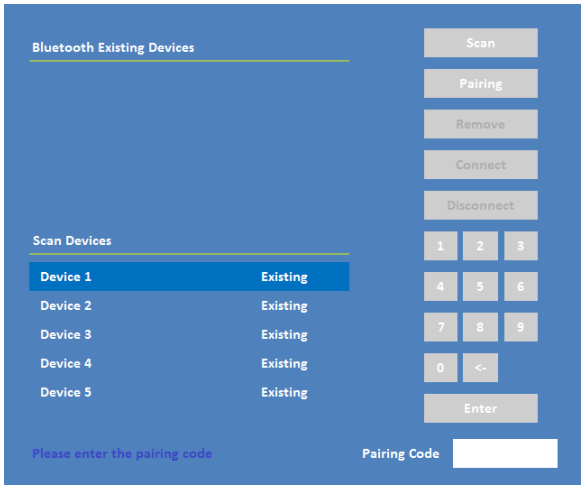
Pairing instruction shown below appears:

**a** Click **Scan** button.



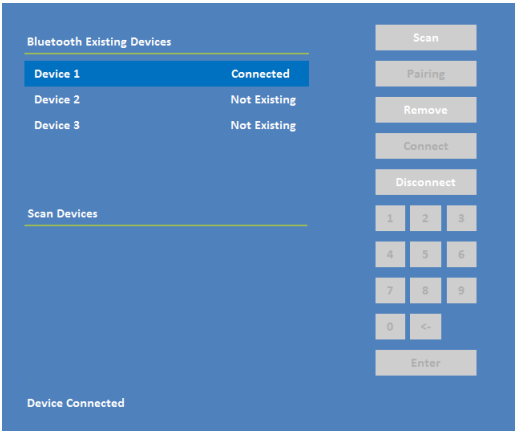

**b** When the Scan Devices list appears, select **Device 1** and click the **Pairing** button.

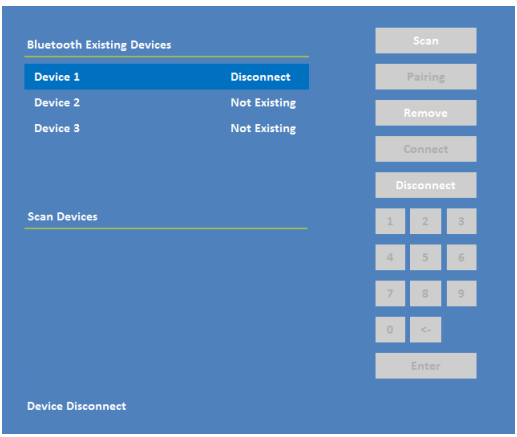
**c** Please enter the pairing code.




**d** When the pairing process is complete, select **Device 1** from the Bluetooth Existing Devices list. Then click the **Connect** button.

4 When you into **Bluetooth Scanning and Pairing** sub-menu, select Device 1, and then click **Disconnect** button.



## Using High Dynamic Range (HDR)

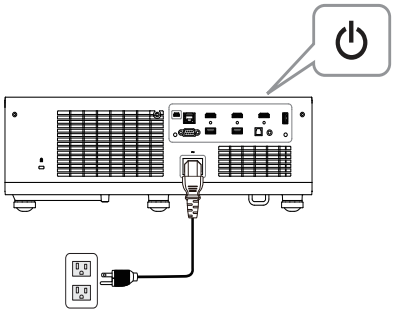
**NOTE:**

a Only HDMI-1 port can support HDR feature.

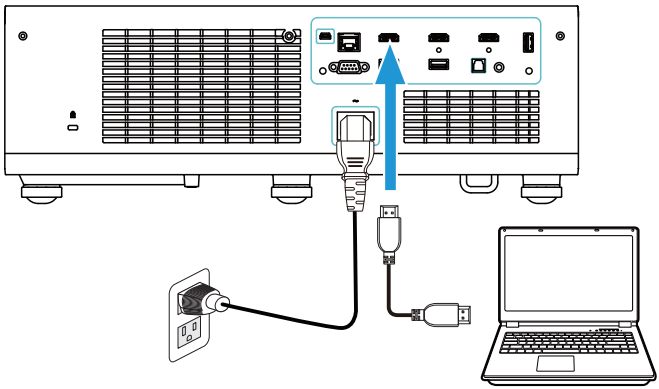
b PQ functions cannot be adjusted in HDR mode.

Follow these steps to activate HDR feature:

1 Connect the power cable and turn on the projector by pressing the power button.

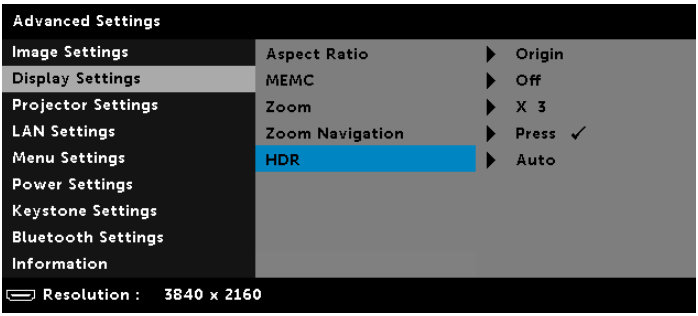


2 Connect the **HDMI 2.0 cable** to the projector HDMI-1 port and the computer or DVD player.



**NOTE:** Your computer or DVD player must support the HDR function.

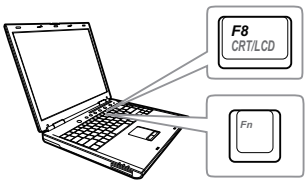
3 Access the **Display Settings** menu, select **HDR** and then follow the functionality difference to select **Auto**, **Off**, **HDR1**, **HD2**, or **HD3** on the sub-menu.



# 4 Troubleshooting

## Troubleshooting Tips

If you experience problems with your projector, see the following troubleshooting tips. If your problem persists, please contact Dell.

| Problem | Possible Solution |
|---|---|
| No image appears on the screen<br>  <br> | • Ensure that you have chosen the correct input source on the INPUT SOURCE menu.<br>• Ensure the external graphics port is enabled. If you are using a Dell laptop computer, press Fn F8 CRT/LCD (Fn+F8). For other computers, see your respective documentation. If images are not displayed properly, please upgrade the video driver of your computer. For Dell computers, see www.dell.com/support.<br>• Ensure that all the cables are securely connected. See "Adjusting Projector Image" on page 15.<br>• Ensure that the pins of the connectors are not bent or broken.<br>• Use the Test Pattern in the Projector Settings of the Advanced Settings menu. Ensure that the colors of the test pattern are correct. |

| Problem (continued) | Possible Solution (continued) |
|---|---|
| Partial, scrolling, or incorrectly displayed image | If you are using a Dell laptop computer, set the resolution of the computer to 4K (3840 x 2160):<br>a Right-click the unused portion of your Microsoft® Windows® desktop, click **Properties**, and then select **Settings** tab.<br>b Verify that the setting is 3840 x 2160 pixels for the external monitor port.<br>c Press Fn F8 CRT/LCD (Fn+F8).<br>If you experience difficulty in changing resolutions, or if your monitor freezes, restart all the equipment and the projector.<br>If you are not using a Dell laptop computer, see your documentation. If images are not displayed properly, please upgrade the video driver of your computer. For a Dell computer, see www.dell.com/support. |
| The screen does not display your presentation | If you are using a portable computer, press Fn F8 CRT/LCD (Fn+F8). |
| Image color is incorrect | • If the display receives the wrong signal output from the graphics card, please set the signal type to **RGB** in the OSD **Image Settings** of the **Advanced Settings** tab.<br>• Use **Test Pattern** in the **Projector Settings** of the **Advanced Settings** menu. Ensure that the colors of the test pattern are correct. |
| Image is out of focus | 1 Adjust the focus until the image is clear. Use **Focus Adjust** in the **Projector Settings** of the **Advanced Settings** menu.<br>2 Ensure that the projection screen is within the required distance from the projector (0.32 ft [10 cm] ~ 0.74 ft [22.5 cm]). |

| Problem (continued) | Possible Solution (continued) |
|---|---|
| The image is stretched when displaying a 16:9 DVD | The projector automatically detects the input signal format. It will maintain the aspect ratio of the projected image according to the input signal format with an Original setting.<br><br>If the image is still stretched, adjust the aspect ratio in the Display Settings of the Advanced Settings menu in the OSD. |
| Image is reversed | Select **Projector Settings** of the **Advanced Settings** from the OSD and adjust the projector mode. |
| TEMP light is solid amber | The projector has overheated. The display automatically shuts down. Turn the display on again after the projector cools down. If the problem persists, please contact Dell. |
| TEMP light is blinking amber | If the projector fan fails, the projector will automatically shut down. Try to clear the projector mode by pressing and holding the **Power** button for 10 seconds. Please wait for about 5 minutes and try to power up again. If the problem persists, please contact Dell. |
| The remote control is not operating smoothly or works only within a limited range | The battery may be low. If so, replace with new CR2032 battery. |
| LAN control support | • Web Control functions were verified on IE9, IE10, and IE11. The other version may have compatibility problem.<br>• The Compatibility View setting should be disabled. Otherwise the web control page may have icon or content display abnormal issue. |

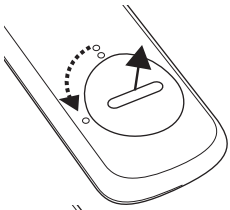
## Guiding Signals

| Projector Status | Description | Control Buttons | Indicator | |
|---|---|---|---|---|
| | | Power | TEMP (Amber) | LAMP (Amber) |
| Standby mode | Projector in Standby mode. Ready to power on. | White Flashing | OFF | OFF |
| Warming up mode | Projector takes some time to warm up and power on. | White | OFF | OFF |
| Laser Diode on | Projector in Normal mode, ready to display an image.<br>Note: The OSD menu is not accessed. | White | OFF | OFF |
| Cooling mode | Projector is cooling to shutdown. | White | OFF | OFF |
| Projector overheated | Air vents might be blocked or ambient temperature may be above 40°C. The projector automatically shuts down. Ensure that the air vents are not blocked and that the ambient temperature is within operational range. If the problem persists, please contact Dell. | OFF | AMBER | OFF |
| Fan breakdown | One of the fans has failed. The projector automatically shuts down. If the problem persists, please contact Dell. | OFF | AMBER Flashing | OFF |
| Laser Diode driver overheated | Air vents might be blocked or the Laser Diode driver has overheated. The projector will automatically shut down. Turn the display on again after the projector cools down. If the problem persists, please contact Dell. | AMBER | AMBER | OFF |
| Color Wheel breakdown | Color wheel cannot start. The projector has failed and the projector automatically shuts down. Unplug the power cord after three minutes and then turn on the projector. If this problem persists, please contact Dell. | White | AMBER Flashing | AMBER Flashing |
| Laser Diode failure | Laser Diode is defective. | OFF | OFF | AMBER |
| Fault - DC supply (+12V) | Power supply has been interrupted. The projector automatically shuts down. Unplug the power cord after three minutes and then turn on the projector. If this problem persists, please contact Dell. | AMBER Flashing | AMBER | AMBER |

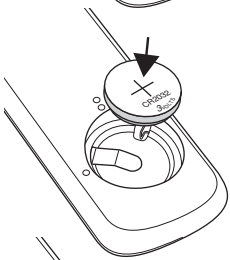
# 5 Maintenance

## Replacing the Remote Control Battery

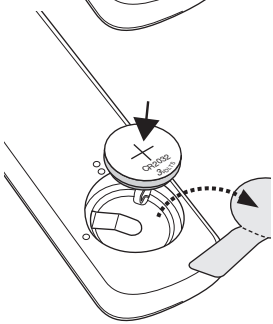
1 Rotate the battery lid counterclockwise to remove the battery cover.



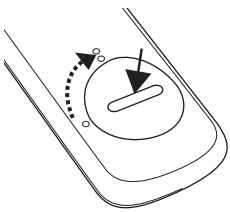
2 Insert a CR2032 coin cell battery and align the polarity correctly according to the marking in the battery holder.




**NOTE:** When you use the remote control for the first time, there is a plastic sheet between the battery and its contact. Remove the sheet before use.

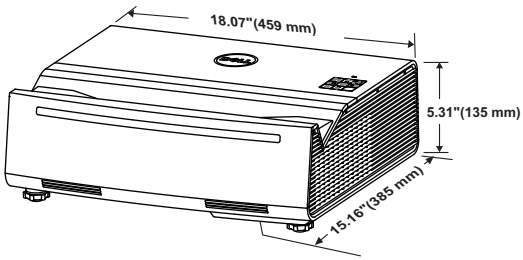



3 Rotate the battery lid clockwise to mount the battery cover.



# 6 Specifications

| | |
|---|---|
| Light Valve | 0.66" UHD TRP S610 DMD, DarkChip3™ |
| Brightness | 5000 ANSI Lumens (Max.) |
| Contrast Ratio | 1300:1 Typical (Full On/Full Off)<br>100000:1 High Contrast Ratio |
| Uniformity | 80% Typical (Japan Standard - JBMA) |
| Number of Pixels | 3840 x 2160 (4K) |
| Aspect Ratio | 16:9 |
| Displayable Color | 1.07 billion colors |
| Color Wheel Speed | 2 X for Normal |
| Projection Lens | F-Stop: F/2.74<br>Focal length, f=2.84 mm<br>No Manual Zoom Lens, Fixed<br>Throw ratio =Fixed UST 0.18 wide and tele<br>Offset ratio: 118% |
| Projection Screen Size | 100 ~ 130 inches (diagonal) |
| Projection Distance | 0.32 ~ 0.74 ft (10 ~ 22.5 cm) |
| Video Compatibility | Component Video input via HDMI: 2160p (24/25/60 Hz), 1080i (24/25/60 Hz), 720p (50/60 Hz), 576i/p, 480i/p |
| Power Supply | Universal AC 100-240 V 50-60 Hz with PFC input |
| Power Consumption | Normal mode: 500 W ± 15% @ 110 Vac<br>Eco mode: 280 W ± 15% @ 110 Vac<br>Standby mode: < 0.5 W<br>Network standby: < 2 W<br>**NOTE:** By default, the projector is set to enter power saving mode after 20 minutes of no activity. |
| Audio | 2 speakers x 6 watt RMS |

| | |
|---|---|
| Noise Level | Normal mode: 33 dB(A)<br>Eco mode: 29 dB(A) |
| Projector Weight | < 29.76 lb (13.5 Kg) |
| Dimensions (W x D x H) | 18.07 x 15.16 x 5.31 inches (459 x 385 x 135 mm)<br>  <br> |
| Environmental | Operating temperature: 5 °C - 40 °C (41 °F-104 °F)<br>Humidity: 80% maximum<br>Storage temperature: 0 °C to 60 °C (32 °F to 140 °F)<br>Humidity: 90% maximum<br>Shipping temperature: -20 °C to 60 °C (-4 °F to 140 °F)<br>Humidity: 90% maximum |
| I/O Connectors | Power: One AC power socket (3-pin - C14 inlet)<br>HDMI 2.0 input: One HDMI 2.0 connector for HDMI 2.0 specification HDCP 2.2 compliant and HDR capable.<br>HDMI 1.4 input: Two HDMI 1.4 connectors for HDMI 1.4 specification HDCP 2.2 compliant.<br>Variable audio output: One 3.5 mm stereo mini phone jack (Green).<br>USB (mini type B) port: One mini type B connector for firmware upgrade.<br>USB 3.0 (type A) port: One USB 3.0 type A connector for USB playback.<br>USB Power (5V/1.8A): Two USB Power (5V/1.8A) for power only<br>RS232 port: One 9-pin D-sub for RS232 communication. |

| | |
|---|---|
| | RJ-45 port: One RJ-45 connector for build-in for network control and LAN display.<br>SPDIF port: One SPDIF connector for digital audio output. |
| Light Source | Up to 20,000 hours in Normal mode |

## Compatibility Mode (Digital)

| Resolution | Refresh Rate (Hz) | H Sync Frequency (KHz) | Pixel Clock (MHz) | Support HDMI 1.4 or 2.0 |
|---|---|---|---|---|
| 640 x 480 | 59.940 | 31.469 | 25.175 | HDMI 1.4 & 2.0 |
| 640 x 480 | 75.000 | 37.500 | 31.500 | HDMI 1.4 & 2.0 |
| 640 x 480 | 85.008 | 43.269 | 36.000 | HDMI 1.4 & 2.0 |
| 720 x 480 p60 | 59.940 | 31.469 | 27.000 | HDMI 1.4 & 2.0 |
| 720 x 576 p50 | 50.000 | 31.250 | 27.000 | HDMI 1.4 & 2.0 |
| 800 x 600 | 60.317 | 37.879 | 40.000 | HDMI 1.4 & 2.0 |
| 800 x 600 | 75.000 | 46.875 | 49.500 | HDMI 1.4 & 2.0 |
| 800 x 600 | 85.061 | 53.674 | 56.250 | HDMI 1.4 & 2.0 |
| 1024 x 768 | 60.004 | 48.363 | 65.000 | HDMI 1.4 & 2.0 |
| 1024 x 768 | 74.930 | 60.241 | 80.000 | HDMI 1.4 & 2.0 |
| 1024 x 768 | 84.997 | 68.677 | 94.500 | HDMI 1.4 & 2.0 |
| 1280 x 720 | 59.855 | 44.772 | 74.250 | HDMI 1.4 & 2.0 |
| 1280 x 720 p50 | 50.000 | 37.500 | 74.250 | HDMI 1.4 & 2.0 |
| 1280 x 720 p60 | 60.000 | 45.000 | 74.250 | HDMI 1.4 & 2.0 |
| 1280 x 800 | 59.810 | 49.702 | 83.500 | HDMI 1.4 & 2.0 |
| 1280 x 1024 | 60.020 | 63.981 | 108.000 | HDMI 1.4 & 2.0 |
| 1366 x 768 | 59.790 | 47.712 | 85.500 | HDMI 1.4 & 2.0 |
| 1400 x 1050 | 59.978 | 65.317 | 121.750 | HDMI 1.4 & 2.0 |
| 1600 x 1200 | 60.000 | 75.000 | 162.000 | HDMI 1.4 & 2.0 |
| 1920 x 1080 | 60.000 | 67.500 | 148.500 | HDMI 1.4 & 2.0 |
| 1920 x 1080 i50 | 50.000 | 28.125 | 74.250 | HDMI 1.4 & 2.0 |
| 1920 x 1080 i60 | 60.000 | 33.750 | 74.250 | HDMI 1.4 & 2.0 |
| 1920 x 1080 p120 | 120.00 | 33.750 | 297.000 | HDMI 1.4 & 2.0 |
| 3840 x 2160 | 24.000 | 54.000 | 297.000 | HDMI 1.4 & 2.0 |
| 3840 x 2160 | 25.000 | 56.250 | 297.000 | HDMI 1.4 & 2.0 |
| 3840 x 2160 | 30.000 | 67.500 | 297.000 | HDMI 1.4 & 2.0 |

| | | | | |
|---|---|---|---|---|
| 3840 x 2160 | 50.000 | 112.500 | 594.000 | HDMI 2.0 |
| 3840 x 2160 | 60.000 | 135.000 | 594.000 | HDMI 2.0 |
| 4096 x 2160 | 24.000 | 54.000 | 297.000 | HDMI 1.4 & 2.0 |
| 4096 x 2160 | 25.000 | 56.250 | 297.000 | HDMI 1.4 & 2.0 |
| 4096 x 2160 | 30.000 | 67.500 | 297.000 | HDMI 1.4 & 2.0 |
| 4096 x 2160 | 50.000 | 112.500 | 594.000 | HDMI 2.0 |
| 4096 x 2160 | 60.000 | 135.000 | 594.000 | HDMI 2.0 |

# 7 Additional Information

For additional information on how to use your projector, please see the **Dell Projectors User Guide** at www.dell.com/support/manuals.

# 8 Contacting Dell

For customers in the United States, call 800-WWW-DELL (800-456-3355).

**NOTE:** If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit go to www.dell.com/contactDell.
2. Select your country from the displayed list.
3. Select a Segment for Contact.
4. Select the appropriate service or support link based on your need.

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