

CUSTOMER RELEASE NOTES

**RoamAbout™ 802.11b PC Card Windows Drivers
V7.86.XX
February 2004**

INTRODUCTION:

This release includes the Windows drivers V7.86 and the Client Utility Version 3.30, which support the RoamAbout 802.11b PC Card in an 802.11 wireless LAN.

It is recommended that this release note be thoroughly reviewed prior to the installation or upgrade of this product.

SOFTWARE SPECIFICATION:

Status	Version No.	Type	Release Date
Current Version	7.86.XX	Customer/Software	2/6/04
Previous Version	7.44.XX	Customer/Software	4/08/02
Previous Version	6.25.XX	Customer/Software	11/30/00
Previous Version	4.00.XX	Customer/Software	8/06/99
Previous Version	1.1	Customer/Software	6/16/99
Previous Version	1.0	Customer/Software	12/11/98

HARDWARE COMPATIBILITY:

IEEE 802.11 RoamAbout PC Card, CSICD-AW-128, CSIBD-*, CSILD-*

SUPPORTED FUNCTIONALITY:

RoamAbout Drivers:

- ❖ Microsoft Windows 98
- ❖ Windows 98 SE
- ❖ Windows Me
- ❖ Microsoft Windows NT, with Service Pack 4 or later
- ❖ Microsoft Windows 2000
- ❖ Microsoft Windows XP
- ❖ Microsoft Windows 95

NOTE: V7.86 drivers provide WPA support. Since the Windows 95 operating system does not support WPA, RoamAbout Driver V7.84 has been included in this release for Windows 95. Refer to the Readme file in the Win95 directory for information about the features offered by the V7.84 driver.

RoamAbout Client Utility Version 3.30: For all of the above operating systems.

Please read the Readme file in the selected operating system directory for setup and installation instructions.

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INSTALLATION AND CONFIGURATION NOTES:

The RoamAbout PC Card Drivers can be downloaded from the web. When downloading from the web, the downloaded executable creates a **RMABT** folder by default and stores the Client Utility and each driver in its own folder.

When installing the RoamAbout PC Card Drivers:

1. Review the Readme file included for each operating system for setup and installation instructions.
2. Follow the installation instructions on the screen.

Refer to the *RoamAbout 802.11 Wireless Networking Guide* to configure the Access Point and the wireless clients. You can download additional copies of this manual from the Enterasys RoamAbout Wireless web site:

<http://www.enterasys.com/wireless>

CHANGES AND ENHANCEMENTS:

This release of the RoamAbout Windows drivers includes the following new features:

- ❖ Support for Wi-Fi Protected Access (WPA)

WPA is a security option that restricts wireless access to your network and communications as an alternative to the IEEE 802.11 Wired Equivalent Privacy (WEP) standard. WEP encrypts data using static encryption keys that must be set to identical values on each Wireless Client and Access Point. WPA, also referred to as TKIP (Temporal Key Integrity Protocol) or SSN (Simple Secure Network) will provide dynamic encryption keys to Authorized Wireless Clients only.

To use WPA, you will need a wireless infrastructure that supports Wireless Client Authentication. For example:

Wireless Clients that:

- Use the RoamAbout 802.11b PC card with this release of drivers and client utility.
- Run an operating system that provides 802.1X support.

Computers with 802.1X supplicant:

- Computers running MS-Windows XP (Service Pack 1) support the 802.1X supplicant by default. QFE Q815485 is required and can be downloaded from the Microsoft website.
- Computers running MS-Windows 98, ME, or 2000 will need a dedicated 3rd party supplicant.

Wireless Access Points that:

- Support the WPA protocol.
- Are connected to a dedicated Authentication Server (for example a RADIUS server). The Authentication Server will validate whether a Wireless Client is authorized to access the network and give clearance to the Access Point to provide a dynamic encryption key plus access to the Wireless Client.

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❖ Introduction of driver variants

Variant 2 has been defined for two purposes:

1. To identify NDIS 5.1 drivers (NDIS 5.0 has variant 1).

Note that NDIS 5.0 and NDIS 5.1 are covered by NDIS 5.

2. To identify NT4 Softex drivers (NT4 has variant 1).

Variant 2 drivers have a 'B' appended to the filenames. Future variant 3 will have a 'C' appended. Variant 1 has no 'A' appended.

❖ For each OS, a multi-brand INF file is generated.

As the name suggests, a multi-brand INF file contains the card characteristics of various brands. Multi-brand must not be confused with Combined, which represents the card characteristics on various OSs for one brand.

❖ Various inconveniences with respect to Japanese help files and screen texts have been resolved.

❖ Stability issues have been resolved for the Control Panel Applet.

❖ Firmware 8.42 is used in the driver.

- Initial value for CurrentTXRate is 11 Mbps i.s.o. 2 Mbps.
- LED behavior has been modified:

Power LED off: radio disabled

Power led continuously on: radio enabled

Power LED flickers every 100 ms: radio enabled and power management ON

Activity LED off: radio disabled

Activity LED flickers once per 10s: radio enabled but no network found

Activity LED flickers every 100 ms: radio enabled and Rx/Tx activity

KNOWN RESTRICTIONS AND LIMITATIONS:

The following lists the known restrictions and limitations:

- ❖ Any existing Client Utility must be removed from the system before installing the new Client Utility.
- ❖ If upgrading a driver, you must also update the Client Utility.

Any problems other than those listed above should be reported to our Technical Support Staff.

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COMPLIANCE SUPPORT:

Compliance Level	Compliant
Year 2000	Yes

There is no "Real-Time Clock" in any of the RoamAbout products.

GLOBAL SUPPORT:

By Phone: (603) 332-9400

1-800-872-8440 (toll-free in U.S. and Canada)

For the Enterasys Networks Support toll-free number in your country:

<http://www.enterasys.com/support/gtac-all.html>

By Email: Support@enterasys.com

To expedite your message, please type [wireless] in the subject line.

By Web: <http://www.enterasys.com/support>

By Fax: (603) 337-3075

By Mail: Enterasys Networks, Inc.
35 Industrial Way
P.O. Box 5005
Rochester, NH 03866

For information regarding the latest firmware available, recent release note revisions, or if you require additional assistance please visit the Enterasys Networks Support web site.

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