

SAFETY, REGULATORY, AND WARRANTY GUIDE

CRADLEPOINT IBR1700-600M

MODEL: S5A741A

This important Safety, Regulatory, and Warranty Guide contains safety, handling, disposal, regulatory, trademark, copyright, and software licensing information.

Read all safety information below and operating instructions before using the device to avoid injury.

THIS DEVICE REQUIRES PROFESSIONAL INSTALLATION

FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

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.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Increase the separation between the equipment and receiver.
- 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 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.

FCC STATEMENT

For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible.

Operation of the 5 GHz WiFi radios is restricted to indoor use only.

FCC 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 of 40 cm between the radiator and your body.

This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

To comply with FCC regulations limiting both maximum RF output power and human exposure to RF radiation, the maximum cellular antenna gain must not exceed 3.3 dBi, except when operation in Band 30 is not disabled. (See "FCC LTE BAND 30 NOTICE FOR INSTALLERS IN USA" section in the online user manual at www.cradlepoint.com)

To comply with FCC regulations limiting both maximum RF output power and human exposure to RF radiation, the maximum WiFi antenna gain must not exceed 5 dBi.

INDUSTRY CANADA STATEMENT

This device complies with ICSED's license-exempt RSS standards. 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.

For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible.

The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

INDUSTRY CANADA RADIATION EXPOSURE STATEMENT

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 42 cm between the radiator and your body.

This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

This radio transmitter (IC: 6921A-S7A741A, 5131A-LM940) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

This device has been designed to operate with cellular antennas having a maximum gain of 3 dBi. Antennas having a higher gain are strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

These devices have been designed to operate with WiFi antennas having a maximum gain of 5 dBi. Antennas having a higher gain are strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

DÉCLARATION D'INDUSTRIE CANADA

Le présent appareil est conforme aux CNR d'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.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

NOTE IMPORTANTE (POUR L'UTILISATION DE DISPOSITIFS MOBILES): DÉCLARATION D'EXPOSITION AUX RADIATIONS

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 42 cm de distance entre la source de rayonnement et votre corps.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.

Le présent émetteur radio (IC: 6921A-S7A741A, 5131A-LM940) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Ce dispositif a été conçu pour fonctionner avec une antenne cellulaire ayant un gain maximal de 3 dBi. Une antenne à gain plus élevée est strictement interdite par les règlements d'Industrie Canada. L'impédance d'antenne requise est de 50 ohms.

Ce dispositif a été conçu pour fonctionner avec une antenne WiFi ayant un gain maximal de 5 dBi. Une antenne à gain plus élevée est strictement interdite par les règlements d'Industrie Canada. L'impédance d'antenne requise est de 50 ohms.

INFORMATION FOR EUROPE, DECLARATION OF COMPLIANCE

Cradlepoint, Inc. 1111 W Jefferson St. Boise, ID 83702 USA

EU Authorized Representative: Hubert Da Costa, Vice President of EMEA Channels, Cradlepoint UK Ltd. Cedar House, Apex Court, Camphill Road, West Byfleet, Surrey, KT14 6SQ United Kingdom



Hereby, Cradlepoint Inc. declares that this equipment is in compliance with the Radio Equipment Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: Cradlepoint.com/product-certifications

RESTRICTIONS ON USE IN THE EU

BE BG CZ DK DE EE IE
EL ES FR HR IT CY LV
LT LU HU MT NL AT PL
PT RO SI SK FI SE UK

5 GHz 802.11 a/n/ac WiFi radios are restricted to indoor use only. The 5GHz WiFi radio in this device must be powered OFF if the device is installed outdoors, or if the device is installed in a vehicle.

RF Exposure Statement: To comply with RF Exposure requirements, this equipment should be installed and operated with minimum distance of 45 cm between the radiating device and your body.

ACCESSORIES IMPACTING COMPLIANCE

To maintain compliance with EMC, Radio, and RF Exposure requirements, use only Cradlepoint accessories intended for use with this product. All Cradlepoint accessories intended for use with this product will maintain EMC, Radio, and RF Exposure compliance when installed according to instructions. Cellular antennas must have a gain <3 dBi. 802.11 antennas must have a gain <5 dBi.

RECYCLING AND ENVIRONMENTAL INFORMATION

To find information on Cradlepoint's commitment to our environment and how to responsibly recycle or recover Cradlepoint products at the end of their useful life, please visit Cradlepoint.com/international.

FREQUENCIES USED AND MAXIMUM POWER OUTPUT IN THE EU

The Cradlepoint IBR1700 series

IBR1700-600M

2400-2483.5 MHz:	94 mW
5150-5250 MHz:	191 mW
LTE Band 1 (1920-1980 MHz)	343 mW
LTE Band 3 (1710-1910 MHz)	364 mW
LTE Band 7 (2500-2570 MHz)	312 mW
LTE Band 8 (880-915 MHz)	288 mW
LTE Band 20 (832-862 MHz)	294 mW
LTE Band 28 (832-862 MHz)	286 mW
LTE Band 38 (832-862 MHz)	335 mW
LTE Band 40 (832-862 MHz)	345 mW
UMTS Band 1 (1920-1980 MHz)	343 mW
UMTS Band 8 (880-915 MHz)	294 mW

SAFETY AND HAZARDS

This equipment is designed to operate in ambient temperatures up to 60 °C (140 °F). When operating in elevated ambient temperatures, the surface of the equipment may exceed 60 °C and become too hot to safely touch. Under this condition, this product must be installed in a secured location that is not accessible to accidental touch, and access to the device must be restricted to service persons or users who possess the proper tool or key to access the device and have been informed about the potential high surface temperatures and instructed on how to safely handle and/or service the device.

Under no circumstances should the device be used in any areas

- (a) where blasting is in progress,
 - (b) where explosive atmospheres may be present, or
 - (c) that are near (i) medical or life support equipment, or (ii) any equipment which may be susceptible to any form of radio interference.
- In such areas, the device **MUST BE POWERED OFF AT ALL TIMES** (since the device otherwise could transmit signals that might interfere with such equipment).

In addition, under no circumstances should the device be used in any aircraft, regardless of whether the aircraft is on the ground or in flight. In any aircraft, the device **MUST BE POWERED OFF AT ALL TIMES** since the device otherwise could transmit signals that might interfere with various onboard systems on such aircraft. Furthermore, under no circumstances should the device be used by the driver or operator of any vehicle. Such use of the device will detract from the driver's or operator's control of that vehicle. In some jurisdictions, use of the device while driving or operating a vehicle constitutes a civil and/or criminal offense.

Due to the nature of wireless communications, transmission and reception of data by the device can never be guaranteed, and it is possible that data communicated or transmitted wirelessly may be delayed, corrupted (i.e., contain errors), or totally lost. The device is not intended for, and Cradlepoint recommends the device not be used in any critical applications where failure to transmit or receive data could result in property damage or loss or personal injury of any kind (including death) to the user or to any other party. Cradlepoint expressly disclaims liability for damages of any kind resulting from:

- (a) delays, errors, or losses of any data transmitted or received using the device; or
- (b) any failure of the device to transmit or receive such data.

For proper and safe vehicle installations, the GPIO accessory cable must be connected to a fused circuit in the vehicle. This fused circuit requires a 3A fuse. If the supply connection is made directly to the battery, the fuse should be installed in the positive lead. For North America, a UL Listed fuse is to be used.

Warning: This product is only to be installed by qualified personnel.

Purchaser agrees to indemnify Cradlepoint against any liability or damages caused to third parties as a result of Purchaser's misuse or misapplication of the Cradlepoint product.

OPEN SOURCE SOFTWARE

This product contains software distributed under one or more of the following open source licenses: GNU General Public License Version 2, BSD License, Net-SNMP License, and PSF License Agreement for Python 3.3. For more information on this software, including licensing terms and your rights to access source code, contact Cradlepoint at Cradlepoint.com/opensource.

WARRANTY INFORMATION

Cradlepoint, Inc. warrants this product against defects in materials and workmanship to the original purchaser for a period of three (3) years from the date of shipment. This warranty is limited to a repair or replacement of the product, at Cradlepoint's discretion, as purchaser's sole and exclusive remedy. Cradlepoint does not warrant that the operation of the device will meet your requirements or be error free. **CRADLEPOINT MAKES NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THIS PRODUCT. CRADLEPOINT SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE OR NON-INFRINGEMENT.**

LIMITATION OF CRADLEPOINT LIABILITY

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PRIVACY

Cradlepoint may collect general data pertaining to the use of Cradlepoint products via your Internet connection (wired and/or wireless) such as device ID/serial number, network status, IP address, MAC address, operating system, browser type and version number, etc., in order to provide you with better services, enhance user experience, and improve performance.

OTHER BINDING DOCUMENTS; TRADEMARKS; COPYRIGHT

By activating or using your IBR1700 device, you agree to be bound by Cradlepoint's Terms of Use, User License and other applicable Legal Policies. © 2016 Cradlepoint, Inc. All rights reserved. Cradlepoint is not responsible for omissions or errors in typography or photography. Cradlepoint, IBR1700, and the Cradlepoint logo are trademarks of Cradlepoint, Inc. in the US and other countries. Other trademarks are property of their respective owners.

ROUTER COMMUNICATION/DATA USAGE

The factory default configuration of the router is set to communicate with Cradlepoint and other resources at regular intervals to access the latest firmware and modem updates, clock synchronization (NTP), and Enterprise Cloud Manager (ECM) membership. Such communication may result in data usage and applicable charges regardless of whether the router uses a wired or wireless Internet connection. To avoid such data usage and potential charges, consult the following Knowledge Base article:
<http://knowledgebase.cradlepoint.com/articles/support/router-communication-data-usage>