

POWERBOX™

Welcome to PowerBox 3.1 —the best-in-class Internet management system from Autobahn Internet Services.

This Home section offers top-level access to all sections of the online *PowerBox 3.1 User Guide*.

⇒ Find information in this guide

1. Click on any Contents section or menu button to access related information or operating procedures.
2. Click on any blue text in this guide to access information about the referenced topic.

Return to this Home area by clicking on HOME in the upper-left corner on any page in this guide. From this Home area, you can also learn how to exploit the power of this guide—refer to: [Using This Online Guide](#).

Copyright © 2000 Autobahn Internet Services, Inc.
All rights reserved.

3.1 User Guide CONTENTS

November 2000 Edition

[1. Overview and System Startup](#)

[2. Manage Mailboxes](#)

[3. Backup or Restore](#)

[4. Manage Host Names and Addresses](#)

[5. System Administration](#)

[6. System Tools](#)

[7. Firewall Administration](#)

[Technical Glossary & Notes](#)



Using This Online Guide

From this Home area, you can learn about:

- [Fast Reference](#)
- [Viewing This Guide](#)
- [Navigating This Guide](#)
- [Acrobat Mouse Shortcuts](#)
- [Finding and Searching for Text](#)
- [Printing Online Books](#)
- [Copying and Pasting Text](#)
- [Documentation Conventions](#)
- [Documentation Conventions](#)
- [Copyright & Trademark Notices](#)

Fast Reference

Click on any blue text in this guide to access information about the referenced topic, and/or use the Find or Search functions (see: [Finding and Searching for Text](#)).

Whenever you are using PowerBox, you can keep this guide within easy reach by opening it and then minimizing it on your desktop or taskbar. If you prefer to work with a printed version of this guide, refer to [Printing Online Books](#) below.

NOTE: This guide assumes that you have a working knowledge of Microsoft Windows techniques and conventions, including how to use a mouse and standard menus and commands; and how to open, save, and close files. If you are a system integrator, reseller, or network administrator, this guide also assumes that you understand basic network and Internet terminology.

ADDITIONAL REFERENCE

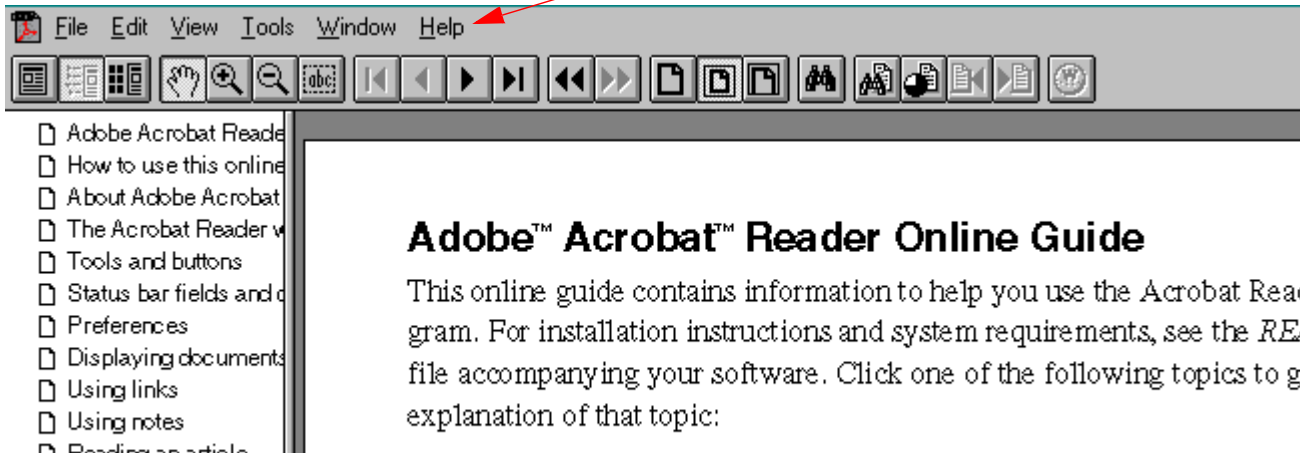
For specific information on using Microsoft Windows or other Microsoft products, refer to Microsoft support: support.microsoft.com/support.

ON-CALL SUPPORT

If you still cannot resolve a system-operation question or problem after carefully following the related procedures in this guide, contact PowerBox Support at: 503-639-2727.










Viewing This Guide





PowerBox documentation is distributed in this online book in Adobe™ Acrobat™ format. Via the Acrobat Reader, you can view, [search](#), or [print](#) the full text of this online book; you can [navigate](#) using hypertext links (shown in blue text), bookmarks, thumbnails and other mechanisms; you can [copy and paste](#) text; you can change the page size; and so on. For details about Acrobat Reader, open its [online help](#):





Navigating This Guide

ACROBAT NAVIGATION CONTROLS

Button	Action
Blue text	Indicates hypertext, which lets you jump directly to a topic.
	Displays bookmarks, a hierarchical listing of a document's topics. Click a bookmark to display that topic. Click the triangle symbols to show or hide subordinate bookmarks.
	Displays thumbnail images of each document page. Click a thumbnail to display that page.
	Moves the current page on the screen when it does not fit in the window. Drag the hand tool in the direction you want to move the page.
	Use the zoom tool to click on the book page to double the current magnification, or drag the tool to draw a rectangle (marquee) around the area that you want to magnify.
	Enables text selection, which lets you copy and paste text.
	Moves to the first page or last page of the current document.
	Moves to the previous page or next page of the current document.
	Retraces your document actions. The Go Back button returns you to the previously viewed page, document, or magnification level. Use the Go Forward button to reverse direction and return, one view at a time, to the view where you first used the Go Back button.
	Changes the display to 100% zoom, fit page in window, or fit page width inside window, respectively. Refer to the description of the zoom tool above.

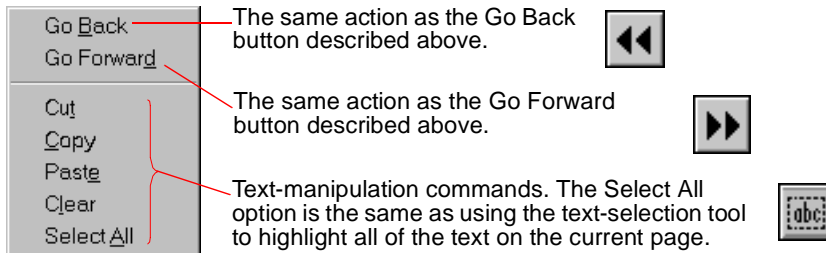
 Finding a Text String in the
 Printing This Book
 Printing a Chapter
 Printing the Entire Book

ACROBAT NAVIGATION CONTROLS

Button	Action
	Opens a Find dialog box, for specifying the text to find in the current document. You can specify a partial word, a complete word, or a phrase.
	Opens a Search dialog box, for retrieving data across multiple documents—enables faster and more advanced text retrievals than Find.


Acrobat Mouse Shortcuts

In addition to the tool buttons described above, you can also use the right mouse button to display a floating menu of Acrobat navigation and text-manipulation commands:



Finding and Searching for Text

Acrobat Reader distinguishes between finding and searching. *Finding* lets you locate part of a word, a complete word, or a phrase starting at the current page and moving to the end or beginning of the document. *Searching* offers more powerful text-retrieval options and is considerably faster in producing the results from your query.

NOTE: If your Acrobat Reader toolbar does not include the Search tool  you do not have Acrobat Reader with Search installed. To use this guide with the powerful Search function, you must use *Acrobat Reader with Search* for 32-bit Windows (Windows 95, 98, NT). A free copy of this version of Acrobat Reader is included with your PowerBox software.



⇒ Find a text string in the book

1. Click Acrobat's Find icon, press Ctrl+F, or choose Tools > Find.
2. In the Find What field, enter the partial word, complete word, or phrase you wish to find.
3. Click Find. Acrobat finds and highlights the first occurrence of the string.
4. If the first occurrence is not the one you are seeking, click Find Again, or press F3.



⇒ Add the Acrobat index file

Before you can search this online book, the PWR31.PDX index file must be attached. If it is not attached, the Search button will not be active. In that case, follow this procedure:




1. Click Acrobat's Search icon, or choose Tools > Search > Indexes.
2. From the Search dialog box, click Index. Then, in the Index Selection dialog box, click Add.
3. Locate and select the PWR31.PDX file, then click OK.

After you have identified the location of the index file or files you want to use, Acrobat retains that data for handling all search queries.

NOTE: The PDX index file depends on data files contained in the PWR31 subdirectory, installed as part this online book. Do not delete this directory.



⇒ Search the entire *PowerBox User Guide*

1. Click Acrobat's Search icon, or choose Tools > Search > Query.
2. In the Find Results Containing Text field, type a query. You can construct Boolean queries using AND, OR, and NOT; you can use the wildcards (*) and (?); and you can search for a phrase. For details about these and other sophisticated searches, refer to the Acrobat Reader Help.
3. Click Search. Acrobat displays a query-match list.
4. To view the next match, click ; the previous match: ; or the list of matches: .

Printing Online Books

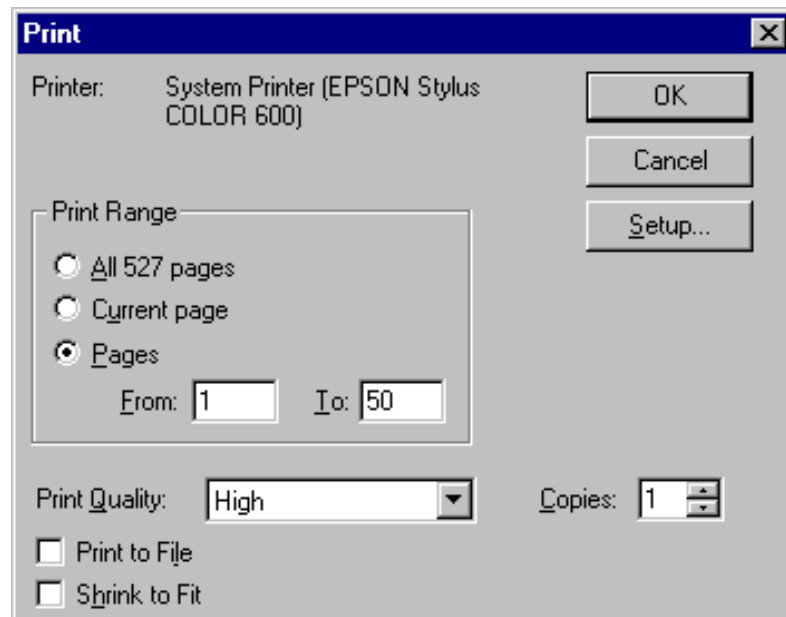
You can print all or part of this online book with any printer.

⇒ Print the *PowerBox User Guide*

1. Open the *PowerBox 3.1 User Guide* in Acrobat Reader.
2. In Acrobat Reader, select File > Print to display the Print dialog box.
3. In the Print Range section, select All pages.
4. Click OK to begin printing the book.

⇒ **Print a chapter or form in the *PowerBox User Guide***

1. Open the *PowerBox 3.1 User Guide* in Acrobat Reader.
2. Go to the Table of Contents and note the page range (From and To page numbers) for the chapter(s) or form you want to print.
3. In Acrobat Reader, select File > Print to display the Print dialog box.
4. In the Print Range section, click the Pages radio button.
5. Enter the starting and ending page numbers in the From and To fields.
6. Click OK to begin printing the chapter or form.




Copying and Pasting Text



⇒ Copy and paste text from the *PowerBox User Guide*

1. Click the Select Text tool, or choose Tools > Select Text.
2. Drag to select the text you want to copy.
3. Copy the text to the clipboard by pressing Ctrl+C, or choose Edit > Copy.
4. Switch to another application, such as Notepad.
5. Paste the copied text by pressing Ctrl+V, or choose Edit > Paste.

Documentation Conventions

Example	Description
HOME Guide Contents	Position the cursor on either of these items at the top of any page; a pointing-finger icon appears. Click the left mouse button to jump to the selected destination.
Blue text	Position the cursor on any blue text (hyperlink); a pointing-finger icon appears. Click the left mouse button to jump to the topic.
⇒ Search for User	All procedures (How To...) have titles marked with a green arrow. These sections offer step-by-step instructions for key tasks.
MANAGE MAILBOXES > MODIFY	Select the Manage Mailboxes menu and then select the Modify submenu or option.
CONTROL+N	Hold down the Control key and press lowercase <i>n</i> .
USER NAME FIELD	Menu titles, field labels on screens and dialog boxes, menu and submenu options, and button names are spelled with initial caps.
	Click on any PowerBox button image in this guide and you will jump to the page where the button's function is described. For example, clicking on the Main Menu button will always jump you to the section where this menu is described.

Copyright & Trademark Notices

PowerBox / Version 3.1

November 2000 Edition

Copyright © 2000 Autobahn Internet Services, Inc.

All rights reserved. No part of this publication may be reproduced, transmitted, stored in any retrieval system, or translated into any language, in any form or by any means, without prior written permission from Autobahn Internet Services, Inc. The information presented in this document is subject to change without notice.

PowerBox™ is a trademark of Autobahn Internet Services, Inc. All other product names are the property of their respective owners. .



For current information on PowerBox, see:

www.pwrbox.com

Autobahn Internet Services, Inc.
7150 SW Hampton Street / Suite 105
Portland, OR 97223
503-639-2727

PowerBox 3.1 Guide Contents

Home	1
Using This Online Guide	2
Fast Reference	2
ADDITIONAL REFERENCE	2
ON-CALL SUPPORT	3
Viewing This Guide	3
Navigating This Guide	4
Acrobat Mouse Shortcuts	5
Finding and Searching for Text	5
Printing Online Books	7
Copying and Pasting Text	9
Documentation Conventions	9
Copyright & Trademark Notices	10
1. Overview and System Startup	17
Welcome to PowerBox!	18
PowerBox System Architecture	19
Features Summary	20
Benefits Summary	21
Hardware Requirements	22
PowerBox System Setup Process	23
PowerBox Cofiguration Worksheet	24
PowerBox Cofiguration Worksheet	25
Install PowerBox	27
Initialize PowerBox.	29

Set Up Your Local Workstations	40
Setup Requirements for Windows Workstations	40
Setup Requirements for Macintosh Workstations	46
Main Menu	48
System Support	49
Resolving System Operation Problems	49
System Support Protocol	50
PowerBox Online Knowledge Base (KB)	51
PowerBox On-Call Support	51
PowerBox Service Contract	52
2. Manage Mailboxes	53
Manage Mailboxes Overview	54
Alias Mailboxes	54
Search for Mailbox	56
Create Mailbox	60
Remove Mailbox	62
Change Mailbox Name Information	64
Change Mailbox Password	66
Check Mailbox	68
Manage Mail Aliases	72
Modify Aliases	73
Remove Aliases	75
Add Aliases	76
3. Backup or Restore	78
Tape Control Buttons	80

Backup the System	82
Select Files to Restore.....	83
4. Manage Host Names and Addresses	87
Add Domain	89
Modify Domain	91
Remove Domain	95
Add Reverse Address Domain	97
Modify Reverse Domain.....	99
Modify Reverse Domain - 2	100
Remove Reverse Domain	102
View Domain Details	103
View Reverse Domain Details	105
Rebuild and Restart Name Server	107
5. System Administration	108
Reboot the System.....	110
Shutdown the System	111
Change DNS Servers	112
Restart DNS	114
Setup Mail Server	115
Restart Mail Server.....	117
Change NIC Settings	118
Set Time and Date	122
Get or Set Time and Date from Time Server	123

Add or Remove Time Servers	124
Set Time Zone	125
Set Time and Date Manually	126
Change Administration Password	127
Configure Hosts' Access	128
6. System Tools	130
Ping This Host	132
Trace Route to Host	134
Search the System Logs	135
Show Running Processes	136
Show Network Connections	138
Show Network Connections - 2	139
Show Disk Space Usage	141
Show System Uptime	142
Show Memory Usage	143
Show CPU Information	145
Show Network Interfaces	147
Show Routing Information	149
7. Firewall Administration	150
Restart Firewall	152
Restart Firewall - 2	153
Close Firewall	154
View Firewall Rules	155
View All Rules	156

View All Rules - 2	157
View Input Rules	159
View Output Rules	160
View Forward Rules	161
View Masquerade Rules	162
Simplified View Masquerade Rules	163
View Global (Default) Policies	164
Simplified Masquerade Configuration	165
Simplified Add Masquerade Rules	167
Simplified Remove Masquerade Rules	169
Advanced Firewall Configuration	171
Add Input Rules	172
Add Output Rules	175
Add Forward Rules	177
Remove Input Rules	179
Remove Output Rules	181
Remove Forward Rules	182
Remove Masquerade Rules	183
Modify Global Policies	184
Test IP Address Against Firewall	185
Technical Glossary & Notes	187
PowerBox Glossary	187
alias	188
DNS	188
Domain Name Service	188
domain	189
domain name	189
FQDN	191

IP address	191
name server	191
network	191
resolver	191
reverse address.....	191
reverse domain	192
subnet	192
UDP.....	192
URL.....	192
Notes: IP Addresses	194
The Network Part of the IP Address	195
The Local or Host Part of the IP Address	195
IP Address Classes and Their Formats.....	196
Relationship of the IP Address to the Physical Address	197
Static versus Dynamic IP Addresses	197
Notes: DNS	198



1

1. Overview and System Startup

Welcome to PowerBox!	18
Hardware Requirements	22
PowerBox System Setup Process	23
PowerBox Cofiguration Worksheet	24
PowerBox Cofiguration Worksheet	25
Install PowerBox	27
Initialize PowerBox	29
Set Up Your Local Workstations	40
Main Menu	48
System Support	49