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## ***RoamAbout R2 Wireless Access Platform 802.11a/b/g Radio Card Quick Installation Guide***

This document provides the RoamAbout R2 Wireless Access Platform 802.11a/b/g radio card installation information, Radio Certification and Regulatory information.



**Caution:** Changes or modifications made to this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **Wireless LAN and Your Health**

Wireless LAN products are radio devices that emit radio frequency electromagnetic energy. The level of energy emitted by a Wireless LAN device is much less than the electromagnetic energy emitted by devices like mobile phones.

Because Wireless LAN products operate within the guidelines found in radio frequency safety standards and recommendations, Enterasys believes this product is safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

### **Important Safety Instructions**

When using this product, always follow the basic safety precautions to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Always install the products as described in the documentation that is included with your product.
2. Do not use the product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
3. Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
4. Do not use this product to report a gas leak in the vicinity of the leak.

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## Regulatory Information

You must install and use this device in strict accordance with the manufacturer's instruction as described in the user documentation that is included with your product.

Before you follow the instructions or use of this product, carefully read the contents of this document for device-specific constraints or rules that may apply in the country where you want to use this product. The user must always ensure that country and/or channel selection of Peer-to-Peer groups or Base Station Networks match the regulations of the country of operation.

In some situations or environments, the use of wireless devices may be restricted by the proprietor of the building or responsible representatives of the organization. These situations may for example include:

- Using the wireless equipment on board of airplanes, or
- In any other environment where the risk of interference to other device or service is perceived or identified as harmful.

If you are uncertain of the policy that applies to the use of wireless equipment in a specific organization or environment (e.g.airplane), you are encouraged to ask for authorization to use this device prior to turning on the equipment.

The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of the device, or the substitution or attachment of connecting cables and equipment other than specified by the manufacturer. The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

The manufacturer and its authorized resellers or distributors are not liable for any damaged or violation of government regulations that may arise from failing to comply with these guidelines.

### Canada - Industry Canada (IC)

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

cet appareil de la class B respecte toutes les exigences du Reglement sur le matereil brouiller du Canada.

### USA - Federal Communications Commission (FCC)

This device complies with Part 15 of FCC Rules. Operation of the device is subject to the following two conditions (1) This device may not cause harmful interference, and (2) this device must accept any interference that may caused undesired operation.

## Exposure to Radio Frequency Radiation



**Caution:** To comply with the FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied:

For integral and external antenna configurations:

The operation distance between the antenna and any other person's body (including hands, wrists, feet and ankles) must be at least 20cm (8 inches).

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## Federal Communications Commission Notice

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 generated, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a residential 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 encourage to try and correct the interference by one or more of following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to 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.
- If you have a problem with your wireless equipment, such as interference from your equipment to a Mobile Object Identification System (RF-ID), contact your authorized reseller or manufacture.

## Radio Approval

Use the following table to determine whether you are allowed to use your wireless device in the countries listed below. You can find the radio transmitter number of your device on the identification label of your wireless device.

Country	Enterasys Part Number	Approval Number
USA	RBTBH-R2W	FCC ID: QXO-RBTBHR2W
Canada	RBTBH-R2W	IC: 4138-RBTBHR2W

For the latest version of this document, check the web site at:  
[www.enterasys.com/products/wireless](http://www.enterasys.com/products/wireless)

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## Channel Information

### 802.11a

US/Canada: 12 non-overlapping channels (5.15 ~ 5.35 GHz, 5.725 ~ 5.825 GHz)

Channel Frequencies and Channel Numbers for Operating in the US are listed in the following table.

Frequency Band	Channel Number	Center Frequencies
U-NII lower band 5.15 - 5.25 GHz*	36	5.180 GHz
	40	5.200 GHz
	44	5.220 GHz
	48	5.240 GHz
U-NII middle band 5.25 - 5.35 GHz	52	5.260 GHz
	56	5.280 GHz
	60	5.300 GHz
	64	5.320 GHz
U-NII upper band 5.725 - 5.825 GHz	149	5.745 GHz
	153	5.765 GHz
	157	5.785 GHz
	161	5.805 GHz

\* 5.15 - 5.25 GHz is for indoor use only

### 802.11b/g

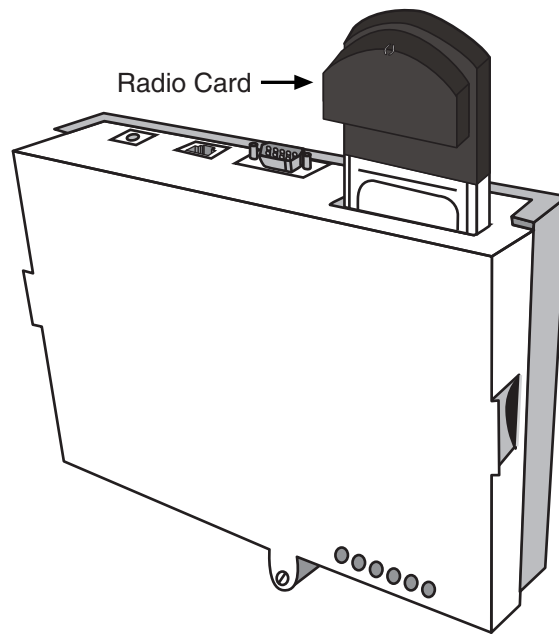
US/Canada: 11 (1 ~ 11)

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## Radio Card Installation

Refer to the *RoamAbout R2 Wireless Platform Hardware Installation Guide* to install the RoamAbout R2.

1. Refer to the Regulatory and FCC requirements located in this document before you install the card into the RoamAbout R2.
2. Ensure that the power to the RoamAbout R2 is off.
3. To install the Radio Card, perform the following steps:
  - a. Position the card as shown below.
  - b. Carefully insert the card.
  - c. Press down firmly to seat the card. The following figure shows the radio card inserted into the RoamAbout R2.



4. Refer to the *RoamAbout R2 Wireless Platform Hardware Installation Guide* for cabling and startup information.

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