POWERSPOT®

TX91503 RF Wireless Transmitter

wireless power transmitter

USER GUIDE

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Overview

Wirelessly powers PowerSpot enabled devices

Wide power coverage area

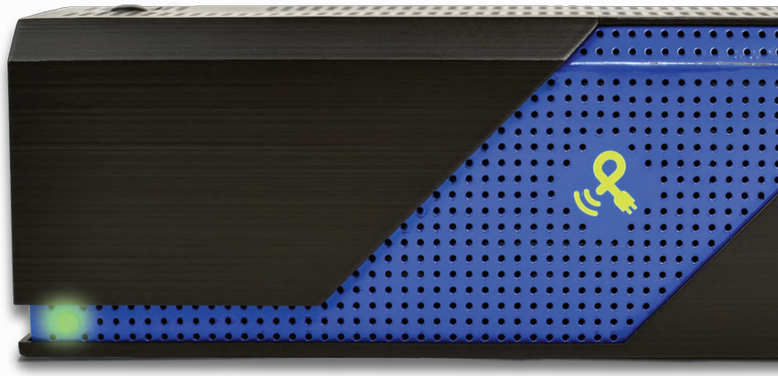
LED Status Indicator

RF energy

915 MHz

Product Description

The PowerSpot TX91503 RF Wireless Power Transmitter is the first completely wireless power transmitter specifically designed to power or recharge all of your favorite small personal electronics that are fitted with a Powercast Powerharvester receiver. Operating in the 915 MHz US & CA ISM band, the PowerSpot is the first device of its kind that eliminates all cables and charging pads and delivers real, long-range wireless power to any PowerSpot-enabled device.



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Overview

Package Contents

(1) PowerSpot TX91503 RF Wireless Power Transmitter
(1) 6ft. power supply cable
(1) USB wall adapter
(1) Quickstart guide

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Wireless Charging Grip

Recharge using your PowerSpot transmitter!

Simply click your Joy Cons into the Wireless Charging Grip and set it down in front of your PowerSpot transmitter for completely wireless battery recharging.

learn more at
powercastco.com/grips

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Setup and Operation

1. Place the PowerSpot transmitter at the back of a desk or counter top to create a PowerSpot recharging zone
2. Plug the DC connector of the power supply cable into the side of the PowerSpot transmitter. Plug the USB into the included wall adapter and then into a wall outlet
3. The PowerSpot transmitter will remain off until one of the following occurs:

a. A PowerSpot enabled device (such as a Wireless Charging Grip) enters the PowerSpot recharging zone

b. The button on the top of the transmitter is pressed to recharge a device with a completely dead battery. Pressing the button on the top of the device will activate the transmitter for a period of 30 minutes.

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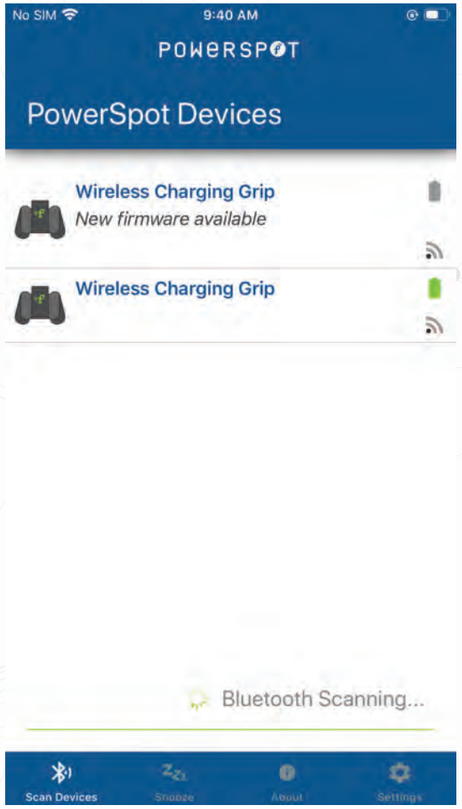
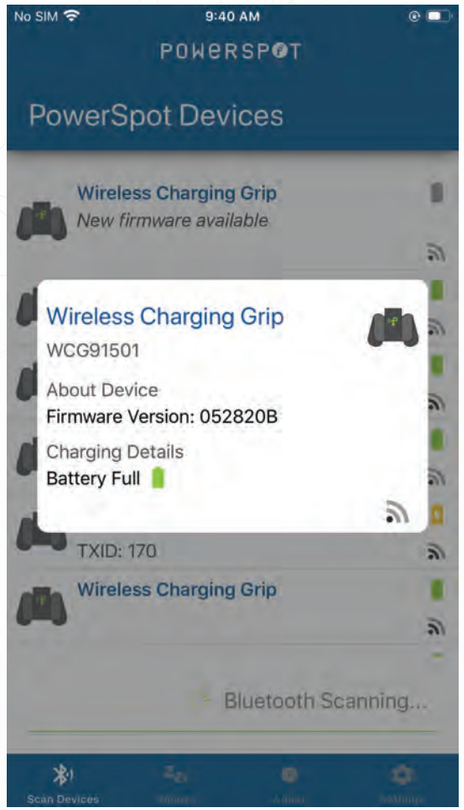
The PowerSpot App

The PowerSpot app is available for both iOS and Android. It is perfect for keeping track of all of your PowerSpot-enabled devices.





Use your PowerSpot app to

- view your PowerSpot-enabled devices
- monitor charging status of your devices
- update firmware
- snooze your PowerSpot transmitter

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LED Status Indicator

NOTE: Metal surfaces can affect the performance of the PowerSpot transmitter. For best performance, be sure to place your transmitter on a non-conductive surface with no obstructions in front of it.

LED	Status	Description
OFF	OFF	Device is unplugged
SOLID GREEN	TRANSMITTING	Device is transmitting normally
SOLID RED	IDLE	Device is powered but not actively transmitting
RED + SHORT GREEN BLINKS	ACTIVE/IDLE	A PowerSpot enabled device is requesting charge but is not within range of the transmitter
RAPID RED/GREEN ALTERNATING	STARTUP OR FAULT	Transmitter has just been powered on, or is in a fault mode such as overheating
RED + LONG GREEN BLINKS	IDLE via Snooze feature	Transmitter is powered but not actively transmitting due to snooze set by PowerSpot app

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Specifications

Item	Description
Modulation	Power : Spread Spectrum Data : Amplitude Shift Keying (ASK)
Frequency	915 MHz Center Frequency
Power Output	3W EIRP
Beam Pattern	70° width, 130° height Horizontal Polarization (tabletop mounting)
Approvals	United States - FCC ID: YESTX91503 Canada - IC ID: 8985A-TX91503
Data Communications	An 8-bit, factory-set, TX91053 identification (TXID) number is broadcast with the wireless power signal. This ID number can be found on the label on the back of the transmitter.
Operating Temperature	-20° C to 40° C
Environment	Indoor use only
Mounting	Place transmitter at the back of a desk or other tabletop to create a PowerSpot recharging area. Alternatively, two keyholes are located on the back of the case for wall mounting.
Power	5VDC/1A via included power supply
Color	Black / Blue
Firmware Update Comms	Bluetooth Low Energy (BLE)
Dimensions	7.3" x 2.1" x 1.4" 185.4 x 53.3 x 35.6 mm

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Compliance Statements

Changes or modifications not expressly approved by Powercast could void the user's authority to operate the equipment. Use and maintain device only as specified in this manual.

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.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

WARNING!

FCC Radiation Exposure Statement:

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) & user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC Radiation Exposure Statement:

This equipment complies with IC's RF radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 30cm is maintained between the radiator (antenna) & user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Powercast products are sold under limited warranty. Learn more:
www. powercastco.com/terms-conditions

Powercast products and technology are covered by one or more patents and other patents pending. View the comprehensive patent list here:
www.powercastco.com/IP

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Support

Technical support for Powercast products can be initiated through the following methods:

Website contact form:	www.powercastco.com/contact
Telephone:	+1 412-455-5800

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