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OptiView™ Analyzer with omni-directional antenna.



Laptop with omni-directional antenna.



Laptop with directional antenna.

TYPICAL INSTALLATIONS



NETWORK SUPERVISION

Quick Start Guide

AnalyzeAir™ Wi-Fi Spectrum Analyzer

System Requirements

- OptiView™ Series II Integrated Network Analyzer or Notebook computer with Pentium series processor running at 1GHz or faster
- Windows 2000 SP4 or Windows XP SP1 or SP2
- 512 MB RAM
- Display resolution of 800 x 600 or higher (1024 x 768 recommended)
- 30 MB of available hard disk space
- Available CardBus slot
- 802.11 capability (recommended)
- CD or DVD drive

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Package Contents

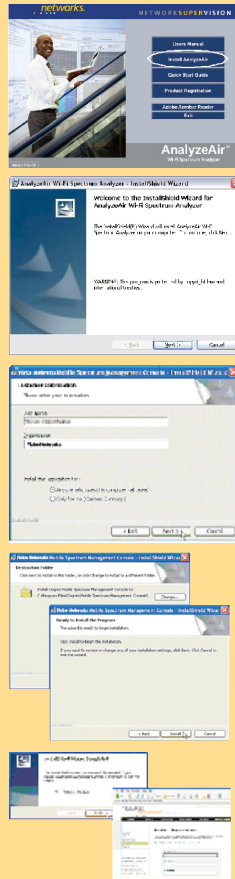
- AnalyzeAir Spectrum PC Card
- External Antennas
- Quick Start Guide
- Setup CD-ROM with AnalyzeAir Wi-Fi Spectrum Analyzer, documentation, and related files

1 INSTALLING THE ANALYZEAIR SOFTWARE

Note: Install the AnalyzeAir software before installing the Spectrum PC Card in the CardBus slot in your computer.

When installing software on an OptiView™ Series II Integrated Network Analyzer, attach an external USB CD drive to the analyzer. If you do not have an external CD drive, refer to the OptiView™ Series II Integrated Network Analyzer online Help for information on installing software from another PC.

1. Insert the installation CD into your CD-ROM drive.
2. The page shown to the right will open automatically in your Web browser. (If it does not, open the **setup.htm** file on the CD.)
3. Select **Install AnalyzeAir** (circled, in the illustration at right).
4. You may see a series of “security warning” screens. Click **[Run]** or **[Yes]** to confirm and continue. (**Note:** Not all screens are illustrated here.)
5. On the Welcome screen click **[Next]**.
6. You will see a standard software license agreement. Please review the agreement, and if you concur, select “I accept the terms of the license agreement.” Then select **[Next]**.
7. Enter your **User Name** and **Organization Name**. Then select one of the radio buttons to indicate if AnalyzeAir should be available to all users of the system, or only the user running the installation program. Select **[Next]**.
8. The next display indicates the default install directory. (To choose a different location, select **[Change...]**, and use the dialog box to indicate a different folder.) When you are satisfied with the install location, select **[Next]**.
9. In the **Ready To Install** dialog, click **[Install]**. InstallShield installs the AnalyzeAir.
10. Another dialog box will appear with an indicator bar, showing the progress of the installation.
11. In the final dialog box (**InstallShield Wizard Completed**) you can select the **Register Product** check box to be taken to a Web page for AnalyzeAir registration. Select **[Finish]** to complete the installation.



2 INSTALLING THE SPECTRUM PC CARD IN THE CARDBUS SLOT

Note: Install the AnalyzeAir software before installing the Spectrum PC Card into the CardBus slot in your computer. To install the Spectrum PC Card:

1. Identify an open CardBus slot (i.e., a PCMCIA slot) on your computer.
2. Insert the AnalyzeAir Spectrum PC Card into the slot as shown. The pins should go in first, and the LEDs on the card should be face up.
3. Press the card gently but firmly into place.
4. You may see a screen which asks if you want Windows Update to create a device driver. Of the available options, select **[Not At This Time]**.
5. Once the card is installed, Windows XP will present a dialog box indicating that new hardware has been found.
6. Normally, leave the default option (**Install the software automatically**) selected, and select **[Next]**.
7. Windows presents another dialog box, indicating that driver installation is in progress.
8. A final dialog box will indicate when installation is complete. Select **[Finish]**.



3 ATTACHING THE EXTERNAL ANTENNA

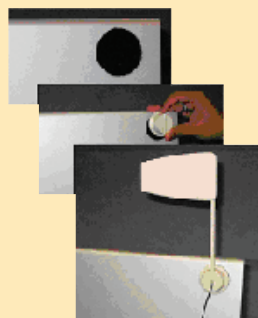
The Spectrum PC Card has an internal antenna; however, you can obtain improved detection sensitivity by using an external antenna. You can use the omni-directional antenna or the directional antenna (included).

Caution! Care must be used in detaching the external antenna to avoid damaging both the connector and the Spectrum PC Card. See the AnalyzeAir Users Manual for detailed instructions.

Note: Try to minimize the number of times the external antenna is connected and disconnected; significant repetition (over 500 times) of these actions may degrade the connector's performance.

Attaching the Omni-directional or Directional Antenna

1. Mount the Velcro strip to the back of the Optiview Series II Integrated Network Analyzer or laptop. (The strip has adhesive backing.)
2. Attach the plastic holder to the Velcro strip.
3. Slide the antenna's support staff into the slot on the holder. This applies to the omni-directional and directional antennas.
4. A cable extends from the bottom of the antenna support staff. The end of the cable has a plug. Install the antenna plug into the external jack on the Spectrum PC Card.



See the *AnalyzeAir Users Manual* for more information on how to make effective use of the antennas.

4 PROGRAM STARTUP

Once both AnalyzeAir and the Spectrum PC Card are installed, you can use AnalyzeAir to identify sources of interference in the neighborhood of your network.

To start AnalyzeAir:

1. From the Start menu, select **All Programs > Fluke Networks > AnalyzeAir**, or double click on the AnalyzeAir desktop icon.
2. **NOTE:** Depending on your security settings, when you start AnalyzeAir, you may encounter the dialog box shown at right. This is a Windows security alert for a AnalyzeAir-related program called “sensored”. Be sure to select the **[Unblock]** option.
3. After seeing the AnalyzeAir splash screen, a dialog box will allow you to choose the antenna to use. Select **Spectrum PC Card Internal Antenna** or **Spectrum PC Card External Antenna**, as appropriate.
4. Optionally, check the **Automatically Use These Settings Next Time** box.
5. Select **[OK]**.
6. Depending on the country in which you are located, you may need to change the **Settings** before you can make effective use of AnalyzeAir. Select **Tools > Settings**.

See the *AnalyzeAir Users Manual* or *Online Help* for more information.

