


# Dell Power Companion PW7015M/PW7015L User's Guide

Regulatory model: PW7015M/PW7015L



# Notes, Cautions, and Warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your power companion.

 **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.

## Restrictions and Disclaimers

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# About Your Power Companion

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## Product Features

The features of the Dell Power Companion PW7015M/PW7015L include:

### Portability

You could use your power companion to charge your Dell laptop or mobile devices while on-the-go.

### Compatibility

Supports Dell dedicated PSID (Power Supply Identifier) protocol and select Dell power adapters.

### Compliance

Suitable for devices compliant with USB battery charging specification, Revision 1.2 (BC1.2).

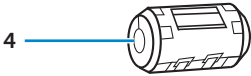
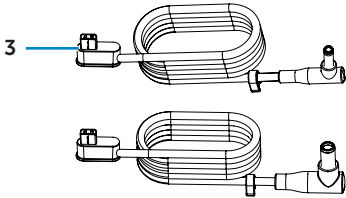
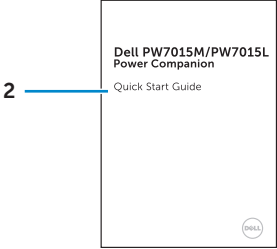
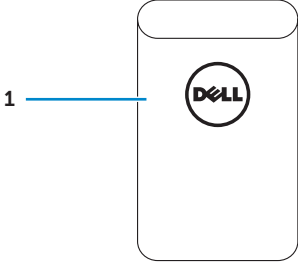
### Compact design

Small in size and ideal to be placed in pockets/bags.

# Package Contents

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The power companion is shipped with the following:



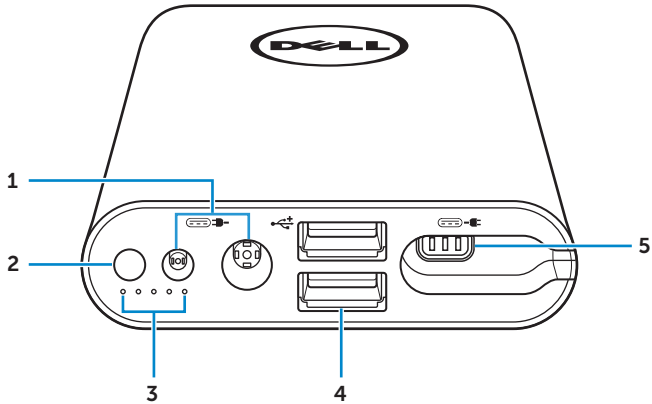
- 1 Power companion
- 2 Documents

- 3 Power-out cables for laptop
- 4 Ferrite core

# Identifying Parts and Controls

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## Power Companion



- |   |                                     |   |                            |
|---|-------------------------------------|---|----------------------------|
| 1 | Power-in port (from laptop adapter) | 4 | USB-out ports (2)          |
| 2 | Power button/Battery-status button  | 5 | Power-out port (to laptop) |
| 3 | Battery-status lights (5)           |   |                            |

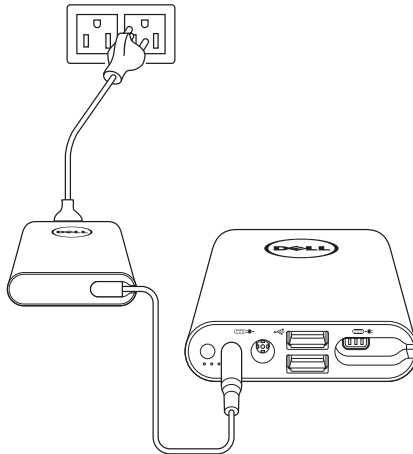
# Charging Your Power Companion

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**⚠ WARNING:** To avoid injury and damaging your device, only use the power adapter of your Dell computer.

Before first use, charge the power companion using the power adapter of your Dell computer.

- ✎ NOTE:** It takes approximately 3 hours to fully charge the power companion.
- ✎ NOTE:** You can charge your devices through the power companion while the power companion is getting charged.
- ✎ NOTE:** The power adapter is not shipped with the power companion.



1. Connect one end of the power adapter of your Dell computer to the power-in port of the power companion.
2. Connect the power adapter of your Dell computer to an electrical outlet.
  - The battery-status light turns on (solid white) indicating the battery is getting charged. Refer to **"Checking Battery Charge Status"** section for details.
  - The battery-status lights turn off when the battery is fully charged or when the power adapter is disconnected.

**✎ NOTE:** If the amber battery-status light lights up while the battery is charging, this indicates a charging error. Check if you are using the correct power adapter.

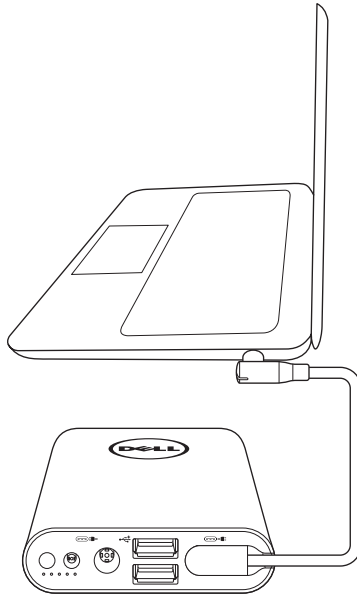
**✎ NOTE:** For more information on battery-status lights, see **"Checking Battery Charge Status"** on page 11.



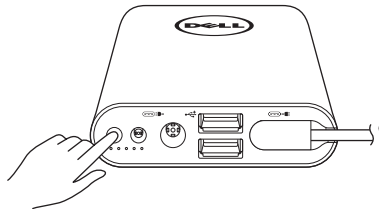
# Charging Your Device


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## Charging Your Laptop



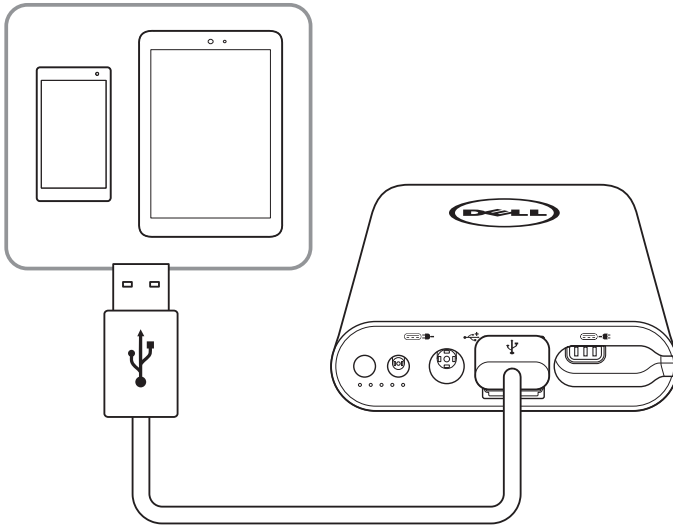
1. Connect one end of the power-output cable to the power-out port of the power companion.
2. Connect the other end of the power-output cable to the power-adapter port of your laptop.
3. Press the power button to start charging your laptop.



 **NOTE:** The battery-status light blinks amber when the power companion battery is low.

## Charging Your Mobile Devices

Using the power companion, you can charge up to two portable devices simultaneously.



1. Connect one end of the USB cable to the USB port on the power companion.
2. Connect the other end of the USB cable to the charging port of your mobile device.


**NOTE:** The USB cable is not shipped with the power companion.

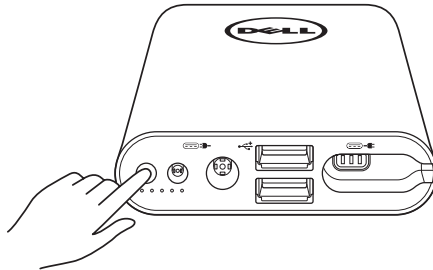
**NOTE:** The battery-status light blinks amber when the power companion battery is low.


# Checking the Battery


## Checking Battery Charge Status

You can check the battery-charge status by pressing the power button. The battery-status lights turn on indicating the battery-charge status of the power companion.

 **NOTE:** The battery-status lights remain illuminated for 5 seconds after you release the power button.



Battery-Status Light	LED Color & Behavior	Battery Capacity Status
All 5 battery-status lights are off ● ● ● ● ●	Off	100%
All 5 battery-status lights are on ○ ○ ○ ○ ○	White (solid)	81% – 99%
1 <sup>st</sup> -4 <sup>th</sup> battery-status lights are on ○ ○ ○ ○ ●	White (solid)	61% – 80%
1 <sup>st</sup> -3 <sup>rd</sup> battery-status lights are on ○ ○ ○ ● ●	White (solid)	41% – 60%
1 <sup>st</sup> -2 <sup>nd</sup> battery-status lights are on ○ ○ ● ● ●	White (solid)	21% – 40%
1 <sup>st</sup> battery-status light is on ○ ● ● ● ●	White (solid)	11% – 20%
1 <sup>st</sup> battery-status light blinks  ● ● ● ●	Amber (blink)	1-10% (battery low state)

 **NOTE:** All five battery-status lights turn off when the battery is fully charged.

## Checking Battery Health

Battery health is a measurement reflecting the general condition of the battery. It indicates how much battery life remains before the power companion must be replaced.

 **NOTE:** The units of SOH (State Of Health) are percentage (%) points.

A battery's SOH is 100% at the time of manufacture and will deteriorate gradually with usage.

Press and hold the power button for 5 seconds to turn on the power companion and check the battery health status.

Battery-Status Light	Battery Health Status
5 <sup>th</sup> battery-status light is on ● ● ● ● ○	81% – 100%
4 <sup>th</sup> & 5 <sup>th</sup> battery-status lights are on ● ● ● ○ ○	61% – 80%
3 <sup>rd</sup> ~5 <sup>th</sup> battery-status lights are on ● ● ○ ○ ○	41% – 60%
2 <sup>nd</sup> ~5 <sup>th</sup> battery-status lights are on ● ○ ○ ○ ○	21% – 40%
All 5 battery-status lights are on ○ ○ ○ ○ ○	1% – 20%

## Error Status

The type of error condition table is shown below.

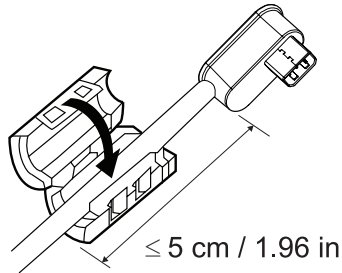
Event	Battery-Status Light Color & Behavior	Status
All modes	One second flash ON/OFF interchangeably on the 1 <sup>st</sup> battery-status light (amber) and 2 <sup>nd</sup> battery-status light (white)	Over temperature
PSID Fail or Daisy Chain	Solid amber	Error caused by using the wrong adapter.

# Attaching the Ferrite Core

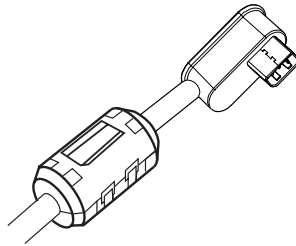
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In order to reduce electromagnetic interference, attach the supplied ferrite core on the power-output cable connected to your laptop.

1. Open the two halves of the ferrite core.
2. Clamp the core around the power-output cable as shown in the illustration.



3. Fold over the ferrite core, snapping the small latches back together.



For PW7015M, attach the ferrite core to the power-out cable of your power companion when using a 90-watt power adapter.

For PW7015L, attach the ferrite core to the power-out cable of your power companion for all types of power adapters.

# Troubleshooting

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## Common Symptoms

The following table contains information about common issues you might encounter and the possible solutions.

Common Symptoms	Possible Solutions
The power companion gets unusually hot when placed inside the pocket/bag.	<ul style="list-style-type: none"><li>• Unplug the power output cable immediately.</li><li>• Take the power companion out of your pocket/bag immediately. Then let it cool down.</li></ul>
The power companion battery power gets drained too fast.	When connecting to a mobile device, close applications you are not using or set the device to airplane mode.
The battery-status light does not turn on.	<ul style="list-style-type: none"><li>• Check if the power companion is out of battery power. Charge the power companion.</li><li>• If the problem persists, contact Dell or your dealer for technical assistance.</li></ul>

# Specifications

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## General

Model number	PW7015M (4-cell, 45 W) / PW7015L (6-cell, 65 W)
Supported input power adapters	Select Dell power adapters
Supported output	PW7015M: 19.5 V, 2.3 A PW7015L: 19.5 V, 4.62 A
USB output	5 V, up to 2.1 A
LED	5 battery-status lights

## Physical Characteristics

Weight	PW7015M: 293 g (0.65 lb) PW7015L: 417 g (0.92 lb)
Dimension (L x W x H)	PW7015M: 121.5 x 78 x 21.5 mm (4.78 x 3.07 x 0.85 in) PW7015L: 162 x 78 x 21.5 mm (6.38 x 3.07 x 0.85 in)
Cord length	655mm (25.8 in)

## Interfaces/Ports

Input	One 7.4 mm barrel connector (female) One 4.5 mm barrel connector (female)
Output	One Dell proprietary connector (female) Two USB ports (battery charging 1.2 compliant)

## Environmental

Temperature	Operating: 0°C to 40°C (32°F to 104°F) Storage: -20°C to 60°C (-4°F to 140°F)
Humidity	90% maximum relative humidity; non-condensing

# Statutory Information

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## Warranty

### ***Limited Warranty and Return Policies***

Dell-branded products carry a 1-year limited hardware warranty.

#### ***For U.S. customers:***

This purchase and your use of this product are subject to Dell's end user agreement, which you can find at <http://www.dell.com/terms>. This document contains a binding arbitration clause.

#### ***For European, Middle Eastern and African customers:***

Dell-branded products that are sold and used are subject to applicable national consumer legal rights, the terms of any retailer sale agreement that you have entered into (which will apply between you and the retailer) and Dell's end user contract terms.

Dell may also provide an additional hardware warranty – full details of the Dell end user contract and warranty terms can be found by going to <http://www.dell.com>, selecting your country from the list at the bottom of the "home" page and then clicking the "terms and conditions" link for the end user terms or the "support" link for the warranty terms.

#### ***For non-U.S. customers:***

Dell-branded products that are sold and used are subject to applicable national consumer legal rights, the terms of any retailer sale agreement that you have entered into (which will apply between you and the retailer) and Dell's warranty terms. Dell may also provide an additional hardware warranty – full details of Dell's warranty terms can be found by going to <http://www.dell.com>, selecting your country from the list at the bottom of the "home" page and then clicking the "terms and conditions" link or the "support" link for the warranty terms.



# Regulatory

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Dell Power Companion Model: PW7015M/PW7015L

Regulatory Model: PW7015M/PW7015L

## Regulatory Information

Warning: Changes or modifications on this unit are not expressly approved by the party responsible for compliance which could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and 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.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

## Agency approval

USA & Canada (CUL), USA (FCC), USA California (BC), Germany (GS Mark), EU/EFTA (CE), Japan (PSE&VCCI), World Wide (CB), Thailand (TISI), Russia (EAC), Australia (RCM), South Africa, Korea (KC), Saudi (SASO), Kenya (PVOC), Ukraine, Serbia, Uzbekistan, Taiwan (BSMI).