

BLACKBERRY RADAR
CARGO ACCESSORY
ITD100 – 1

DRAFT v4

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 **BlackBerry**radar

Safety Information

Safety information







Before you start using the BlackBerry Radar Cargo Accessory™ 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:

docs.radar.blackberry.com/guides/user_guide_safety

Important safety precautions

	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.
	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.
	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). Use of the device outside of the recommended temperature range could cause damage to the device or lithium-metal battery.
	Do not submerge the device in water. The battery should never be exposed to water.
	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.
	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.

Operating temperature and humidity

The BlackBerry Radar Cargo Accessory 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

	Do not dispose of the device, or battery, in household waste bins or in a fire.
	<p>The device and battery are 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 blackberry.com/support.</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>

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).

Federal Communications 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.

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.

Le présent appareil est conforme aux Innovation, Sciences et Développement économique Canada (ISDE) 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.

ICES-003 (Class B compliance)

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

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 ISDE 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.

EU regulatory conformance

Hereby, BlackBerry declares that the radio equipment, BlackBerry Radar Cargo Accessory ITD100-1, is in compliance with 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.

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 Cargo Accessory ITD100-1

Mechanical properties:

Weight: approximately 12.7 oz (360 g) including lithium-metal battery

Size: (L x W x H): 6.7 x 3.7 x 1.7 in. (169 x 93 x 42 mm)

Power specifications:

Non-rechargeable lithium-metal battery

3.6V, 19Ah nominal

Mobile network radio specifications:

No cellular modem.

SubGHz: 868MHz and 915MHz 2GFSK

Radio specifications:

868MHz: 868~868.6 MHz

915MHz: 902~928MHz

MAX radio conducted power information (EIRP):

868MHz: 13.33 dBm

915MHz: 12.93 dBm

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