

SAFETY, REGULATORY, AND WARRANTY GUIDE

CRADLEPOINT E300-C18B	MODEL: S5A946A
CRADLEPOINT E300-C4D	MODEL: S5A947A
CRADLEPOINT E350-C4D	MODEL: S5A952A
WITH OPTIONAL PLUG-IN MODULES:	
CRADLEPOINT MC400LP4	MODEL: MC400LP4
CRADLEPOINT MC400LP5	MODEL: MC400LP5
CRADLEPOINT MC400LP6	MODEL: MC400LP6
CRADLEPOINT MC400-600M-C	MODEL: MC400-600M-C
CRADLEPOINT MC400-1200M-B	MODEL: MC400-1200M

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.

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 on the 5150-5250 MHz and 5250-5350 MHz 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 20 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 and human exposure to RF radiation, the maximum cellular antenna gain must not exceed 1dBi (619-970MHz) and 2 dBi for channel operating higher than 1G.

INDUSTRY CANADA STATEMENT

This device complies with Industry Canada 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 5150-5350 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 25 cm between the radiator and your body.

These radio transmitters (IC:6921A-S5A946A, 5131A-LM960, 5131A-LM940, 2417C-MC7455, 2417C-HL7588, 10224A-2018EC25AF) have 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.

These devices have been designed to operate with cellular antennas having a maximum gain of 1dBi in 619-970MHz band and maximum gain of 2 dBi for all other operation in higher than 1G bands. Antennas having a higher gain are strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;

for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and

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.

DÉCLARATION D'INDUSTRIE CANADA

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'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 5150-5350 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 25 cm de distance entre la source de rayonnement et votre corps.

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

Le présent émetteur radio (IC:6921A-S5A946A, 5131A-LM960, 5131A-LM940, 2417C-MC7455, 2417C-HL7588, 10224A-2018EC25AF) 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.

Ces appareils ont été conçus pour fonctionner avec des antennes cellulaires ayant un gain maximal de 1 dBi dans la bande 619-970 MHz et un gain maximal de 2 dBi pour toutes les autres opérations dans des bandes supérieures à 1G. Les antennes ayant un gain plus élevé sont strictement interdites par les réglementations d'Industrie Canada. L'impédance d'antenne requise est de 50 ohms.

pour les appareils avec antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les appareils dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. limite;

pour les appareils à antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les appareils dans la bande 5725-5850 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. limites appropriées; et

INFORMATION FOR EUROPE, DECLARATION OF COMPLIANCE

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

EU Authorized Representative: James Bristow, Senior Vice President, EMEA, 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, Energy Related Products Directive 2009/125/EC, and RoHS2 Directive 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: Cradlepoint.com/product-certifications

RESTRICTIONS ON USE



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 20 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 1.42dBi (619-970MHz), 0.88 dBi (1445-1515 MHz), 2.69dBi (17170-2700MHz), 4.13 dBi (3400-3700 MHz), 4.29 dBi (5150-5925MHz). 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

E300-C18A

2400-2483.5 MHz:	99 mW
5150-5250 MHz:	189 mW
5250-5350 MHz	196 mW
5500-5700 MHz	810 mW
LTE Band 1 (1920-1980 MHz)	319 mW
LTE Band 3 (1710-1910 MHz)	333 mW
LTE Band 7 (2500-2570 MHz)	336 mW
LTE Band 8 (880-915 MHz)	264 mW
LTE Band 20 (832-862 MHz)	253 mW
LTE Band 28 (703-748 MHz)	311 mW
LTE Band 38 (2580-2620 MHz)	342 mW
LTE Band 40 (2300-2400 MHz)	353 mW
LTE Band 42 (3400-3600 MHz)	666 mW
LTE Band 43 (3600-3800 MHz)	621 mW
UMTS Band 1 (1920-1980 MHz)	413 mW
UMTS Band 8 (880-915 MHz)	299 mW

MC400LP6

LTE Band 1 (1920-1980 MHz)	233 mW
LTE Band 3 (1710-1910 MHz)	240 mW
LTE Band 7 (2500-2570 MHz)	150 mW
LTE Band 8 (880-915 MHz)	233 mW
LTE Band 20 (832-862 MHz)	228 mW
UMTS Band 1 (1920-1980 MHz)	205 mW
UMTS Band 8 (880-915 MHz)	233 mW

MC400-1200M-B

LTE Band 1 (1920-1980 MHz)	319 mW
LTE Band 3 (1710-1910 MHz)	333 mW
LTE Band 7 (2500-2570 MHz)	336 mW
LTE Band 8 (880-915 MHz)	264 mW
LTE Band 20 (832-862 MHz)	253 mW
LTE Band 28 (703-748 MHz)	311 mW
LTE Band 38 (2580-2620 MHz)	342 mW
LTE Band 40 (2300-2400 MHz)	353 mW
LTE Band 42 (3400-3600 MHz)	666 mW
LTE Band 43 (3600-3800 MHz)	621 mW
UMTS Band 1 (1920-1980 MHz)	413 mW
UMTS Band 8 (880-915 MHz)	299 mW

SAFETY AND HAZARDS

Caution!! Read following instruction before use.

Only use with original Cradlepoint accessories. Cradlepoint external power adapters are specially designed to operate properly with this device and supply proper PoE output.

When this device is used with a Cradlepoint accessory power adapter rated 65W output, it can support 4 ports PoE up to 30W total power.

When this device is used with a Cradlepoint accessory power adapter rated 120W output, it can support 4 ports PoE up to 60W total power.

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 1.5A 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.

HARDWARE WARRANTY INFORMATION

Cradlepoint, Inc. warrants this hardware 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 hardware product, at Cradlepoint's discretion, as purchaser's sole and exclusive remedy. If this hardware product was procured as a component of a NetCloud Solution Package, additional warranty may be available. Please see Cradlepoint's website for details. Cradlepoint does not warrant that the operation of the product will meet your requirements or be error free. **CRADLEPOINT MAKES NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED. CRADLEPOINT SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE OR NON-INFRINGEMENT.**

LIMITATION OF CRADLEPOINT LIABILITY

The information contained in this Safety, Regulatory, and Warranty Guide is subject to change without notice and does not represent any commitment on the part of Cradlepoint or its affiliates. **CRADLEPOINT AND ITS AFFILIATES HEREBY SPECIFICALLY DISCLAIM LIABILITY FOR ANY AND ALL: (A) DIRECT, INDIRECT, SPECIAL, GENERAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES, INCLUDING WITHOUT LIMITATION FOR LOSS OF PROFITS OR REVENUE OR OF ANTICIPATED PROFITS OR REVENUE ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF CRADLEPOINT AND/OR ITS AFFILIATES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND EVEN IF SUCH DAMAGES ARE FORESEEABLE; OR (B) CLAIMS BY ANY THIRD PARTY. NOTWITHSTANDING THE FOREGOING, IN NO EVENT SHALL THE AGGREGATE LIABILITY OF CRADLEPOINT AND/OR ITS AFFILIATES ARISING UNDER OR IN CONNECTION WITH THE PRODUCT, REGARDLESS OF THE NUMBER OF EVENTS, OCCURRENCES, OR CLAIMS GIVING RISE TO LIABILITY, EXCEED THE PRICE PAID BY THE ORIGINAL PURCHASER OF THE PRODUCT. THE LIMITATIONS OF LIABILITY SET FORTH HEREIN SHALL REMAIN IN FULL FORCE AND EFFECT REGARDLESS OF WHETHER THE REMEDIES HEREUNDER ARE DETERMINED TO HAVE FAILED OF THEIR ESSENTIAL PURPOSE.**

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 AER2200 or AER2250 device, you agree to be bound by Cradlepoint's Terms of Use, User License and other applicable Legal Policies.

© 2015 Cradlepoint, Inc. All rights reserved. Cradlepoint is not responsible for omissions or errors in typography or photography. Cradlepoint, AER2200, AER2250, MC400, 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 NetCloud 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>