



**Installation Manual
For
MOSAIC^(R) OREO 9 PCMCIA Module**

Integration Service Personnel: Before you install the module, you require the following items and information included in this manual.

The Module is installed into a mobile data terminal, vehicle-mounted device, or other mobile computing device with:

- 1.) A PCMCIA Type II slot
- 2.) Approved antenna: Internal antenna, P/N 650019-0001 or antenna end cap, P/N: CE5B-FLX10, with fitted with MMCX connectors.
- 3.) Terminal running Microsoft Windows CE Version 4.2 or 5.0

Getting Started:

To complete the setup of your OREO9, perform the following four steps:

1. Install the driver CAB file containing the driver.
2. Install the OREO9 into your host device's PCMCIA slot
3. Configure the mode of operation
4. Connect to your wireless device or network

Note: It is recommended that you complete the steps in order. If you insert the card in your device before you install the software, then the "Found New Hardware Wizard" screen will appear, and you must select "**Cancel**" to cancel the Hardware Wizard.

1. Install the software

a) Download the appropriate "**cab**" file for the type of terminal device you are building. The "cab" file is the software equivalent of a 'file cabinet' which contains the driver for the radio.

b) Copy the file to your device using a supported file transfer mechanism.

Common methods of moving the file include:

- Placing the file on a supported Compact Flash or SD memory card and use that card for copying the file to the device
- Use a program such as FTP or Microsoft ActiveSync

c) On the device, use the resident File Explorer program to locate the "cab" file

d) Run the "cab" file by double-clicking the file or by right-clicking and selecting "run"

e) If asked to replace any existing files on the device, answer "yes to all"

2. Install the OREO9 into the host device

a) Insert the OREO9 card into the Type II PCMCIA slot

b) Connect the device's antenna to the OREO9 via the MMCX connector. Secure the end cap if used.

3. Configure the mode of operation

a) Select Programs, then Settings, then the Serial Port tab at the bottom of the Settings screen

b) Select the port labeled OREO9, and select a baud rate of 57.6 KBAud

4. Connect to your wireless device or network

To use the OREO9 to connect to your wireless device, do the following:

a) From the Start menu, select Programs, then select the directory called Datamatic and run program.

b) When a pop-up screen prompts for a name, enter any alpha-numeric name to identify this configuration. Also enter the desired synchronization word and radio mode used by the network or device.

c) Tap the OK button to return to the Config tab

d.) Execute a wake and read command for Star Mode device, or a read device command for a Mesh Mode device.

Radio Information:

Datamatic declares that the OREO9 (FCC ID: ODYDOREO9) is limited in CH1~CH50 FHSS for 902.5 – 927 MHz ISM operation by specified firmware controlled in U.S.A.

This device is intended for host device integrators only under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

IMPORTANT NOTE: In the event that the two conditions above cannot be met (for example certain device configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for reevaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users, for example, mobile data terminals (MDTs) and vehicle-mounted devices (VMDs). The final end product must be labeled in a visible area with the following: **"Contains TX FCC ID: ODYDOREO9"**.

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
- 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 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.

IMPORTANT NOTE:

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 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC (Canada)

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.