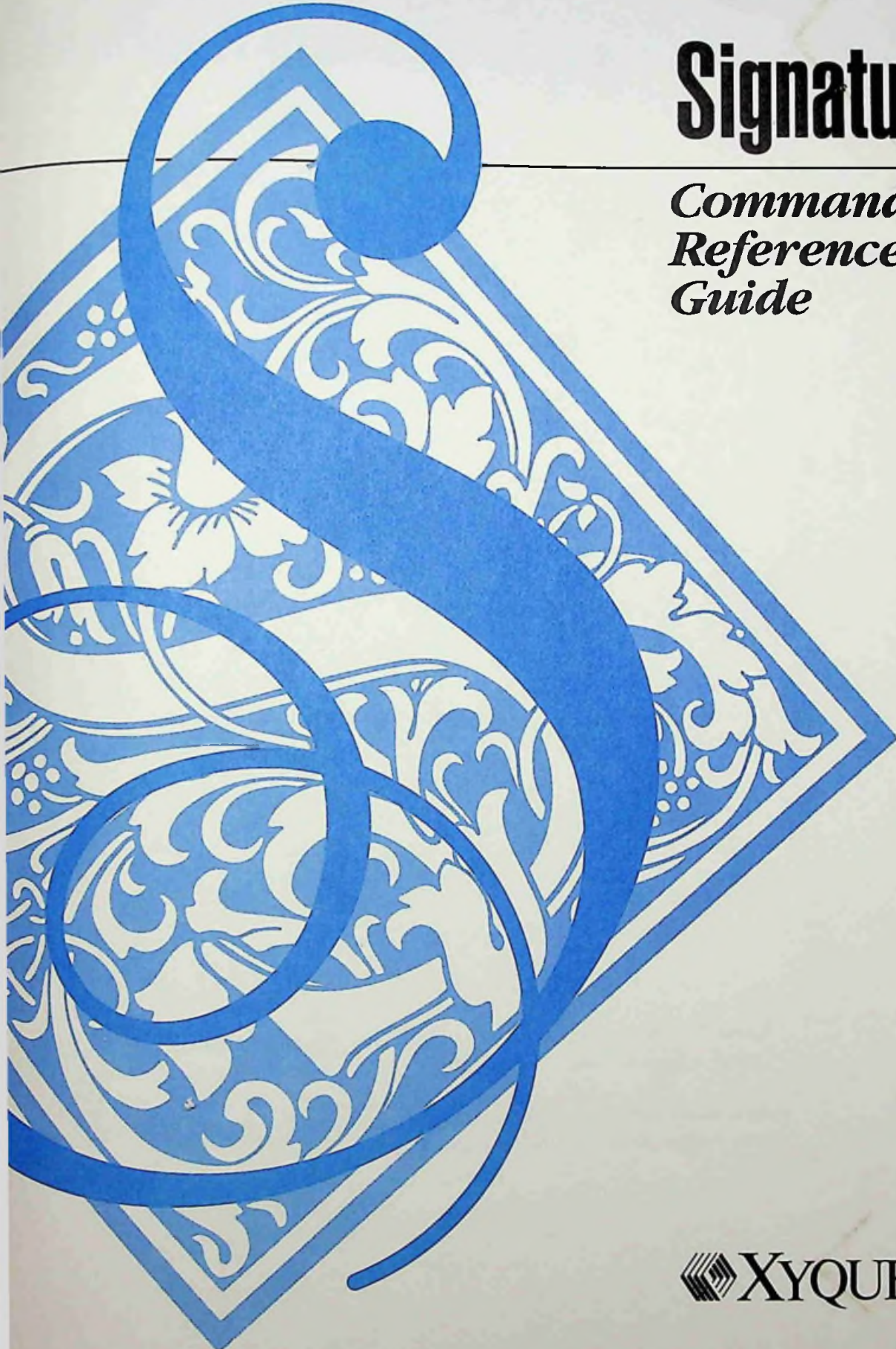



Signature

Command Reference Guide



 XYQUEST®

Copyright © 1991 by XYQUEST, Inc.
 First Edition, December 1991
 Document Control No. 002409-01
 ISBN 0-927923-26-2

ALL RIGHTS RESERVED
 XYQUEST reserves the right to make changes to this document
 without notice.

XYQUEST, Inc.
 44 Manning Road
 Billerica, MA 01821
 (508) 671-0888

Manual written and produced by Ruth Gray, Rose Intingaro,
 Douglas Kramer, and David Rigby

And many thanks to SK, CM, and those others whose comments
 have helped to make a better manual.

Foreword

Preface

1 Getting Started

- 1-1 What You Need
- 1-1 What You Get
- 1-3 About Signature Commands
- 1-3 About Signature Files
- 1-4 Getting Help

2 Filing

- 2-2 Overview
- 2-4 Setting the Default Drive
- 2-6 Clearing the Display
- 2-8 Appending One File to Another
- 2-9 Changing a File's Attribute
- 2-10 Calling a File to the Display
- 2-13 Changing the Current Directory
- 2-15 Copying a File
- 2-18 Deleting a File from Disk
- 2-20 Displaying a Directory
- 2-24 Displaying a Directory with Text
- 2-26 Running DOS Programs Under Signature
- 2-28 Running DOS Under Signature
- 2-31 Sorting the Directory
- 2-33 Returning to Signature from DOS
- 2-34 Finding a File
- 2-36 Stopping the Printer
- 2-37 Logging On and Off
- 2-39 Merging One File into Another
- 2-40 Creating a New File
- 2-43 Printing a File
- 2-48 Printing to a File
- 2-52 Printing to the Screen
- 2-55 Chain Printing
- 2-59 Quitting Signature
- 2-61 Reading a File
- 2-62 Renaming a File
- 2-63 Saving a File to Disk
- 2-63 Saving a Selected Block
- 2-66 Running Signature

- 2-68 Storing a File to Disk
- 2-70 Displaying Subdirectories
- 2-71 Waiting for the Printer
- 2-72 Converting a File Between Signature and RFT:DCA Formats

3 Editing

- 3-3 Basics of the Screen, Keyboard and Mouse
- 3-19 Editing Text
- 3-31 Case Commands
- 3-35 Math
- 3-39 Text Macro Keys
- 3-51 Search and Replace Text
- 3-67 Spelling Checker and Thesaurus
- 3-87 Windows
- 3-97 Word Count

4 Formatting

- 4-5 Overview
- 4-13 Alignment
- 4-21 Date & Time
- 4-27 Footnotes
- 4-47 Graphic Design Commands
- 4-67 Headers & Footers
- 4-71 Importing Files
- 4-87 Numbering
- 4-113 Page Length
- 4-131 Page Width
- 4-145 Printer Control
- 4-155 Styles
- 4-161 Type Style
- 4-169 Vertical Spacing

5 Special Features

- 5-3 Columns
- 5-15 Document Assembly
- 5-23 Fill-In Forms
- 5-31 Mail Merge
- 5-53 Redlining
- 5-63 Sorting
- 5-49 Table of Contents & Index
- 5-73 User Programming


6 Customizing


- 6-3 Loading Information into Memory
- 6-11 Default Settings
- 6-53 Variables
- 6-67 Keyboard File
- 6-91 Startup File

Index

Signature

*Technical
Reference
Guide*



 XYQUEST®

Signature Technical Reference Guide
 Copyright ©1992 by XYQUEST Inc.
 First Edition, March 1992
 Publication Number 002411-01
 ISBN 0-927923-27-0
 Printed in U.S.A.

ALL RIGHTS RESERVED
 XYQUEST reserves the right to make changes to this document without
 notice.

XYQUEST Inc.
 44 Manning Road
 Billerica, MA 01821
 (508) 671-0888

Written by Ruth Gray and Rose Intingaro with contributions from
 M.J. Austin, Bob Bamford, Susan Koenig, Doug Kramer, and
 Chris Madsen.

Preface

Advanced User Programming

3	Procedures for Advanced User Programming
6	Function Calls
7	Macros
8	SPL Commands
21	SPL Operators and Functions
23	Examples

Defaults

28	Default File
30	Default Command
32	Default Settings
65	Display Mode Colors
71	Customization Tables

Keyboard File

78	Modifying Keyboard Files
86	Function Calls

Menu and Help Files

104	Menu and Help File Frames
107	Linking Frames
109	Including Comments in a Menu or Help File
110	Displaying a Menu Bar
112	Creating a Pull-Down Menu
115	Creating a Dialog Box
136	Executing a Routine
137	Positioning Menu and Help Screens
138	Using Accelerator Characters in Menu Screens
140	Providing Context-Sensitive Help Screens
143	Displaying a Scrollable Help Screen
145	Including Text in Screen Borders
146	Displaying Detailed Explanations of Error Messages
147	Testing Dialog Boxes and Help Frames
148	Accessing a Menu Screen with One Keystroke
149	Accessing a Help Screen with One Keystroke
150	Loading Menu and Help Files

Printer Files

152	Basics of the Printer File
161	Printer File Heading
162	Printer Control Table
169	Counter String Table
170	Font Matching
171	Screen Font Assignments
173	Printer Font Assignments
175	Default Settings
177	Printer Settings
180	Character Mode Table
182	Graphics Settings
186	Terminator Strings
188	Vertical Spacing
189	Microjustification
192	Attribute Tables
193	Font Tables
198	String Operators
200	Width Tables
202	Substitution Tables

Sort File

204	Creating the Sort File
205	Sorting to a Sequence of Letters
205	Loading a Sort File

Variables

208	Value of Variable
209	VA Settings

Appendixes

A-1	Advanced Keyboard Functions
B-1	Terminate and Stay Resident Programs
C-1	Foreign Language Support
D-1	Reserved Signature Elements

The *Signature Technical Reference Guide* describes Signature functions that are beyond the scope of the *Signature Reference Guide*. It is intended for technical coordinators, office information technology managers, LAN administrators, and others with technical expertise.

The *Signature Technical Reference Guide* gives information and instructions on the following topics. Each section of the reference guide is self-contained so that you can read the sections in any order.

- **Advanced User Programming.** This section explains the procedure for using Signature Programming Language (SPL), and describes the commands and operators available to you.
- **Default File.** This section explains SETTINGS.DFL, Signature's default file. It also documents all the defaults available, as well as color settings and customization tables.
- **Keyboard File.** This section describes the procedure for modifying the Signature keyboard file and lists the available function calls.
- **Menu and Help Files.** This section gives you the information you need to customize the standard Signature files (SIG.MNU and SIG.HLP) or create your own.
- **Printer Files.** This section describes the basic construction of a printer file. You can use this information in conjunction with the documentation provided by the printer manufacturer to customize or create a printer file.
- **Sort Table.** This section gives you the information you need to create a sort table so you can modify the order in which Signature sorts data.
- **Variable Settings.** This section describes the VA (Value of Variable) command, which obtains the current value of a Signature setting. It also includes a list of system settings for which you can obtain values.


There are also four appendixes:

- **Appendix A. Advanced Keyboard Functions.** This appendix contains a description of some keyboard shortcuts that are designed for the advanced user.
- **Appendix B. Terminate-and-Stay-Resident Programs.** This appendix provides some tips on using TSR programs with Signature.
- **Appendix C. Foreign Language Support.** This appendix describes two features of Signature that are useful for foreign language applications: the accent table and uppercase table.



Signature

*Programming
Language
User's Guide*

 XYQUEST®

Signature Programming Language User's Guide
 Copyright © 1992 by XYQUEST Inc.
 First Edition, January 1992
 Publication Number 002409-01
 ISBN 0-927923-24-6
 Printed in the U.S.A.

ALL RIGHTS RESERVED
 XYQUEST reserves the right to make changes to this document
 without notice.

XYQUEST Inc.
 44 Manning Road
 Billerica, MA 01821
 (508) 671-0888

Written by Rose Intingaro with contributions from Tom Atwood,
 Tim Baehr, Jason Balliet, Lucas Gonze, Ruth Gray, Susan Koenig,
 Doug Kramer, Chris Madsen, and Claire Toupin.

Preface	Preface-1
Conventions.....	Preface-2
Glossary	Preface-3
Introduction	Introduction-1
Part 1. Tools of the Trade.....	1-1
Function Calls	1-2
Blank the Command Line (BC) Function Call	1-3
Blind Execute (BX) Function Call	1-3
Escape (ES) Function Call	1-4
Searching for Function Calls	1-4
Macros	1-5
Saving an Expression (SX)	1-7
Saving a Literal String (SV)	1-8
Saving a String as a Subroutine (SU)	1-9
Displaying the Contents of a Macro (PV and GT)	1-9
Using a Macro in an Expression (PV and IS).....	1-10
Extracting Part of a Macro (XS).....	1-12
Attaching Values to a Macro as a Default.....	1-14
Loading a Program to a Key	1-14
Displaying a Macro on the Status Line.....	1-15
Saving a Macro to a File.....	1-16
Clearing Macros	1-16
Flow Control Commands	1-17
Labeling a Point in the Program (LB)	1-17
Going to a Specific Point in the Program (GL)	1-17
Using IF Statements.....	1-18
Exiting a Program	1-19
Commands that Return Values	1-20
Reading Keyboard Input	1-20
Testing for Errors	1-20
Checking for Filenames	1-21
Reading Current Cursor Position.....	1-21
Reading Current Column Location.....	1-22
Passing Information from the Command Line	1-22
Passing Information to STARTUP.INT	1-24
Reading the Current Value of a Variable	1-24
Miscellaneous SPL Commands	1-27
Switching Windows to an Open File	1-27
The Beep Command	1-27
Displaying a Message from within a Program.....	1-27
Replacing a String without Opening a File.....	1-28

Relational Operators1-30

Arithmetic Operators1-32

Logical Operators1-33

 Using AND1-33

 Using OR1-33

 Using Exclusive OR1-33

 Using NOT1-34

String Functions.....1-35

 Converting Letters to Uppercase1-35

 Returning the Number of Characters in a String1-35

 Converting a Function Call to Its Two-Letter Mnemonic1-36

 Stripping Punctuation and Letters from Strings1-36

 Eliminating Fractions from Numeric Strings1-37

String Operators.....1-38

 Concatenating Strings1-38

 Locating a String within Another String1-38

Debugging Procedures1-40

 Using the SPL Debugger.....1-40

 General Debugging Tips.....1-41

Part 2, Common Applications2-1

 Using IF Statements2-2

 Comparing Macros2-2

 Detecting an Error during Execution.....2-2

 Monitoring Keyboard Input2-4

 Using a Terminating Character2-4

 Using a Counting Method2-6

 Displaying a Selective Directory2-9

 Specify the Selection Criteria as a Default.....2-9

 Display the Directory2-10

Part 3, Program Examples3-1

 Branching (NUMBER.PGM)3-2

 Demonstration.....3-2

 Description3-2

 Flowchart3-3

 Code and Explanation.....3-4

 Conditions and Limitations3-4

 Passing Information from the Command Line (MERGE.PGM).....3-5

 Demonstration.....3-5

 Description3-5

 Flowchart3-6

 Code and Explanation.....3-7

 Conditions and Limitations3-9

Using Cursor Position and Column Location to Draw a Line (LINE.PGM).....3-10

 Demonstration.....3-10

 Description.....3-10

 Flowchart3-11

 Code and Explanation.....3-13

 Conditions and Limitations3-16

Locating One String within Another String (DRIVE.PGM).....3-17

 Demonstration.....3-17

 Description.....3-17

 Flowchart3-18

 Code and Explanation.....3-19

 Conditions and Limitations3-21

Forcing an Error to Stop a Loop (SPACE.PGM)3-22

 Demonstration.....3-22

 Description.....3-22

 Flowchart3-23

 Code and Explanation.....3-24

 Conditions and Limitations3-24

Evaluating Keyboard Input and Branching (CLEAN.PGM)3-25

 Demonstration.....3-25

 Description.....3-26

 Flowchart3-27

 Code and Explanation.....3-28

 Conditions and Limitations3-30

Defining Keyboard Input and Joining Strings (INPUT.PGM)3-31

 Demonstration.....3-31

 Description.....3-31

 Flowchart3-32

 Code and Explanation.....3-33

 Conditions and Limitations3-35

Using a Terminator to End Keyboard Input (TERMINAT.PGM).....3-36

 Demonstration.....3-36

 Description.....3-36

 Flowchart3-37

 Code and Explanation.....3-38

Part 4, Tips4-1

Appendix A, SPL Commands and Operators Reference Chart

Appendix B, Signature Function Calls

Appendix C, VA Command Settings

Appendix D, From BASIC to SPL

Index