

BLACKBERRY RADAR H2

ITC100 – 1

ITC100 – 2

October 2018

 **BlackBerry** radar

Safety Information





Safety information



Before you start using the BlackBerry Radar H2™ device (herein after referred to as device), review the safety and regulatory information provided in this document. Keep this document in a safe place so that you can refer to it whenever you need it.

In some countries there may be restrictions on using wireless devices with encryption software. Check with your local authorities for the restrictions in your area.

To find the latest safety and product information, visit blackberry.com/safety.

Important safety precautions

	<p>Do not use the device near medical devices, including pacemakers and hearing aids, because they might malfunction and cause serious harm or death to you or others.</p>
	<p>Do not dispose of the device, or battery, in a fire because this might cause an explosion resulting in serious injury, death, or property loss.</p>
	<p>The device is designed to be operated in temperatures between -40 and 185°F (-40 and 85°C) and 0-100% humidity. Store device in temperatures between 14 and 86°F (-10 and 30°C) and 0-50% humidity. Do not expose the device to temperatures above 212°F (100°C).</p> <p>Use of the device outside of the recommended temperature range could cause damage to the device or lithium-metal battery.</p>
	<p>Do not submerge the device in water. The battery should never be exposed to water.</p>

	<p>Do not puncture, crush, or expose battery to severe physical shock. Do not attempt to disassemble battery pack. Do not short-circuit the battery or allow metallic or conductive objects to contact the battery terminals.</p>
	<p>The device is not intrinsically safe and should not be used in the presence of explosive fumes, explosive dust, or other explosive chemicals. Sparks in such areas could cause an explosion or fire resulting in serious injury, death, or damage to property.</p>

Operating temperature and humidity

The BlackBerry Radar H2 device is designed for the following temperature and humidity ranges:

Operation:	Storage:
Temperature: -40 to 185°F (-40 to 85°C)	Temperature: 14 to 86°F (-10 to 30°C)
Humidity: 0-100%	Humidity: 0-50%

Battery safety

The device contains a non-rechargeable, Lithium Metal battery. Do not attempt to recharge the battery.

The battery might present a fire, explosion, chemical burn, or other hazard if mistreated. Do not put the battery in contact with liquids. Do not heat the battery above 212°F (100°C). Heating the battery above 212°F (100°C) could cause the battery to catch fire or explode.

Antenna



Use only the supplied integrated antenna. Unauthorized antenna modifications or attachments could damage the device and might violate U.S. Federal Communications Commission (FCC) or other regulations.

Repair

Do not attempt to modify, disassemble, or service the device. Do not attempt to recharge the battery. Only qualified service personnel should perform repairs to the device.

Failure to observe all safety instructions contained in the user documentation for the device will void the Limited Warranty and might lead to suspension or denial of services to the offender, legal action, or both.

Device and battery disposal

	<p>Do not dispose of the device, or battery, in household waste bins or in a fire.</p>
	<p>The device and battery is recyclable where facilities exist. This symbol is not intended to indicate the use of recycled materials.</p> <p>For information about recycling and safe disposal of your device and battery, from a browser on your computer, visit <i>blackberry.com/recycling</i>.</p> <p>Check with your local government for regulations regarding the proper disposal of electronic products. Dispose of your device and battery in accordance with the laws and regulations in your area governing disposal of such cell types.</p> <p>In Canada, you can recycle your device and battery through the Call2Recycle program. Visit <i>www.call2recycle.ca</i>.</p>

Use only the supplied integrated antenna. Unauthorized antenna modifications or attachments could damage the device and might violate U.S. Federal Communications Commission (FCC) or other regulations.

Compliance information

Exposure to radio frequency signals

The device radio is a low-power radio transmitter and receiver. It is designed to comply with Federal Communications Commission (FCC) and Innovation, Science and Economic Development Canada (ISED), and The Council of the European Union guidelines and limits, as well as other relevant international guidelines regarding safety levels of radio frequency exposure for wireless devices. These guidelines were developed by independent scientific experts, governments, and organizations including the Institute of Electrical and Electronics Engineers Standard (IEEE), National Council on Radiation Protection and Measurements (NCRP), and International Commission on Non-Ionizing Radiation Protection (ICNIRP).

This device complies with FCC, ISED, EU, and other relevant international radio frequency exposure guidelines and limits, at minimum separation distance of 7.9 inches or (20 cm).

FCC compliance statement (United States)

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules under FCC ID: L6AITC100-1. 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.

CAUTION:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this 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. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause interference harmful to radio communications.

NOTE:

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.

Innovation, Science and Economic Development Canada certification

This device complies with Innovation, Science and Economic Development Canada (ISED) license-exempt RSS standard(s). Operation is subject to the following 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.

This device complies with ISED RSS 130, RSS 132, RSS 133, RSS 139, RSS 210, RSS 310 and RSS-GEN under Certification Number 2503A-ITC1001.

Le présent appareil est conforme aux Innovation, Sciences et Développement économique Canada (ISED) 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'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le smartphone est conforme aux normes ISED RSS 130, RSS 132, RSS 133, RSS 139, RSS 210, RSS 310 et RSS-GEN sous le numéro d'agrément 2503A-ITC1001.

Class B compliance

This device complies with the Class B limits for radio noise emissions as set out in the interference-causing equipment standard entitled "Information Technology Equipment (ITE)--Limits and methods of measurement," ICES-003 of Innovation, Science and Economic Development Canada.

EU regulatory conformance

BlackBerry hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: [**www.blackberry.com/go/declarationofconformity**](http://www.blackberry.com/go/declarationofconformity).

Additional regulatory conformance

Specific details about compliance to the standards and regulatory bodies for the device may be obtained from BlackBerry.

Product information: BlackBerry Radar H2 ITC100-1 and ITC100-2

Mechanical properties:

Weight:

Approximately 21 oz (590 g) including BAT-63318-001 lithium-metal battery

Approximately 28 oz (800 g) including BAT-63320-001 lithium-metal battery

Size: (L x W x H): 11.5 x 3.6 x 1.7 in. (292 x 92 x 42 mm)

Battery specifications:

Non-rechargeable lithium-metal battery

BAT-63318-001: 7.2V, 19Ah nominal. BAT-63320-001: 7.2V, 38Ah nominal

Radio specifications:

GSM 850: 824~849 MHz

GSM 900: 880~915 MHz

GSM 1800: 1710~1785 MHz

GSM 1900: 1850~1910 MHz

WCDMA B1: 1920~1980 MHz

WCDMA B2: 1850~1910 MHz

WCDMA B5: 824~849 MHz

WCDMA B8: 880~915 MHz

LTE B2: 1850~1910 MHz

LTE B4: 1710~1755 MHz

LTE B5: 824~849 MHz

LTE B12: 698~716 MHz

868MHz: 868~868.6 MHz

915MHz: 902~928 MHz

MAX Radio Conducted Power Information (EIRP)

GSM 850: 29.88 dBm

GSM 900: 29.18 dBm

GSM 1800: 26.73 dBm

GSM 1900: 26.61 dBm

WCDMA B1: 20.27 dBm

WCDMA B2: 20.45 dBm

WCDMA B5: 20.97 dBm

WCDMA B8: 20.31 dBm

LTE B2: 19.71 dBm

LTE B4: 18.67 dBm

LTE B5: 19.33 dBm

LTE B12: 16.41 dBm

868MHz: 13.33 dBm
915MHz: 12.93 dBm

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