

AIRWAYTM

TransPort User Guide

PRELIMINARY

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AirWay™ TransPort User Guide
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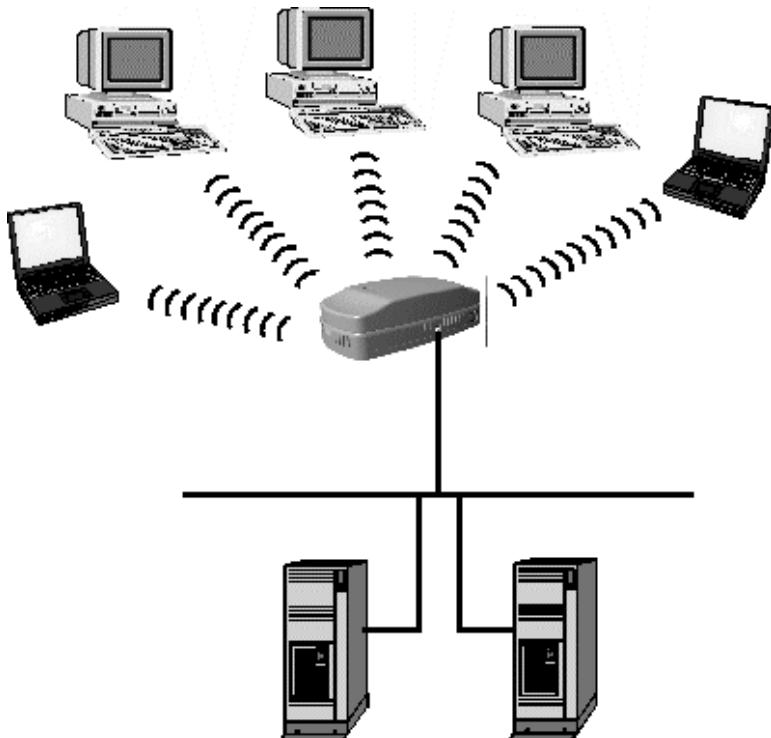
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Getting Started

About AirWay TransPort

AirWay TransPort is a high-speed 802.11 wireless networking product that allows you to:

- Build a fast, flexible, secure Wireless Local Area Network (WLAN) in your home or small business.
- Connect WLAN clients to an existing wired (Ethernet-based) LAN.
- Easily add new computers to the network or move existing computers around without the hassle and expense of running new cables between the computers and a network hub.



Before You Begin

Requirements

Each computer in your TransPort network must have the following:

- Microsoft Windows 95/98
- An AirWay PCMCIA or PCI card
- A CD-ROM drive

Checking Parts

Your AirWay TransPort package contains the following items:

- AirWay TransPort (1)
- Power Supply Adapter (1)
- 9' Ethernet RJ-45 Cable (1)
- Sheet of self-adhesive protective feet
- AirWay TransPort CD-ROM
 - Configuration Software
 - Online User Guide
- Printed User Documentation

If any parts are missing or broken, contact your equipment supplier.

Choosing a Location

Remember the following points when deciding where to place TransPort.

- TransPort must be located within 6 feet of an electrical outlet that is not controlled by a wall switch. If connecting to a wired Ethernet LAN, you must also place TransPort within 9 feet of a Ethernet jack.
- In general, all computers in your WLAN must be within 100 - 300 feet of TransPort. Although radio waves pass quite readily through most walls as well as glass, they will not pass through metal. If your walls or floors contain metal, or there are metal

structures between TransPort and network computers, you will notice degraded service.

- Per FCC guidelines on radio frequency radiation exposure, this product should not be installed within 20 cm (7.8 inches) of the user or other nearby individuals.
- Do not install TransPort in the following locations:
 - Attics, garages, or other temperature-extreme locations
 - On top of or immediately adjacent to a TV, VCR, stereo system, or computer, or beside a window facing a street with heavy traffic.
 - Near radiators or microwave ovens, or in direct sunlight.
 - Where it might be subject to water splash, dust, or mechanical vibration.

Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Do not use this product near water or when you are wet (for example, near a bath tub, kitchen sink, laundry tub, wash bowl, wet basement, or swimming pool). Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. Do not plug the product back in until it is thoroughly dry.
4. Avoid using a telephone (other than a cordless one) during an electrical storm. There may be a remote risk of electric shock.
5. Do not use a telephone in the vicinity of a gas leak. If you suspect a gas leak, report it immediately using a telephone located away from the area where the gas is leaking. Also make sure the Controller unit is located away from the area of the suspected leak.

6. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power that is supplied to your location, consult your dealer or local power company.
7. Do not overload the wall outlets or extension cords as this can result in the risk of fire or electric shock.
8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by people walking on it.
9. This product must not be installed in an attic, garage or other temperature-extreme environment.
10. To reduce the risk of electric shock, do not disassemble the telephone equipment. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly could cause electric shock. If service or repair work is required, take the unit to a qualified technician.
11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - The power cord is damaged or frayed.
 - Liquid has been spilled into the product.
 - The product has been exposed to rain or water.
 - The product has been dropped or the enclosure has been damaged.
 - The product exhibits a distinct change in performance.
 - The product does not operate normally by following the operating instructions.

Use with medical devices

This device operates in the frequency range of 902-928 MHz and has a power output level that ranges from 0.001 to 0.10 watts.

Before installing and using the device in a location where personal medical devices such as pacemakers, etc., are in use, consult the manufacturer of the medical device to determine if it is adequately shielded from external RF (radio frequency) energy in the indicated range. Do not use this unit in health-care facilities when regulations

posted in the area so indicate. Hospitals or health-care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

Battery cautions

To reduce the risk of fire or injury to persons caused by batteries, read and follow these instructions.

1. Use only the proper type and size batteries.
2. Do not dispose of batteries in a fire. The cell may explode. Check with local codes for possible special disposal instructions. See page 16 for information on recycling spent HandSet batteries.
3. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling the battery in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
5. Charge the HandSet battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified for this product.
6. Observe proper polarity orientation when installing batteries.

Preventing static electricity damage

The components inside your system are extremely sensitive to static electricity, also known as electro-static discharge (ESD). Static electricity can cause irreparable damage to your system. You can help prevent such damage by taking the following precautions:

- Avoid touching expansion slot connectors.
- Avoid placing static-causing surfaces such as plastic and Styrofoam near your unit.
- Avoid sliding the unit across any surface.

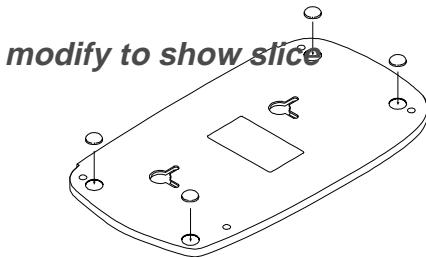
Installing TransPort

- 1 Record the TransPort serial number. You will need this information during the software installation process and for configuration purposes.

The serial number is located on the label beneath the cover. Refer to the accompanying illustrations for information on removing the cover and locating the serial number. Be sure to replace the cover after recording the serial number.



- 2 Affix the included self-adhesive protective feet to the underside of the TransPort module.



3 Connect the Power Adapter to the TransPort module and plug the Adapter into a standard 120V electrical outlet.

get illustration

4 If connecting to a wired LAN, connect the provided Ethernet cable and plug it into a nearby Ethernet jack.

Adding Computers To The Network

To add a computer to your AirWay network, you must complete the following steps:

1. Install network card (PCI or PCMCIA)
2. Install TransPort drivers and software

 **Note:**

You may be asked for your Windows CD-ROM during software installation. To prevent software conflicts, be sure to use the same version of Windows that is currently installed on your computer.

Installing Network Cards

Installing a PCI card

Use the following procedure to install a PCI card in a desktop computer.

1. Turn off and unplug your PC.
2. Remove the PC case, then remove the slot cover from an empty PCI slot.
3. Insert the AirWay PCI card into the expansion slot, making sure that it is fully seated in the slot. Secure the card in place using the screw removed in the previous step.
4. Replace the PC case.
5. Connect the AirWay external antenna to the PCI card.
6. Plug in the computer and turn it on.

7. Install the TransPort drivers and software.

Installing a PCMCIA Card

Use the following procedure to install a PCMCIA card in a laptop computer.

1. Turn off your laptop.
2. Insert the AirWay PCMCIA card into the card slot on the laptop.
3. Turn the laptop back on.
4. Install the TransPort drivers and software.

Installing the TransPort drivers and software

When you turn on your computer, Windows automatically detects the new AirWay card and asks for the drivers.

1. Insert the AirWay CD-ROM and follow the on-screen instructions to install the drivers. Restart your computer when prompted.

Note:

You may be prompted during the install process for your Windows CD-ROM. Insert the CD-ROM and specify the location of the Windows files. **Examples:** *D:\Win95, E:\Win98, etc.*

If you do not have your Windows CD-ROM, the needed files may already be installed on your computer. Specify the directory where your Windows files reside and click OK.

Example: *C:\Windows\options\cabs.*

2. When asked to enter the System ID of your Wireless Lan, enter the **last eight digits** of your TransPort serial number, then click *Next*.

 **Note:**

The last eight digits of the TransPort serial number is your network SSID (Service Set Identifier). All computers in the network must have the same SSID.

3. Follow the on-screen instructions to finish installing the TransPort software.

Managing Your TransPort Network

You can perform system administration and configuration from any computer in the network. There are two types of system administration modes: **Standard** and **Advanced**.

Standard Mode

- Allows you to view the version and dates of your TransPort software driver, configuration utility and NIC firmware.
- Allows you to view current link info.

To access Standard Mode, right-click on the TransPort icon in your system tray.

Advanced Mode

- Allows you to view the version and dates of your TransPort software driver, configuration utility and NIC firmware.
- Allows you to view and change link info, driver operating parameters and encryption parameters.

To access Advanced Mode, hold down the Control key and right-click on the TransPort icon in your system tray.

Regulatory Statements

United States

Information for general telephones

1. This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.
2. The applicable registration jack (connector) USOC-RJ11C is used for this equipment.
3. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 compliant. The FCC compliant telephone cord and modular plug is provided with this equipment.
4. The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.
5. If your equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advanced notice is not practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.
6. The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone

company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

7. If trouble is experienced with this equipment, for repair or warranty information, please contact the Home Wireless Networks Customer Service Center at 1-888-WHY-WIRE. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
8. All repairs will be performed in an authorized Home Wireless Networks service center.
9. This equipment cannot be used for party lines or coin lines.
10. This equipment is hearing aid compatible.

For telephones equipped with automatic dialers

When programming emergency numbers and/or making test calls to emergency numbers:

1. Remain on the line and briefly explain to the dispatcher the reason for the call.
2. Perform such activities in off-peak hours, such as early morning or late evenings.

Caution

Your are cautioned that any changes or modifications not expressly approved in the product documentation could void your authority to operate this equipment.

Interference information

Some telephone equipment generates, uses, and can radiate radio frequency energy, and if not installed and used properly, may cause interference to radio or TV reception.

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 or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and 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.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

 Note:

Privacy of communications may not be ensured when using this phone.

Radio Frequency Emissions

Per FCC guidelines on radio frequency radiation exposure, this product should not be installed within 20 cm (7.8 inches) of the user or other nearby individuals.

Canada

Equipment attachment limitations

NOTICE: The Industry Canada label identifies certain equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. the customer should be aware that compliance with above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Ringer Equivalence Number (REN)

NOTICE: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

Interference Information

Operation is subject to the following two conditions:

1. This device may not cause interference
2. This device must accept any interference, including interference that may cause undesired operation of the device.

