

## About Boot Disk Builder

The PowerQuest Boot Disk Builder is a Windows application that helps you build a boot disk to run Remote Agent for across the wire operations. You can run Boot Disk Builder under Windows 95, 98, Me, NT, or 2000.

## Running Boot Disk Builder

How you run Boot Disk Builder depends on if you are using ServerMagic for Windows NT or PartitionMagic, or if you are using ServerMagic for NetWare.

### ServerMagic for Windows NT or PartitionMagic

Boot Disk Builder is a separate program that is installed during the ServerMagic for Windows NT and PartitionMagic installation.

- 1 From the Windows Taskbar, click **Start ▶ Programs**  
**▶ PowerQuest ServerMagic 4.0** or **PowerQuest PartitionMagic 6.0**  
**▶ Boot Disk Builder**.
- 2 Follow the steps under [To create Remote Agent boot disks](#).  
You can also start Boot Disk Builder from the ServerMagic or PartitionMagic window. Click **Tools ▶ Boot Disk Builder**.

### ServerMagic for NetWare

Because Boot Disk Builder is a Windows application, it is not installed during the ServerMagic for NetWare installation. You must run Boot Disk Builder directly from the ServerMagic for NetWare CD.

- 1 Insert the ServerMagic for NetWare CD into the CD-ROM drive of a computer that has Windows.
- 2 From the Windows taskbar, click **Start ▶ Run**.
- 3 Type `D:\BDBUILD\PQBDB32.EXE` in the Open text box.  
If your CD-ROM drive uses a letter other than D, substitute that letter for D.
- 4 Click **OK**, then follow the steps under [To create Remote Agent boot disks under Windows](#).  
{button ,Jl(`,`Boot\_Disk\_Files')} [List of boot disk files](#)  
{button ,Jl(`,`To\_use\_the\_Remote\_Agent\_boot\_disk')} [To use the Remote Agent boot disk](#)

## To create Remote Agent boot disks under Windows

**Important:** The following steps are specific to users of ServerMagic for NetWare.

- 1** Copy the BDBUILD and RA directories from the ServerMagic for NetWare CD to the hard disk that has Windows.
- 2** Run Boot Disk Builder.
- 3** From the Boot Disk Builder window, click **Next**.  
To retrieve a configuration file, click **File ▶ Load Configuration** from the main Boot Disk Builder screen, choose a configuration file (\*.BDC), then click **Open**.
- 4** If your network adapter is listed, go to step 6. If your network adapter is not listed, click **Add**, then specify the location of the driver file (\*.INF) for your network adapter.
- 5** Specify whether you need NetWare and/or Microsoft TCP/IP driver files, then click **Next**.
- 6** Choose one or more adapters from the list, then click **Next** to select the NetWare and/or Microsoft TCP/IP drivers.
- 7** Click **Finish**.
- 8** Select the network adapter you are using from the list box.
- 9** Click **Next**.
- 10** Click **Obtain an IP address from a DHCP server** if a DHCP server is used (the net mask and default gateway are automatically provided).  
Or, specify the IP address and subnet mask if there is no DHCP server and you need to use TCP/IP on the network.  
Ethernet II will display as the frame type for your network.
- 11** Click **Next**.
- 12** Click the drive letter where you are creating the DOS boot diskette.  
Or, click **Copy boot disk contents to a folder**, then specify the full path to the folder you want.
- 13** Insert a formatted disk.  
If you have a boot disk and you want to use your regular DOS files instead of the Caldera DOS files included with Boot Disk Builder, complete the following items:
  - Insert your boot disk, then click **Tools ▶ Load DOS Reference Diskette****▶ From A:** The files from your boot disk will be copied to the \BDBUILD\REFDISK directory that you copied to the hard disk in step 1 above. You may have a lot of files in the REFDISK directory. If there are too many to include along with the necessary files that Remote Agent needs, you can delete everything but CONFIG.SYS and any drivers started within the CONFIG.SYS file.
  - Select **Use Reference Disk for DOS Files** at the bottom of the dialog box.
  - Remove your original boot disk and insert a formatted disk that will become the Remote Agent boot disk. (If you do not remove your original disk, Boot Disk Builder will overwrite the files on it.)
- 14** If you want to save your choices for later use, click **File ▶ Save Configuration**, then name and save the file.
- 15** Click **Back** to make any changes, or click **Finish** to build the boot disk.  
You are ready to use the Remote Agent boot disks.

### Tips

- Depending on the network interface card selected, the network and Remote Agent files may require two disks. You will be prompted if a second disk is needed.
- After the boot disk has been created, you can create another boot disk.
- When you use the boot disk, Remote Agent will start in GUI (Graphical User Interface) mode, and you can specify settings such as an IP address. You can then send operations from the original server to the remote server.
- For detailed steps on accessing a remote server, see chapter 2 in the ServerMagic for NetWare user guide.

## To create Remote Agent boot disks

**Important:** The following steps are specific to users of ServerMagic for Windows NT and PartitionMagic.

**1** From the Boot Disk Builder window, click **Next**.

To retrieve a configuration file, click **File ▶ Load Configuration** from the main Boot Disk Builder screen, choose a configuration file (\*.BDC), then click **Open**.

**2** If your network adapter is listed, go to step 7. If your network adapter is not listed, click **Add**, specify the location of the driver information file (\*.INF) for your network adapter, then click **Next**.

**3** Choose one or more adapters from the list, then click **Next**.

**4** Specify the Novell NetWare DOS client driver file, then click **Next**.

**5** Specify the Microsoft TCP/IP NDIS DOS driver file, then click **Next**.

**6** Click **Finish**.

**7** Select the network adapter you are using from the list box.

**8** Click **Next**.

**9** Click **Obtain an IP address from a DHCP server** if a DHCP server is used (the net mask and default gateway are automatically provided).

Or, specify the IP address and subnet mask if there is no DHCP server.

Ethernet II will display as the frame type for your network.

**10** Click **Next**.

**11** Click the drive letter where you are creating the DOS boot diskette.

Or, click **Copy boot disk contents to a folder**, then specify the full path to the folder you want.

**12** Insert a formatted disk.

If you have a boot disk and you want to use your regular DOS files instead of the Caldera DOS files included with Boot Disk Builder, complete the following items:

- Insert your boot disk, then click **Tools ▶ Load DOS Reference Diskette**

▶ **From A:** The files from your boot disk will be copied to a REFDISK directory where Boot Disk Builder is installed. If there are too many to include along with the necessary files that Remote Agent needs, you can delete everything but CONFIG.SYS and any drivers started within the CONFIG.SYS file.

- Select **Use Reference Disk for DOS Files** at the bottom of the dialog box.
- Remove your original boot disk and insert a formatted disk that will become the Remote Agent boot disk. (If you do not remove your original disk, Boot Disk Builder will overwrite the files on it.)

**13** If you want to save your choices for later use, click **File ▶ Save Configuration**, then name and save the file.

**14** Click **Back** to make any changes, or click **Finish** to build the boot disk.

The Remote Agent boot disk is ready to use.

## Tips

- Depending on the network interface card selected, the network and Remote Agent files may require two disks. You will be prompted if a second disk is needed.
- After the boot disk has been created, you can create another boot disk.
- When you use the boot disk, Remote Agent will start in GUI (Graphical User Interface) mode, and you can specify IP address settings. You can then send operations from the original machine to the remote machine.
- For detailed steps on accessing a remote machine, see the ServerMagic for Windows NT or the PartitionMagic user guide.

## Boot Disk Files

When you are finished creating the Remote Agent boot disk, it will contain the following files:

- NIC drivers
- AUTOEXEC.BAT
- COMMAND.COM
- CONFIG.SYS
- HIMEM.SYS
- IBMBIO.COM
- KICKNIC.COM
- LSL.COM
- MOUSE.COM
- MOUSE.INI
- NET.CFG
- PING.EXE
- RA.EXE
- RAHELP.TXT
- WATTCP.CFG

If the remote machine has a bootable partition, you can copy the files from the boot disk to that partition and run the Remote Agent from the hard disk.

For steps on using the Remote Agent boot disks, see the online Help topic **To use the Remote Agent boot disk**. For steps on accessing a remote machine, see the user guide.

### **To use the Remote Agent boot disk**

To use the RA (Remote Agent) boot disk, you must start the RA executable from a DOS prompt on the remote machine.

**1** Insert the RA boot disk into the floppy drive of the remote machine and boot the machine.

**2** From a DOS prompt, type `RA` and press <Enter>.

The Remote Agent dialog box appears. Notice that it is waiting for a connection.

The first time you run RA on the remote machine, you may need to specify the correct network configuration settings. If so, complete the remaining steps.

**3** From the Remote Agent dialog box, click **Settings**.

**4** Click **Obtain an IP address from a BOOTP server** if a DHCP server is used, then go to step 7.

Or, click **Specify an IP address**, then continue with step 6.

**5** Enter a static local address, net mask, and default gateway.

**6** Click **Save**.

The information you specify in the Local Settings dialog box is saved in the WATTCP.CFG file on the boot disk.

Notice that the RA is now ready and waiting for a connection from PartitionMagic, or from ServerMagic on a Windows NT server, or on a NetWare server. After a connection is established, you can send operations (such as copying a partition) to the remote machine.

For more information on establishing a connection with the remote machine, see the user guide.

## PowerQuest Technical Support

Before contacting PowerQuest, please try to resolve problems you encounter by using the online Help, the user guide, the README file, and PowerQuest's corporate web site.

### Tips

- Your problem may be resolved by applying the most recent patch or upgrade of the software. You can download patches and upgrades from <http://www.powerquest.com/updates>.
- PowerQuest technical support engineers may request information from the PARTINFO (PartitionInfo) utility program to help you resolve problems with PowerQuest software. The PARTINFO report is always required for errors 100-199, 255, 986, and drive detection errors of any kind.
- Your product serial number is required to obtain technical support.
- If you received a demo or trial version of the PowerQuest software, you are not entitled to complimentary technical support.

### Term of Technical Support

Technical support is available to all registered users throughout the life of the product, which began when PowerQuest released the software to manufacturing and ends six months after the release of the next version of the software or when PowerQuest discontinues its development.

Upon registration, PowerQuest provides 45 days of complimentary technical support from the day of your first call.

### Corporate Web Site

The Technical support web site, <http://support.powerquest.com>, includes an overview of support options, an e-mail support request form, a list of error messages and information to resolve problems you encounter, and answers to frequently asked questions about the product.

### E-mail

<b>Lang uage</b>	<b>E-mail address (for specific technical problems)</b>
Dutch	<a href="mailto:euots@powerquest.com">euots@powerquest.com</a>
English	<a href="mailto:help@powerquest.com">help@powerquest.com</a> <a href="mailto:euots@powerquest.com">euots@powerquest.com</a>
French	<a href="mailto:france@powerquest.com">france@powerquest.com</a>
German	<a href="mailto:germany@powerquest.com">germany@powerquest.com</a>
Italian	<a href="mailto:italian@powerquest.com">italian@powerquest.com</a>
Portuguese	<a href="mailto:latina@powerquest.com">latina@powerquest.com</a>
Spanish	<a href="mailto:spanish@powerquest.com">spanish@powerquest.com</a>

To obtain e-mail technical support for specific technical questions, you can fill out the form at <http://support.powerquest.com> (available in English only). If you send the information from PARTINFO with your e-mail message, a PowerQuest technician will be able to assist you more easily. Refer to the product user guide for information about PARTINFO.

### E-mail on Demand

PowerQuest maintains an e-mail on demand system to resolve common problems. You can view a list of available documents at <http://support.powerquest.com>. To request one of the documents, send an e-mail message to [support@powerquest.com](mailto:support@powerquest.com) with the index number of the document in the subject of the message. You can only request one document per e-mail message. E-mail on demand documents are available in English only.

### Fax

<b>Loc atio n</b>	<b>Number</b>
USA	+1 (801) 437-4218
Eur ope	+31 (0)20 581 9270

Fax a description of your problem to the technical support fax number. This service is available in the United States, Canada, and Europe 24 hours, 7 days. PowerQuest technicians try to respond to all fax requests within 24 hours.

### Telephone

<b>Lang uage</b>	<b>Location</b>	<b>Number</b>
Dutc h	Netherland s	+31 (0)20 581 3906
Engli sh	Netherland s	+31 (0)20 581 3907
Engli sh	UK	+44 (0)17 1341 5517
Engli sh	USA	+1 (801) 226-6834
Frenc h	France	+33 (0)1 69 32 49 30
Germ an	Germany	+49 (0)069 66 568 516
Italia n	Italy	+39 (0)02 45 28 1312
Portu gues e	USA	+1 (801) 226-6834
Spani sh	Spain	+34 (0)91 662 3146
Spani sh	USA	+1 (801) 226-6834

The USA call center is open Monday through Friday, 7:00 a.m. to 6:00 p.m., MST/MDT. Our European call centers are open Monday through Friday from 9:00 to 18:00, CET.

If you have the information from PARTINFO ready when you call, a PowerQuest technician will be able to assist you more easily. Refer to the product user guide for information about PARTINFO.

### Postal Service Mail

**USA**

PowerQuest  
Corporation

P.O. Box 1911

Orem, Utah  
84059-1911

U.S.A.

**Europe**

PowerQuest  
Customer  
Service

P.O. Box 58287

1040 HG

Amsterdam

The  
Netherlands

Please include the information from PARTINFO with a description of your problem. Also include a return address, a daytime phone number, or other relevant contact information.



### **To load a boot disk configuration file**

- 1** Click **File ▶ Load Configuration**.
- 2** Choose the configuration file (\*.BDC) you want, then click **Open**.
- 3** A dialog box appears informing you the configuration file has been successfully loaded and asks if you would like to create the target disk now.
- 4** Click **Yes** to immediately create a boot disk with the current configuration.  
Or, click **No** to return to the Boot Disk Builder main menu.

If you click **No**, you must select what type of boot disk you would like to create, then continue through the wizard.

### **To save a boot disk configuration file**

In the process of building any PowerQuest boot disk, you can save the boot disk's configuration settings for use in creating other boot disks.

- 1** Click **File ▶ Save Configuration**.
- 2** Type the name of the configuration file.  
By default, configuration files are saved with a .BDC (Boot Disk Configuration) extension.
- 3** Click **Save**.

### **Tips**

- You can save the current boot disk configuration at any point of the Boot Disk Builder wizard; however, to save the complete configuration, save the boot disk configuration at the final screen of the wizard, just before you click **Finish**.

## To format disks using Boot Disk Builder

- 1 Click **Tools** ▶ **Format** ▶ **drive letter**.
- 2 Select the capacity of your floppy disk from the Capacity drop-down list.
- 3 Click a format type.

Option	Description
Quick (erase)	Click <b>Quick (erase)</b> to erase existing information on a currently formatted disk.
Full	Click <b>Full</b> to completely format the disk.
Copy system files only	Select <b>Copy system files only</b> to copy DOS system files to a previously formatted disk. Boot Disk Builder automatically copies the system files to the floppy disk when building the boot disk.

- 4 Type the disk label in the Label text box, or select **No Label**.
- 5 By default, **Display summary when finished** is selected. This gives you a summary of the disk format for troubleshooting purposes.  
If you do not want to have a format summary, deselect this option.
- 6 Select **Copy system files** to copy the DOS system files while formatting the disk.  
This option is only relevant for the Quick (erase) and Full format types.

{ewl RoboEx32.dll, WinHelp2000, }

