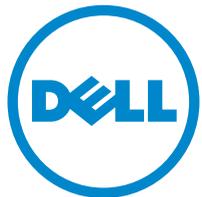


Dell WR517 Wireless Receiver User's Guide

Model: WR517
Regulatory model: WR517b



Notes, cautions, and warnings



NOTE: A NOTE indicates important information that helps you make better use of your product.



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.

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About Your Receiver

Introduction

The Dell Wireless Receiver enables your laptop computer, Tablet & Mobile Phone devices to display your screen image on the connected display via Wi-Fi Direct interface. When you connect the Laptop, Tablet & Mobile Phone to the Dell Wireless Receiver, you can access the mouse & keyboard connected to the receiver to control the Compute device (Laptop, Tablet or Mobile Phone).

 **NOTE:** The Wireless Receiver is equipped with an antenna of the radio transmitter, so we recommend that you keep a safe distance of 20 cm at least between the receiver and you.

Package Contents

Your Wireless Receiver ships with the components shown below. Ensure that you have received all the components and [Contact Dell](#) if something is missing.

 **NOTE:** Some items may be optional and may not ship with your Wireless Receiver. Some features or media may not be available in certain countries.

	Wireless Receiver
	Micro USB Cable

	Screws
	HDMI Cable
	<ul style="list-style-type: none"> • Drivers and Documentation Media • Quick Setup Guide • Wireless Safety and Regulatory Information

Product Features

The **Dell WR517** wireless receiver features include:

- Wireless connectivity via IEEE 802.11 ac, bluetooth, and Screencast.
- The connectivity makes it simple and easy to connect with legacy and new systems.
- Screenovate drivers/app to support additional/enhanced HID sharing features will be included for Windows® 7/8.x/10.
- Security-lock slot.
- EPEAT Silver Rating.
- BFR/PVC- Reduced.

Identifying Parts and Controls

Right Side View



Label	Description	Use
1	HDMI port	Connect your receiver and display with the HDMI cable.
2	Micro USB port	Connect to the USB downstream port on the display for power charging.
3	USB downstream port	Connect your USB keyboard and mouse.
4	LED indicator	Notifies the power status of yours receiver. A solid white light indicates that power is on; when the light goes off, the receiver stops working.

Left Side View



Label	Description	Use
1	Security-cable slot	Secures the receiver with security lock (optional purchase).

Back View



Label	Description	Use
1	Mounting holes	For attaching the Wireless Receiver to your display.

Wireless Receiver Specifications

Physical Characteristics

Model	WR517
Signal cable type	Digital: HDMI, 19 pins
Dimensions	
Height	15 mm (0.59 inches)
Width	86 mm (3.39 inches)
Depth	121 mm (4.76 inches)
Weight	
Weight with packaging	0.24 kg (0.52 lbs)
Weight with cables	0.39 kg (0.85 lbs)

Supported Video Modes

Model	WR517
Video display capabilities	480p, 720p, 1080p

Electrical Specifications

Model	WR517
Video input signals	HDMI 1.4, 600 mV for each differential line, 100 ohm input impedance per differential pair
USB DC input voltage	5V/2A
Inrush current	120 V:30 A (Max.) at 0 °C (cold start) 240 V:60 A (Max.) at 0 °C (cold start)

Wireless Specifications

Model	WR517
Processor	Qualcomm Octa-core
Standard	802.11 ac
Frequency Band	2.4 GHz, 5 GHz
Connectivity	WiFi Direct, Screencast

Security	WPA, WPA2
Content DRM	HDCP 2.2

Environmental Characteristics

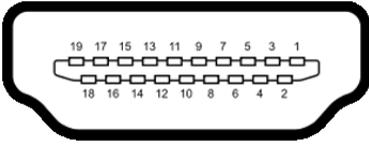
Model	WR517
Temperature	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Non-operating	<ul style="list-style-type: none"> Storage: -20 °C to 60 °C (-4 °F to 140 °F) Shipping: -20 °C to 60 °C (-4 °F to 140 °F)
Humidity	
Operating	10% to 80% (non-condensing)
Non-operating	<ul style="list-style-type: none"> Storage: 5% to 90% (non-condensing) Shipping: 5% to 90% (non-condensing)
Altitude	
Operating	5,000 m (16,404 ft) (maximum)
Non-operating	12,192 m (40,000 ft) (maximum)
Thermal dissipation	<ul style="list-style-type: none"> 187.66 BTU/hour (maximum) 81.89 BTU/hour (typical)

WR517	Power Indicator	Power Consumption
Normal operation	White	8 W (maximum)* 3 W (typical)
Switch off	Off	Less than 0.3 W

* Maximum power consumption with USB and 5G band active.

Pin Assignments

HDMI Connector



Pin Number	19-pin Side of the Connected Signal Cable
1	TMDS DATA 2+
2	TMDS DATA 2 SHIELD
3	TMDS DATA 2-
4	TMDS DATA 1+
5	TMDS DATA 1 SHIELD
6	TMDS DATA 1-
7	TMDS DATA 0+
8	TMDS DATA 0 SHIELD
9	TMDS DATA 0-
10	TMDS CLOCK+
11	TMDS CLOCK SHIELD
12	TMDS CLOCK-
13	CEC
14	Reserved (N.C. on device)
15	DDC CLOCK (SCL)
16	DDC DATA (SDA)
17	DDC/CEC Ground
18	+5V POWER
19	HOT PLUG DETECT

Universal Serial Bus (USB) Interface

This section gives you information about the USB ports that are available on the receiver.

 **NOTE:** This receiver is Super-Speed USB 3.0 compatible.

Transfer Speed	Data Rate	Power Consumption
Full speed	12 Mbps	4.5 W (Max, each port)

USB Downstream Connector



Pin Number	9-pin Side of the Connector
1	VCC
2	D-
3	D+
4	GND
5	SSTX-
6	SSTX+
7	GND
8	SSRX-
9	SSRX+

USB Port

- 2 downstream - side

 **NOTE:** USB 3.0 functionality requires a USB 3.0-capable device.

 **NOTE:** The USB 3.0 port only supports your mouse/keyboard. Connecting any device which requires high power current supply will cause an inactivity.

Setting Up the Receiver

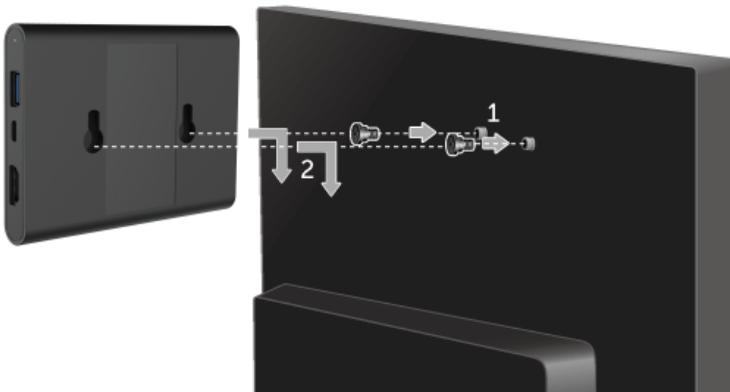
Connecting Your Wireless Receiver with a Display

⚠ WARNING: Before you perform any of the procedures in this section, follow the [Safety Instructions](#).

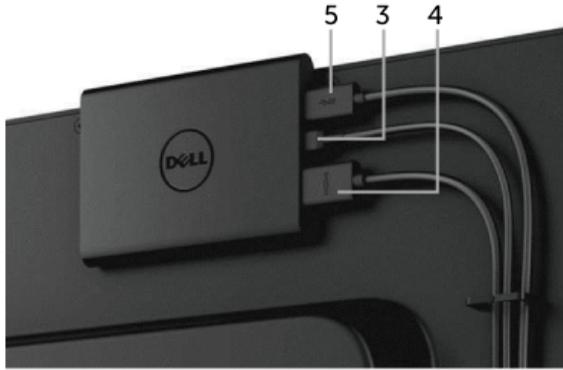
✍ NOTE: The Wireless Receiver is equipped with an antenna of the radio transmitter, so we recommend that you keep a safe distance of 20 cm at least between the receiver and you.

To connect your Wireless Receiver to a display:

- 1 Use a Phillips crosshead screwdriver to fasten the two screws (shipped with the receiver) to the mounting rack on the rear of your display.
- 2 Align the mounting holes of the Wireless Receiver with the two screws that were secured on the rear side of the display, and then push the receiver downward until it is locked it into place.



- 3 Connect the micro USB cable (supplied with the receiver) from the Wireless Receiver to the USB port on the display to get power.
- 4 Connect the HDMI cable (supplied with the receiver) from the Wireless Receiver to the display.
- 5 Connect your USB cable from the Wireless Receiver to your keyboard or mouse.



6 Turn On the display and the Wireless Receiver will be activated at the same time.



NOTE: You may turn Off the Wireless Receiver by disconnecting the micro USB cable from the display.



NOTE: The graphics are used for the purpose of illustration only. Appearance of the display may vary.

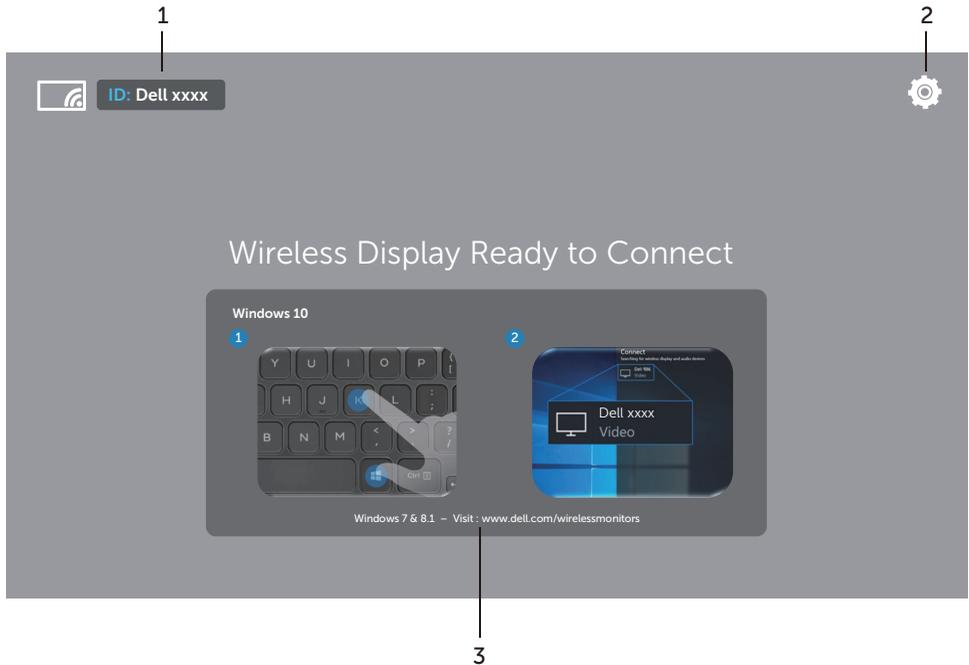
Mirroring Your Device's Screen on the Display

Setting Up Wireless Connection

Dell Wireless Receiver allows you to wirelessly display and manage content. Wireless display is supported by Windows® 8.1, Windows® 10, Android™ 5.0 or newer version operating systems via Screencast. Wireless display is supported by Windows® 7 via Dell Wireless Monitor Software.

When the input source for the display is set to HDMI, the Dell wireless home screen allows you to configure more advanced wireless settings.

Navigating the Home Screen



NOTE: The illustration is for reference only and may differ from the newer versions.

Label	Item	Description
1	SSID (Service Set Identifier)	Displays the network name (SSID) of your wireless receiver broadcasted over Wi-Fi and identified by your smart devices. You may change the name, see Band Selection .
2	Settings	The Settings menu is your main hub for your wireless receiver and general settings. See Using the Settings menu .
3	Information and Assistance	For further information or assistance, visit Dell Support website: www.dell.com/wirelessmonitors or download Dell Wireless Monitor app from Google Play™ store to your Android smart device.

Using the Settings menu

Clicking the **Settings** menu icon, , opens the following menu options.



Menu	Description
Band Selection	Allows you to switch between 2.4 GHz and 5 GHz bands. The default setting is Auto . NOTE: It is recommended that you use the default setting of Auto if you can not determine the best Wi-Fi channel for your device.
Rename	Select to display the Rename dialog box. Then use the keyboard to change the network name (SSID) of the your receiver.
Advanced	The default setting is Enabled , allowing you to mirror your Screenshot-capable devices' screens in real-time.

Factory Reset	Select OK to restore default settings. Selecting Cancel will quit without saving.
About	Select to view the current version number.

Connecting the Display via Screencast or Screen Mirror

To wirelessly connect the receiver with your computer, click the link below of the operating system (OS) you are using to see more details.

- [Using Windows® 10](#)
- [Using Windows® 8.1](#)
- [Using Windows® 7](#) (supported by Dell Wireless Monitor app)

To wirelessly connect the receiver with an Android device, you may use either the Settings menu on the device or Dell Wireless Monitor app, downloaded from Google Play store. Click the link below to see more details.

- [Using Settings on an Android™ Smartphone](#)
- [Using Dell Wireless Monitor App on an Android™ Smartphone](#)



NOTE: The environment surrounding the receiver and the computer may affect transmission signal and compromise signal strength. Avoid placing objects between the receiver and the connecting device that may interfere with the normal wireless operations.

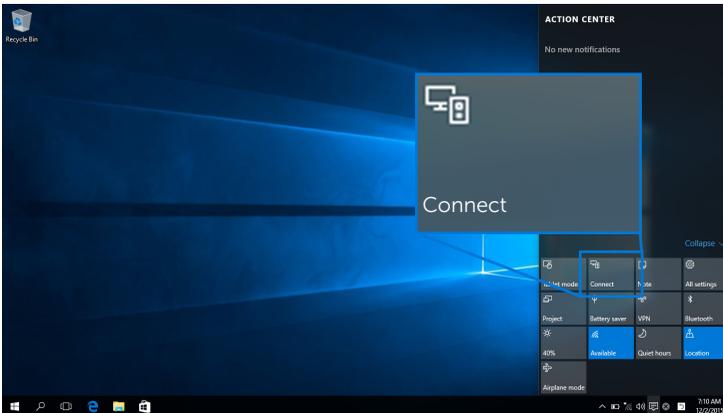
Using Windows® 10



NOTE: The illustrations below are for reference only and may differ from your actual computer screen based on the settings, version, and the language of your operating system.

Connecting to a Device

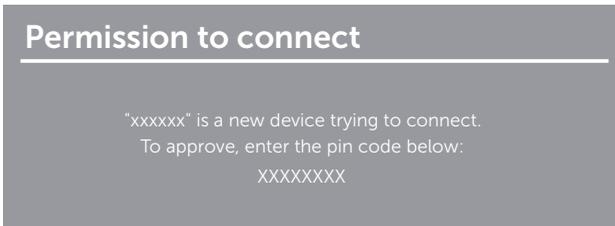
- 1 Select **Connect** from the Action Center.



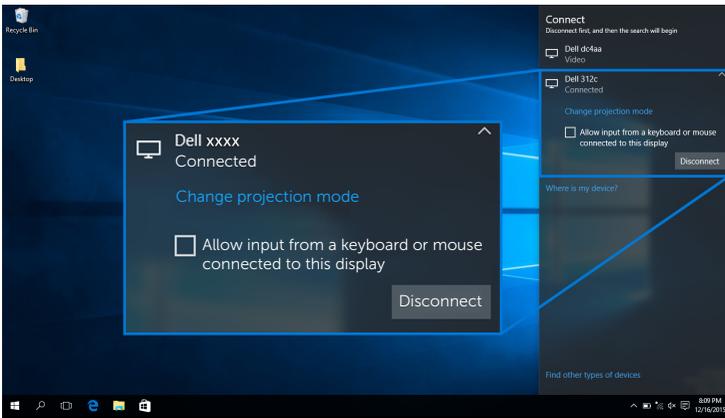
- 2 Select the SSID name as displayed on your display from the list.



- 3 When a 8-digit pin code displays, enter the pin code accordingly into your device. After the connection is accepted, your device will start projecting images to your display.

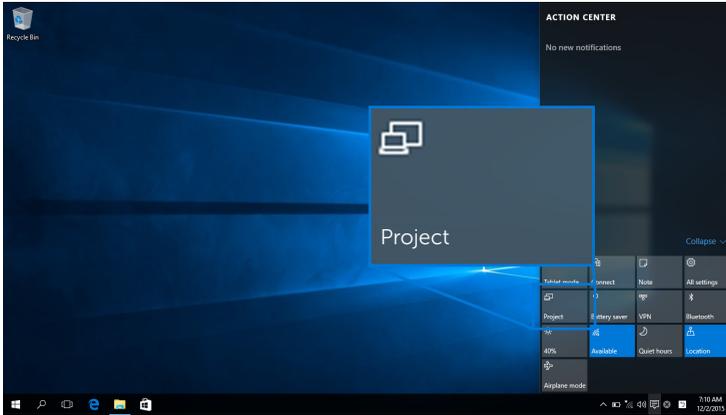


 **NOTE:** To control the projected images with keyboard and mouse connected to your display, select **Allow input from a keyboard or mouse connected to this display**.

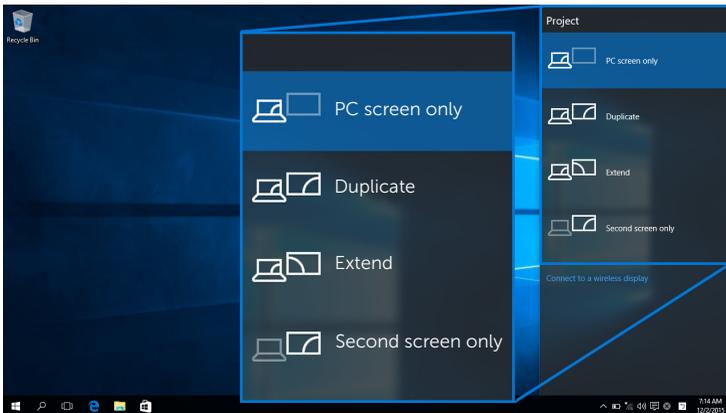


Changing the Projection Mode

- 1 Select **Project** from the Action Center.



- 2 Select your Projection Mode.

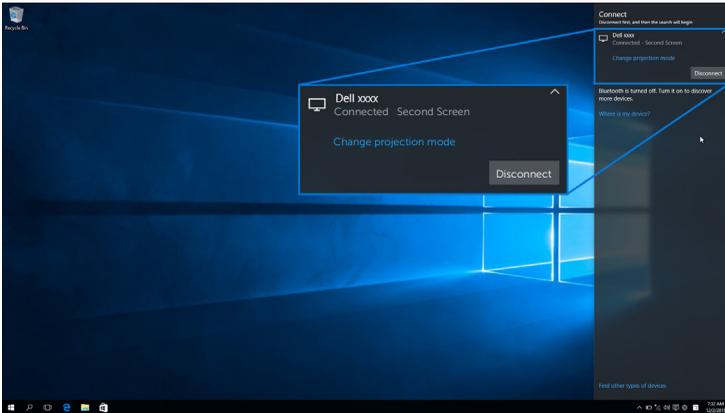


Disconnecting from a Device

- 1 Select **Connect** from the Action Center.



- 2 Select **Disconnect** and your device will stop projecting images to your display.



Using Windows® 8.1



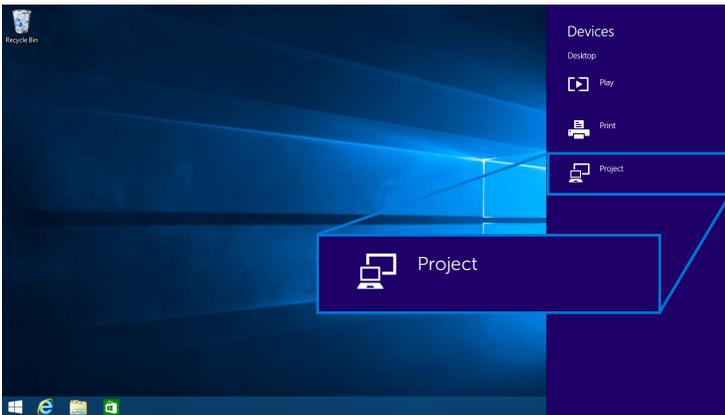
NOTE: The illustrations below are for reference only and may differ from your actual computer screen based on the settings, version, and the language of your operating system.

Connecting to a Device

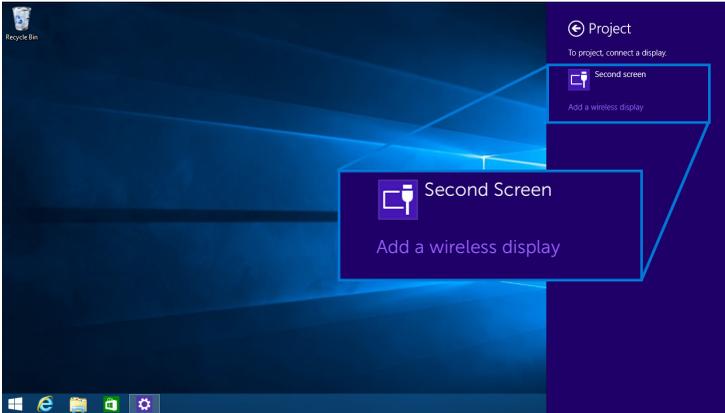
- 1 Select **Devices** from the Charms bar.



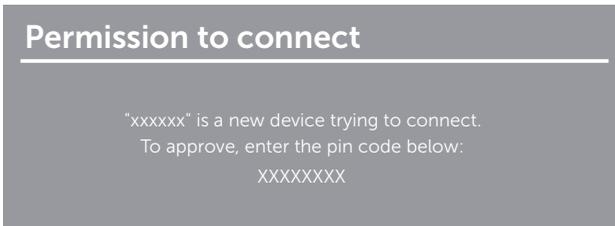
- 2 Select **Project** from the **Devices** menu.



3 Select **Add a wireless display** from the **Project** menu.



4 When a 8-digit pin code displays, enter the pin code accordingly into your device. After the connection is accepted, your device will start projecting images to your display.



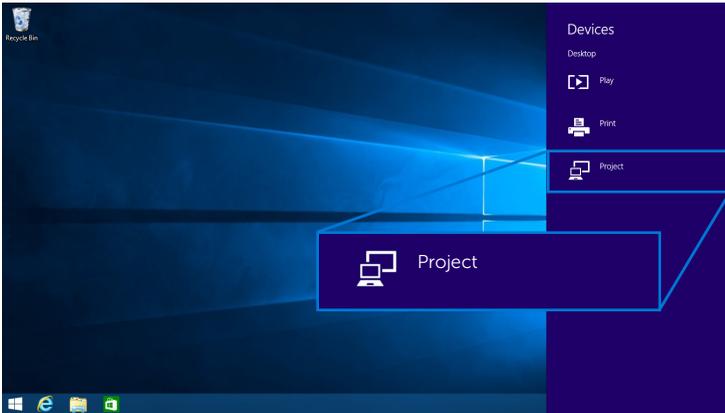
 **NOTE:** You may control the projected images with keyboard and mouse connected to your display.

Changing the Projection Mode

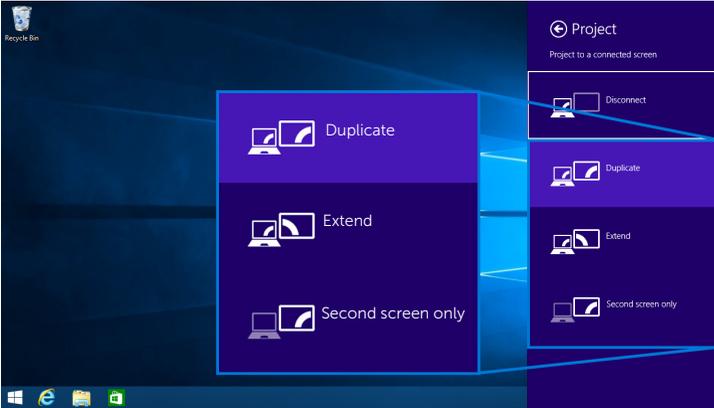
- 1 Select **Devices** from the Charms bar.



- 2 Select **Project** from the **Devices** menu.



3 Select your Projection Mode.

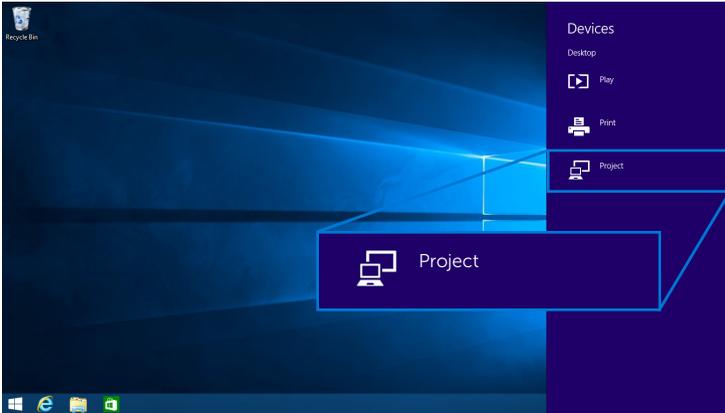


Disconnecting from a Device

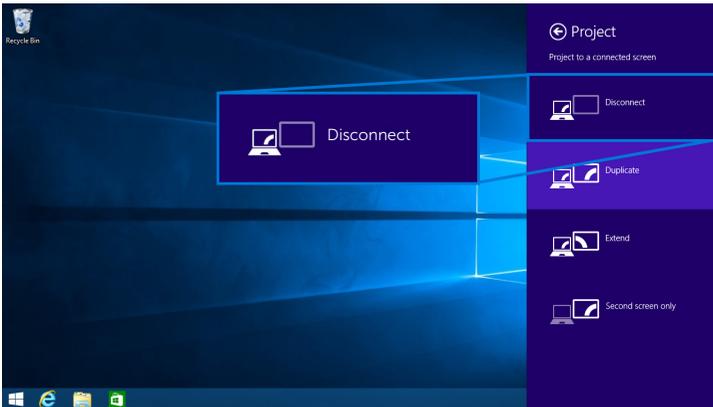
1 Select **Devices** from the Charms bar.



2 Select **Project** from the **Devices** menu.



3 Select **Disconnect** and your device will stop projecting images to your display.



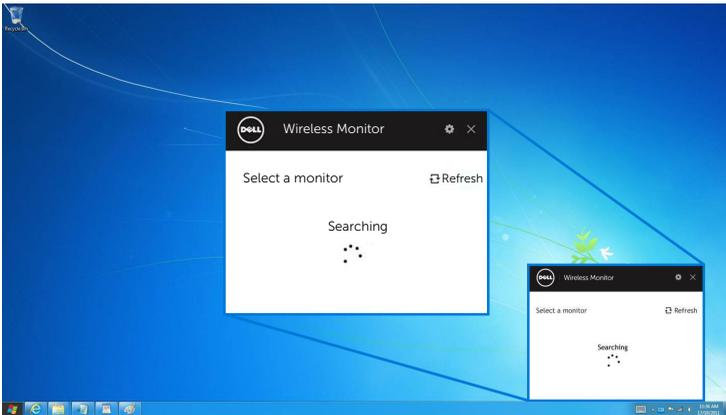
Using Windows® 7

 **NOTE:** Download the Dell Wireless Monitor Software before making wireless connection to your Wireless Receiver.

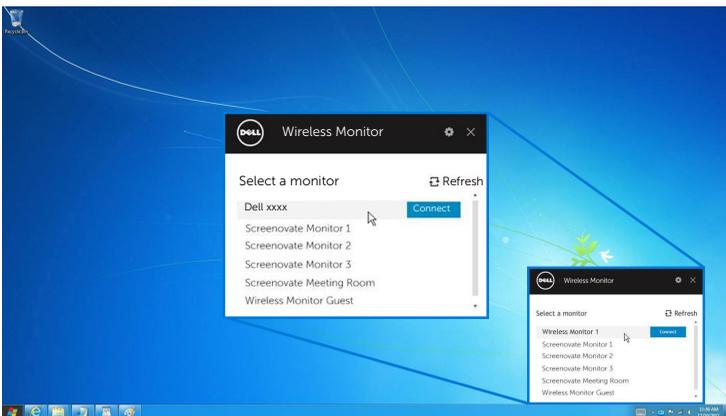
 **NOTE:** The illustrations below are for reference only and may differ from your actual computer screen based on the settings, version, and the language of your operating system.

Connecting to a Device

- 1 Open the Dell Wireless Monitor Software and it will automatically search for available devices.



- 2 When the SSID name as displayed on your display shows up on the list, click **Connect**.

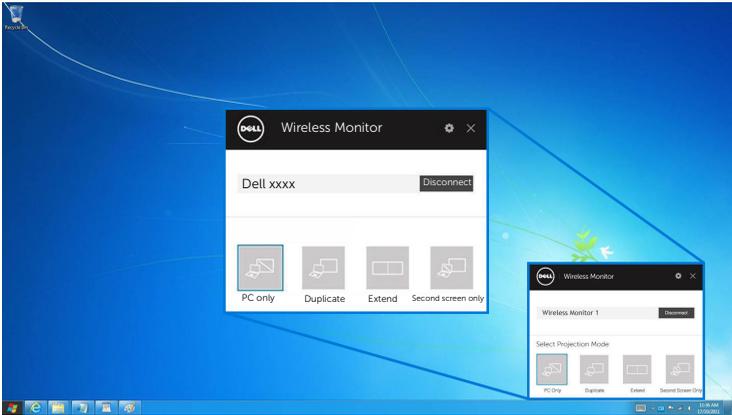


- 3 When a 8-digit pin code displays, enter the pin code accordingly into your device. After the connection is accepted, your device will start projecting images to your display.



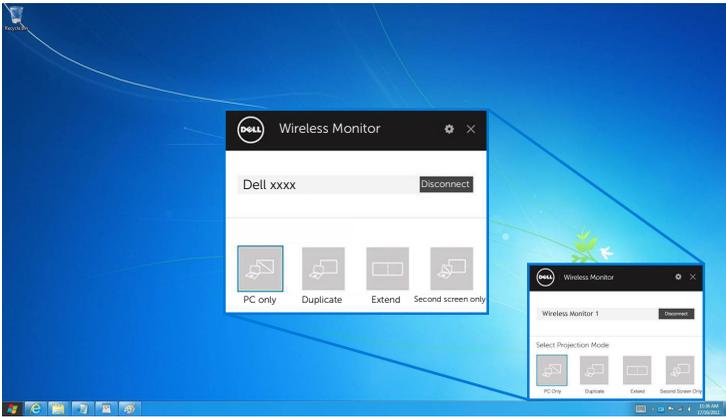
Changing the Projection Mode

- 1 Click on the Dell Wireless Monitor Software.
- 2 Select your Projection Mode.



Disconnecting from a Device

- 1 Click on the Dell Wireless Monitor Software.
- 2 Click **Disconnect** and your device will stop projecting images to your display.



Using Settings on an Android™ Smartphone

Use Settings to connect to a Device

- 1 Open the Settings menu of your device.
- 2 Tap **Display**, then tap **Screen Mirroring** (depending on your device manufacturer, the name may be different).
- 3 Tap **Cast**.
- 4 Tap the **Menu** icon, then select **Enable** wireless display.
- 5 When a 8-digit pin code displays, enter the pin code accordingly into your device. After the connection is accepted, your device will start projecting images to your display.

Permission to connect

"xxxxxx" is a new device trying to connect.
To approve, enter the pin code below:
XXXXXXXX

To stop projecting images to your display, swipe down the notification shade with two fingers from the top of your screen and touch **Disconnect**.

Using Dell Wireless Monitor App on an Android™ Smartphone

Connecting to a Device

- 1 Turn on Wi-Fi and Bluetooth connection on your Android device.

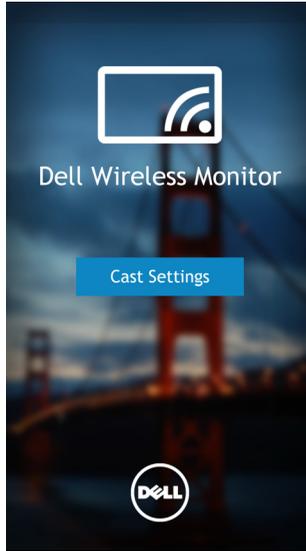


NOTE: If the Bluetooth on your Android device is turned on before making the connection, you will be able to control the casted screen with keyboard or mouse connected to your display after connection is made.

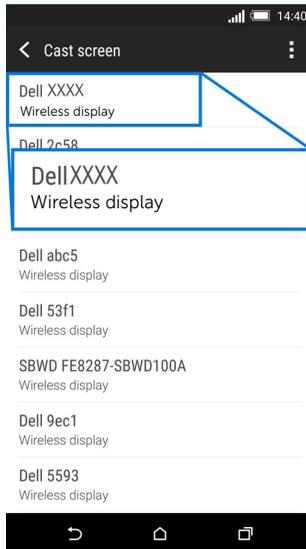
- 2 Tap to activate the **Dell Wireless Monitor** app on your Android device.



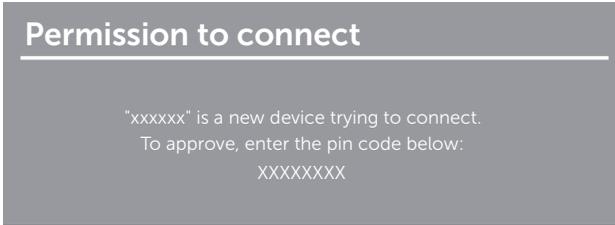
3 Tap **Cast Settings**.



4 Tap the SSID name as displayed on your display.



- 5 When a 8-digit pin code displays, enter the pin code accordingly into your device. After the connection is accepted, your device will start projecting images to your display.



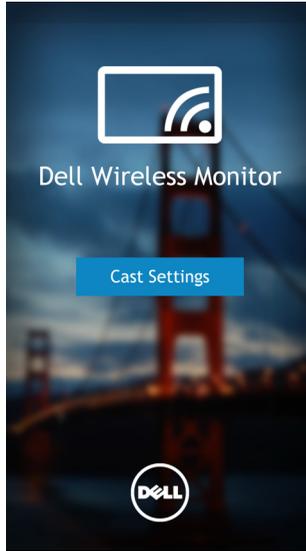
 **NOTE:** If your device settings differ from those shown above, please refer to your device manual for **Cast Screen** connection instructions.

Disconnecting from a device

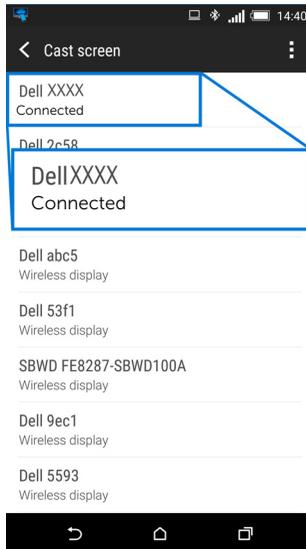
- 1 Tap to activate the **Dell Wireless Monitor** app on your Android device.



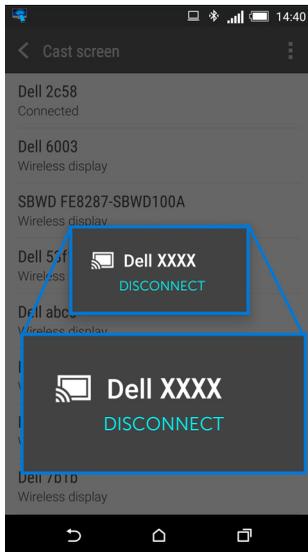
2 Tap **Cast Settings**.



3 Tap the display name that is **Connected**.



- 4 Tap **DISCONNECT** and your Android device will stop projecting images to your display.



NOTE: To check whether your device is supported, please visit Dell Support website: www.dell.com/wirelessmonitors or refer to your device manual or contact your device manufacturer for compatibility.

Updating Software of Wireless Receiver

With the OTA (over-the-air) upgrade feature, the Dell Wireless Monitor can be upgraded to the most up-to-date version.

Please make sure that you have the following installed and ready:

- 1 Install Dell Wireless Monitor app on your Windows® system.
- 2 Connect your Windows® system to the Internet.
- 3 Connect your Windows® system to the display for wireless display.

The Dell Wireless Monitor app will check for the latest version. Click **Accept** to download and install. Updating takes place in the background.

Connecting Keyboard and Mouse

Dell Wireless Monitor allows user to control device from a single keyboard and mouse connected to the display.



NOTE: Make sure Dell Wireless Monitor Software has been installed before using a keyboard or mouse to control the computer or Android device.



NOTE: The function support standard keyboard and mouse only.

- 1 Connect the keyboard or mouse to the USB downstream port of the display.
- 2 Then you can use the keyboard or mouse to control the home screen, computer, or Android device.

Troubleshooting



WARNING: Before you begin any of the procedures in this section, follow the [Safety Instructions](#).

Product Specific Problems

Specific Symptoms	What You Experience	Possible Solutions
No Input Signal when user controls are pressed	No picture, the LED light is white	<ul style="list-style-type: none">• Check the signal source. Ensure the computer is not in the power saving mode by moving the mouse or pressing any key on the keyboard.• Check whether the signal cable is plugged in properly. Re-plug the signal cable if necessary.• Reset the computer or video player.

Universal Serial Bus (USB) Specific Problems

Specific Symptoms	What You Experience	Possible Solutions
USB interface is not working	USB peripherals are not working	<ul style="list-style-type: none">• Check that your display is turned On.• Reconnect the USB peripherals (downstream connector).• Switch Off and then turn On the display again.

Appendix

WARNING: Safety Instructions

 **WARNING: Use of controls, adjustments, or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards, and/or mechanical hazards.**

For information on safety instructions, see the Safety, Environmental, and Regulatory Information (SERI).

FCC Notices (U.S. Only) and Other Regulatory Information

For FCC notices and other regulatory information, see the regulatory compliance website located at www.dell.com/regulatory_compliance.

Contact Dell

For customers in the United States, call 800-WWW-DELL (800-999-3355).

 **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.

- Online technical assistance — www.dell.com/support/monitors
- Contacting Dell — www.dell.com/contactdell