



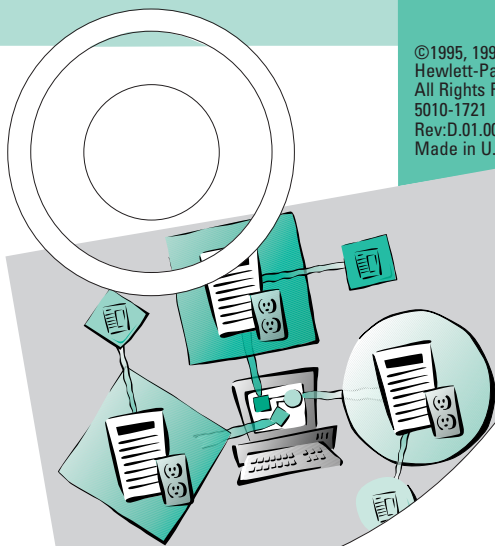
HP PowerWise Assistant Power Management Solution

Includes
software for

- Windows® NT
- NetWare®
- Windows®95
- HP OpenView
for Windows
- NetServer
Assistant

Disk 1 of 1

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5010-1721
Rev:D.01.00
Made in U.S.A



At a Novell NetWare Console

- After you have installed the software, loaded the required modules, and rebooted the server (or typed `pwaload` at the console), load the HP PowerWise Assistant by typing: `load pwa_con <enter>`
- To find out more about HP PowerWise Assistant, use the F1 function key to access the Help function.

Technical Support

For additional technical support, please refer to the following list.
Please have all pertinent information on hand in order to quickly answer
your questions.

United States and Canada:

Call your Hewlett-Packard dealer, or
Hewlett-Packard Customer Support Center
Phone: (970) 635-1000
Fax: (970) 663-4792
(use area code 303 if 970 does not work)

Europe:

Call your Hewlett-Packard dealer, or the Hewlett-Packard Customer Support Center at the following numbers:

Austria	0660 6386	Ireland	01 622 5525	Sweden	08 619 2170
Belgium		Germany	0180 5 25 81 43	Switzerland	
- Dutch	02 626 8806	Italy	02 26410350	- French	0848 80 11 11
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Denmark	3929 4099	Norway	22 11 6299	UK	0171 512 5202
Finland	0203 47288	Portugal	01 441 7199	Other -	
France	04 50 43 9853	Spain	902 321 123	English only	+44 171 512 5202

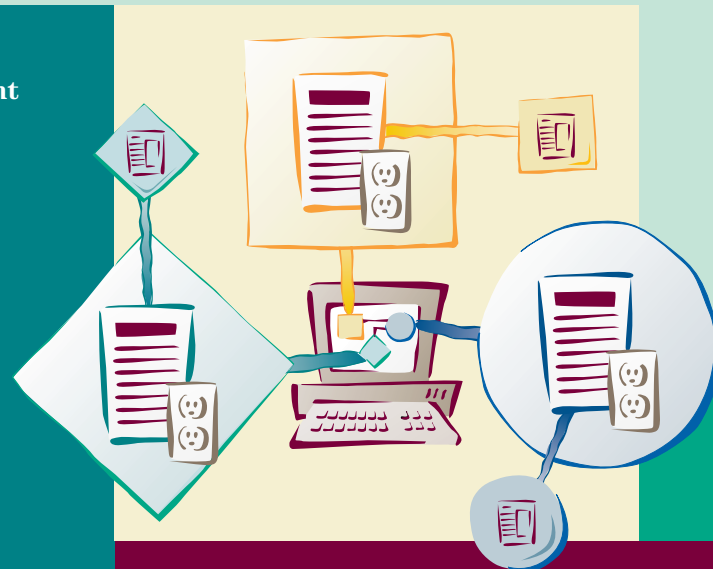
Asia Pacific and Latin America:

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HP PowerWise Assistant

Integrated Power Management Solution



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Edition 3, Printed in USA, October 1996

HP part number 5962-0868

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Integrated Power Management Solution

Installation Guide

System Requirements

Stand-alone PC:	Windows 95 Windows NT	Windows 95 Windows NT Workstation 3.51 or 4.0
Servers:	Windows NT Novell NetWare	Windows NT Server 3.51 or 4.0 Novell NetWare 3.12, 4.1, or 4.11
Client PC:	Windows 95	Windows 95
	Windows 3.1	Windows 3.1 with LanManager for NT servers; Windows 3.1 with Novell client software for NetWare servers
	Windows for Workgroups	Windows for Workgroups 3.11 for NT servers; Windows for Workgroups 3.11 for with Novell client software for NetWare servers
	Windows NT Workstation	Windows NT Workstation 3.51 or 4.0 for NT servers; Windows NT Workstation 3.51 or 4.0 with Novell NetWare Client software for NetWare servers
Management Console:	Windows 95	Windows 95
	Windows 3.1 or Windows for Workgroups	Windows 3.1, or Windows for Workgroups 3.11 and FTP PC/TCP network software version 2.3
	Windows NT Workstation	Windows NT Workstation 3.51 or 4.0
	HP Openview Professional	Workgroup Node Manager for Windows 95 and NT; HP NetServer Assistant, version 2.1- 2.4
SNMP Configuration Utility:	HP 1000/2100 Powerwise UPS	Required only if UPS is not connected to a server. HP C4620A /HP C4692A SNMP interface; A PC running Windows 95, Windows NT Workstation, or Windows for Workgroups

The HP PowerWise Assistant Software

The HP PowerWise Assistant software is an integrated power management solution that can run on a stand-alone PC, the server to which your HP PowerWise UPS is connected, the local client PC that you are using to monitor the server, and on an HP OpenView for Windows network management console.

At the server, the software provides functionality that includes:

- Automatic shutdown and restart of server
- Scheduled shutdowns and restarts
- Notification of UPS power events via user-configurable messages
- Automatic notification via paging and Email
- Logging of UPS status and events.

A Windows-based graphical interface to monitor the local UPS from the server console (the interface is character-based on NetWare servers)

At the client PC, the functionality includes:

- Real-time and historical data monitoring
- Sorting and viewing data by events.
- A Windows-based graphical interface to monitor other UPSs connected to NT or NetWare servers

Note: On stand-alone PCs running Windows 95, the server and client functions are provided by a single power-management application.

At the central HP OpenView for Windows management console, the functionality includes:

- Automatic UPS discovery and mapping
- Remote fault and alarm management
- Remote shutdowns and restarts
- Monitoring and configuring multiple UPSs from a single screen
- UPS inventory management

A **SNMP Configuration Utility** is also included that lets you configure an HP PowerWise UPS that will not be connected to a computer, but will be protecting equipment such as hubs, routers, switches, or bridges. The utility lets you configure the SNMP card as well as certain UPS parameters.

Installation Prerequisites

*With Windows NT or Novell NetWare, you must have **supervisor** or **administrator** capabilities to install this software.*

Refer to the README file located in the HP PowerWise Assistant \disk1 directory for any updates to the installation procedure.

Before installing the software, make sure that:

- Your HP PowerWise UPS is plugged in, turned on, and connected to the server via the serial cable.
- Your server/client/stand-alone PC is turned on with Microsoft Windows NT, Novell NetWare, or Windows 95 up and running.

If you are running **Novell NetWare** make sure that:

- You have unloaded any earlier versions of HP PowerWise Assistant, and removed it from the AUTOEXEC.NCF file. Refer to the readme file for details.

If you are using **HP OpenView for Windows** to manage your HP PowerWise UPS, make sure that:

- HP OpenView for Windows is installed on your central management console.
- TCP/IP and SNMP services are installed and properly set up on your server.
- Optionally, HP NetServer Assistant is installed on your server and management console, if you are using it to manage your NetServer.

Installation procedure for a UPS that is connected to the serial port of the computer that you are presently using

For Windows NT or Windows 95 systems

- Put the HP PowerWise Assistant CD-ROM in the CD drive of the computer to which your UPS is connected.

If you do not have access to a CD-ROM drive on your computer, run the HP PowerWise Installation procedure on a computer that has a CD-ROM drive, and make installation diskettes from the CD-ROM.

- From the Program manager, choose **File**, then **Run...**
Type in {drive}:\disk1\setup.exe <enter>
where {drive} is the letter of the CD drive.

- Follow the directions on the screen.

Select **Local UPS** if you are setting up a UPS that is connected to the computer that you are presently using. You will be prompted to identify an installation path for the software. Following this, you will need to identify the serial port on the server to which the HP PowerWise UPS is connected.

If you are running Windows NT, you will be asked if you want to install SNMP agents to control your UPS. If you choose Yes, you must also decide if you want users to have read-write or read-only capability for SNMP agents. (Select read only capability to prevent anyone from changing UPS configuration parameters from the management console.)

Installation procedure for a UPS that is NOT connected to the serial port of the computer that you are presently using

For NetWare servers, Client User-interfaces, and HP OpenView management consoles.

- Put the HP PowerWise Assistant CD-ROM in a CD drive that is accessible from the client or central management console.

If you do not have access to a CD-ROM drive on your computer, run the HP PowerWise Installation procedure on a computer that has a CD-ROM drive, and make installation diskettes from the CD-ROM.

If you are installing from a client that is used to monitor other NetWare servers running previous versions of HP PowerWise Assistant, refer to the readme file.

- From the Program manager, choose **File**, then **Run...**
- Type in `{drive}:\disk1\setup.exe <enter>` where `{drive}` is the letter of the CD drive.
- Follow the directions on the screen.

Select **Remote UPS** to install HP PowerWise Assistant server component on a Novell NetWare server, the client component on a local client computer, or the management component on a central HP OpenView Management console. You will be prompted to identify an installation path for the software. Note that the Manager selection is grayed out if HP OpenView is not installed on your computer.

If you are installing on an HP OpenView Management console, you also need to specify if HP NetServer Assistant has been installed. Then you need to specify the location of the HP OpenView directory.

If you are installing HP PowerWise Assistant on a Novell NetWare server, you need to select the server from the server list. If no server is displayed, you will need to manually specify the path for the server. You will also be asked if you want to install SNMP agents to control your UPS. If you choose Yes, you must specify either a TCP/IP or IPX network stack. Depending on your installation choices, one or more of the following commands are added to the AUTOEXEC.NCF file:


```
load aiocomx <parameter>
load pwa\pwa_core
load pwa\pwa_sd
load pwa\pwa_std
load pwa\pwa_ext
```

To complete the Novell NetWare installation, you must either reboot the server to load these files, or manually load them by entering `pwaload` at the server console. Note that one copy of AIOCOMX must be loaded for each serial port in your server. You must add an additional `load aiocomx` statement to AUTOEXEC.NCF if you connect a modem to your server in order to use the paging feature of PowerWise Assistant.

Configuring the HP PowerWise UPS or HP PowerWise SNMP card

This step applies only if your HP PowerWise UPS will not be connected to a server, but to devices such as hubs or routers.

- Connect your UPS to the COM1 port of a computer that will be used to configure the UPS. Use the serial cable supplied with the UPS.
- Put the HP PowerWise Assistant CD-ROM in the CD drive of the computer to which your UPS is connected.

- From the Program manager, choose **File**, then **Run...**
Type in {drive}:\util\disk1\setup.exe <enter>
where {drive} is the letter of the CD drive.
- When installation is complete, double-click on the PowerWise Configuration icon in the newly-created PowerWise Assistant Group and follow the directions on the screen. Click on **Start** to run the program. 
- When you are finished configuring the UPS and SNMP card, disconnect the UPS serial cable from your computer. You can now control your UPS over the network through a LAN connection.

Viewing and Configuring HP PowerWise Assistant

After you have completed the previously described installation procedure, the HP PowerWise Assistant power-monitoring software is running and the UPS is protecting the equipment connected to it.


No further action is required unless you wish to view the present operating status of the UPS or change the factory default configuration.

Access the HP PowerWise Assistant as follows:

On Windows NT servers or clients


When HP PowerWise Assistant is installed and running under Windows NT, the HP PowerWise service indicates that it has been started. An icon for the HP PowerWise Assistant is placed in the HP PowerWise Assistant Program Group.

- To see if the PowerWise UPS service is running, click on the **Services** icon located in the **Control Panel**.

- To view the user-interface portion of the HP PowerWise Assistant, click on the PowerWiseAssistant icon located in the newly created HP PowerWise Assistant program group. 
- To find out more about HP PowerWise Assistant, click on the **Windows Client Help** icon.

On Windows 95 computers

When HP PowerWise Assistant is installed and running on a stand-alone Windows 95 PC powered by the UPS, the PowerWise Assistant icon is placed in the Startup group. Another icon is placed in the taskbar at the bottom of the screen.

- To view the user-interface portion of the HP PowerWise Assistant, right-click on PowerWise Assistant icon in the taskbar at the bottom of the screen. Then select **Properties** from the menu. 
- If the PowerWise Assistant icon does not appear in the taskbar at the bottom of the screen, this means that the HP PowerWise Assistant service is not started. Click on the **Start** button and select: **Programs | Startup | PowerWise UPS Service**.
- To stop the HP PowerWise service, right-click on the PowerWise Assistant icon in the taskbar at the bottom of the screen. Then select **Stop PowerWise UPS Service** from the menu.
- To find out more about HP PowerWise Assistant, right-click on PowerWise Assistant icon in the taskbar at the bottom of the screen. Then select **Help** from the menu.

If your Windows 95 PC is being used to monitor UPSs connected to other servers, access the UPS connected to the server by clicking on the **Start** button and select: **Programs | PowerWise Assistant**.