

Atari System V

Developer's Guide

1991

*Atari Computer Corporation
Sunnyvale, CA 94089-1302*

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Contents

Overview	i
Atari System V Release Package	ii
How This Guide Is Arranged	ii
Using This Guide	iii
Adding a New Disk Drive	iii
Font Conventions And Symbols	iii
Chapter 1 Installation	
Unpacking	1-1
Required Hardware	1-1
Hardware Installation	1-2
System Installation	1-2
References	1-5
Chapter 2 Interacting with the Atari System V Graphical Interface	
Logging-In to the System	2-1
WlSh2 Windowing Shell	2-1
Mouse Buttons	2-1
Getting Help	2-2
Changing Your Password	2-2
Language Applications	2-3
Changing Console Settings	2-4
Console Configuration Window	2-4
Screen Saver	2-5
Keyboard Adjustments	2-5
Bell	2-5
Mouse	2-5
Key Click	2-6
Button Panel	2-6
Menu Bar	2-6
References	2-6
Chapter 3 Administrative Tasks	
Overview	3-1
Accounts and Groups	3-1
System Accounts	3-1
System Groups	3-1
Superuser Account	3-2

Contents, continued

User Accounts	3-3
Setting Account Passwords	3-5
Security	3-6
System Backups	3-6
Before Backup	3-6
Backup Commands	3-7
System Environment	3-10
Setting the Date and Time	3-11
System Processes	3-11
Run Levels	3-11
Localization and Internationalization	3-13
Installing a New Application	3-13
Installing a New Icon	3-14
X Window System Session Management	3-15
Preference Files	3-15
Command Shells	3-15
File Systems	3-16
Maintaining File Systems	3-19
Peripheral Devices	3-21
Serial Port Configuration	3-22
Serial Port Management	3-22
Port Monitor	3-22
TT Port Monitor Configuration	3-23
Serial Port Printer Configuration	3-24
Serial Port Modem Connection and UUCP System Support	3-24
Specifying a Connection Method to a Remote Machine	3-24
Adding a New Terminal Type	3-26
Adding a New Disk Drive	3-27
System Reconfiguration	3-33
Reconfiguration Details	3-37
Changing the Boot Preference	3-39
TOS Boot Preference	3-40
Atari System V Boot Preference	3-41
References	3-41
Chapter 4 Application Development	
Overview	4-1
Application Development Libraries	4-1

Contents, continued

Tools	4-2
Programming notes	4-2
Internationalized Application Development	4-3
Adding a Language to the System Environment	4-4
Application Implementation Guidelines	4-6
Atari Library	4-6
Atari Library Routines	4-9
Application Packaging	4-10
Device Drivers	4-11
Adding a Device Driver	4-12
Porting TOS/GEM Applications	4-13
Porting By Means Of XFaceMaker 2	4-13
Forms and Windows	4-13
Main Loop	4-14
References	4-15
Appendix 1 Atari-Specific Manual Pages	
Changes	A-1
Additions	A-1
Omissions	A-2
Appendix B Boot Text	B-1
Boot Text Output to the Console	B-1
Appendix C References	C-1
Appendix D GEM/Xlib Equivalents	D-1
Appendix E Atari Enhancements to Internationalization Standards	E-1

List of Figures

Figure 2-1	WISh2 Shell	2-2
Figure 2-2	Console Settings Window	2-4
Figure 3-1	Product Installation Window	3-14
Figure 3-2	Progress Window	3-14
Figure 3-3	File Tree Structure	3-17
Figure 3-4	File System Administration Window	3-19
Figure 3-5	UFS File System Options	3-19
Figure 3-6	NFS File System Options	3-19
Figure 3-7	File System Check Window	3-21
Figure 3-8	Kernel Configuration Window	3-34
Figure 3-9	Modules Window	3-35
Figure 3-10	Params Window	3-36
Figure 3-11	Parameter Change Dialog Box	3-37

List of Tables

Table 2-1	Mouse Buttons and Activities	2-2
Table 3-2	System Groups	3-2
Table 3-3	Active System Processes	3-12
Table 3-5	Peripheral Devices	3-22
Table 3-6	UCCP Database Files	3-25
Table 4-1	Atari System V Libraries	4-2
Table 4-2	Environment File Locales	4-5
Table 4-3	Atari System V Device Drivers	4-12

Overview

This is the documentation for the prerelease Atari System V to selected developers and user sites. It is intended as an installation guide, a system administrator's guide, a users' guide, and a programmer's manual.

Whether you're a software application developer or a system administrator—or both—this guide introduces you to Atari System V and helps you set up, maintain, and use the software system.

As a developer or administrator, you probably have the necessary familiarity with UNIX, C programming language, and shared libraries. You'll find recommendations for supplemental reading at the end of each chapter.

All information specific to Atari System V is included in the four chapters of this guide. The appendixes contain references you may find helpful while getting acquainted with and using Atari System V.

ATARI SYSTEM V RELEASE PACKAGE

You may have purchased the Atari System V for yourself as a standalone system or you may be responsible for installing it on a networked system. In any case, the package you receive includes the following:

- Atari System V Operating System
- X Window System Version 11, Release 4 for Atari System V
- OSF/Motif for the X Window System
- WISb2 (a graphical shell)
- Wx2 (a text editor)
- GNU C compiler, C++ compiler, and GNU debugger
- XFaceMaker 2 (an interactive graphical interface builder)
- Atari Applications Library

HOW THIS GUIDE IS ARRANGED

This guide is designed for experienced users, system administrators, and developers, whether you simply want to know how to get started on Atari System V as an applications user, or whether you expect to use the advanced features to develop your own applications. The guide includes the following:

- Chapter 1 "Installation" gives you unpacking tips, lists hardware requirements, and leads you through the steps for installing the software.
- Chapter 2 "Interacting with the Atari System V Graphical Interface" explains how to log in, introduces the WISb2 shell, gives you instructions on setting up your password, and tells you how to customize your working environment.
- Chapter 3 "Administrative Tasks" describes system processes and accounts, user accounts and applications, Atari tools, peripheral devices, file systems, and system reconfiguration.
- Chapter 4 "Application Development" tells how to develop an application, write a device driver, or port a GEM/TOS application to the Atari System V.

The appendixes contain useful reference material:

- Appendix A "Atari-Specific Manual Pages" is a list of the manual pages found on-line with Atari System V. The manual pages that were changed or omitted are also listed in order to indicate the differences between Atari System V and the AT&T System V, Release 4, 3B2 version.
- Appendix B "Boot Text" provides some sample listings of the text that appears on the system console when you boot the system.
- Appendix C "References" contains a list of the materials referenced in the guide.

Atari System V is based on Motorola 68000 hardware, but no UNIX System V documentation specific to this hardware interface is available. Instead, we have referenced the AT&T 3B2 documentation throughout this guide.

However, some portions of the AT&T documentation do not apply, and those cases have been noted in the margins.

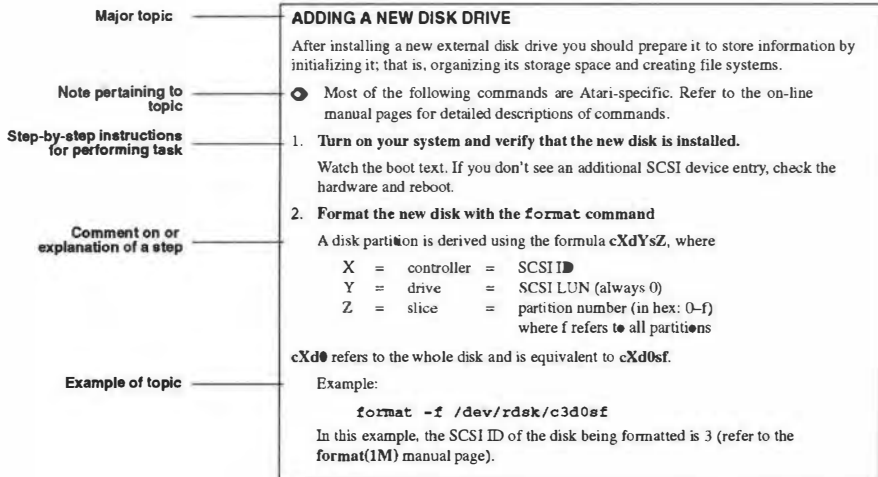
Appendix D "GEM—Xlib Equivalents" is a table to help you find Xlib functions that are equivalent to GEM functions when you port GEM/TOS applications to Atari System V.

Appendix E "Atari Enhancements to Internationalization Standards" contains a table of Atari System V functions and the corresponding XPG3 function.

Index

USING THIS GUIDE

You needn't read the chapter contents in a particular order. Following is an illustration that shows a typical structure for describing a process.



FONT CONVENTIONS AND SYMBOLS

The following font conventions and symbols are used throughout this guide.

bold	The text used for the steps in a process appear in bold .
<i>italics</i>	Names of directories and files appear in <i>italics</i> .
constant width	System output, such as screen messages, appears in constant width.
	User input, such as commands, options, and arguments appear in bold type, constant width .
<Return>	Input that does not appear on the screen when typed, such as passwords, tabs, or a carriage return, appears between angle brackets.

- <file name>** The words between angle brackets in examples of command lines explain what should be included when you use the command; i.e., your name, a file name, the date, etc.
- command(number)** A command name followed by a number in parentheses refers to the part of a system reference manual in which that command is documented.
- ◆ The rotated box symbol calls your attention to a special note.
- ◆ The diamond symbol indicates a choice of tasks or procedures.
- ▷ **Caution** Read the message following this warning carefully before proceeding.