

# **8:16 USER'S GUIDE**

**Volume 1**

**8:16 Operator's Guide (MS-DOS)**

**MS-DOS Guide (MS-DOS)**



Putting solutions  
where the problems are.

**Attaché™**  
Portable Computer by Otrona

**95-051266**

# How to USE this Guide

Attache 8:16 documentation consists of "user's guides" packaged in two separate books called Volume 1 and Volume 2. Generally, manuals in Volume 1 apply to MS-DOS and manuals in Volume 2 apply to CP/M. The exceptions are the Valet Guide and Software Guide, which apply for either operating system.

The contents of User's Guide Volumes 1 and 2 are as follows:

## Volume 1

8:16 Operator's Guide (MS-DOS)	MS-DOS Guide (MS-DOS)
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## Volume 2

Operator's Guide (CP/M)	Valet Guide (MS-DOS and CP/M)
Software Guide (MS-DOS and CP/M)	Charton Guide (CP/M)
CP/M Guide (CP/M)	

The general contents of these manuals are described on the following pages. Use these pages as a master reference guide to the entire manual set. Note that each user's guide contains its own comprehensive glossary and index for easy reference.

Other Attache 8:16 publications not described here include:

- o Attache Technical Manual and 8:16 Supplement
- o Attache Service Guide and 8:16 Supplement
- o Attache GPIB/Multifunction Technical Manual
- o MS-DOS Programmer's Guide (with Macroassembler)
- o Attache CP/M and MS-DOS BIOS Listings
- o Attache WordStar-Plus and Multiplan Manuals

The Technical Manual, GPIB/Multifunction Technical Manual, MS-DOS Programmer's Guide, and BIOS Listings may be purchased from your dealer. The Service Guide is sent to you free by Otrona when you return your Owner's Warranty and Registration cards. The WordStar-Plus and Multiplan manuals are included with purchase of those software systems.

## 8:16 Operator's Guide (MS-DOS)

The 8:16 Operator's Guide contains instructions for setting up and operating Attache 8:16 with MS-DOS.

### Chapter 1 - Introduction

Basic computer concepts  
8086 and 280A dual processors  
MS-DOS and CP/M compatibility  
8:16 and IBM-PC compatibility  
Attache 8:16 components  
Power cords and voltages  
Fuses and clock batteries

### Chapter 2 - Getting Started

Setting up the unit  
Turning on the power  
Inserting diskettes  
Booting MS-DOS  
Turning the system off  
Using the dual processors  
Changing diskettes  
Displaying the file directory  
File naming conventions

### Chapter 3 - Diskettes

Diskettes to use  
Diskette handling procedures  
Formatting blank diskettes  
MS-DOS and CP/M formats  
Making duplicate diskettes  
Using IBM-PC software diskettes  
96 TPI diskette drive option

### Chapter 4 - Keyboard

Typewriter and modifier keys  
Multi-function keys  
10-key Mode and Set-Up Mode  
WordStar Mode and IBM-PC Mode  
Keyboard templates

### Chapter 5 - Ports

Attache's serial ports  
Cable connection  
Baud rate selection  
Cable wiring specifications  
IBM-PC compatibility

### Chapter 6 - Programmer Reference

Accessing the display driver  
Color monitor compatibility  
Cursor and erase functions  
Keyboard reassignment  
ASCII Mode and IBM-PC Mode  
IBM-PC Codes and Conversion  
Accessing the sound generator  
MS-DOS interrupts

### Appendixes

Technical specifications  
Glossary and index

# MS-DOS Guide

The MS-DOS Guide contains information about the MS-DOS operating system and detailed instructions for using DOS utility programs.

<b>Chapter 1 - Introduction</b>	Operating system overview Commands and functions summary Syntax notation and DOS files
<b>Chapter 2 - Getting Started</b>	Booting MS-DOS Format and copy diskettes Files and the file directory
<b>Chapter 3 - Files</b>	Filenames Wild cards Directories and subdirectories Paths
<b>Chapter 4 - More about Commands</b>	Command options Batch processing Automatic program execution Redirecting output Filters and command piping
<b>Chapter 5 - DOS Commands</b>	DOS command summary Individual DOS commands
<b>Chapter 6 - Function Keys</b>	Editing keys Control character functions
<b>Chapter 7 - EDLIN</b>	Line editor overview Special editing keys EDLIN commands
<b>Chapter 8 - File Comparison</b>	File Compare (FC) command Command options FC reporting and examples
<b>Chapter 9 - Configuration</b>	Changing CONFIG.SYS Device drivers and headers Strategy and interrupt routines Function call parameters
<b>Appendixes</b>	ANSI escape sequences Single drive systems Disk errors MS-DOS technical information Control blocks and work areas MS-DOS command reference tables Function request summary Glossary and index

# **Attache Operator's Guide (CP/M)**

The Attache Operator's Guide contains instructions for setting up and operating Attache 8:16 with CP/M.

<b>Chapter 1 - Introduction</b>	Basic computer concepts Attache components Power cords and voltages Fuses and clock batteries Maintenance requirements
<b>Chapter 2 - Getting Started</b>	Setting up the unit Turning on the power Inserting diskettes Booting CP/M Changing diskettes Changing the logged drive
<b>Chapter 3 - Diskettes</b>	Diskettes to use Diskette handling procedures Formatting blank diskettes Software installation File naming conventions CP/M disk error messages
<b>Chapter 4 - Keyboard</b>	Typewriter and modifier keys Multi-function commands Set-Up Mode 10-key emulation keys
<b>Chapter 5 - Ports</b>	Attache's serial ports Cable connection Baud rate selection Cable wiring specifications Pin connections
<b>Chapter 6 - Programmer Reference</b>	CMOS RAM locations Escape codes Screen attributes Character sets ASCII codes Terminal emulation SIO initialization I/O port locations Clock and synthesizer
<b>Appendixes</b>	Technical specifications Glossary and index

# Software Guide

The Software Guide contains instructions for using Attache utility programs for CP/M and the Disk Manager program with CP/M or MS-DOS.

## Chapter 1 - Introduction

- Attache software programs
- Attache program files

## Chapter 2 - Utility Programs

- Set the clock
- Change port protocol
- Automatic program load
- Re-execute last program
- List directory and file size

## Chapter 3 - Disk Manager

- Copy an entire diskette
- Format a diskette
- Copy CP/M
- Copy a file
- Rename a file
- Delete a file
- View a file
- Print a file

## Appendixes

- Glossary and index

# CP/M Guide

The CP/M Guide contains information about the CP/M operating system and detailed instructions for using CP/M utility programs.

## Chapter 1 - Introduction

Basic computer concepts  
Command mode  
Filenames and file types  
Wild card matching characters

## Chapter 2 - Basic Commands

DIR - Directory display  
ERA - Erase a file  
REN - Rename a file  
TYPE - Type a file  
STAT - System status display  
PIP - Copy a file  
SUBMIT - Execute batch commands  
XSUB - Insert SUBMIT variables

## Chapter 3 - Device Assignment

STAT device options  
PIP device options  
USER options

## Chapter 4 - Program Development

Memory organization  
ASM - Assembler  
DDT - Dynamic Debugging Tool  
Ed - Text Editor

## Chapter 5 - Error Messages

CP/M error messages  
Recovery options

## Appendixes

Command summary reference  
Glossary and index

# Valet Guide

The Valet Guide contains detailed instructions for using the Valet time/resource management system.

<b>Chapter 1 - Introduction</b>	Set-up and Main Menu functions Valet files
<b>Chapter 2 - Set-Up Mode</b>	Display time and date Vary screen brightness Vary keyboard volume Vary keyboard sound Vary printer port baud rate Vary comm port baud rate Set the clock
<b>Chapter 3 - Alarms</b>	Alarm types Messages Commands Setting alarms Answering alarms Cancelling alarms
<b>Chapter 4 - Screen Dump</b>	Screen dump options Activating screen dump
<b>Chapter 5 - Printer Installation</b>	Installing Printers Printer settings
<b>Chapter 6 - Calculator</b>	Activating the calculator Number and function keys Memory registers Storage registers Scientific notation Calculator examples
<b>Appendixes</b>	Glossary and index



# Charton Guide

The Charton Guide contains detailed instructions for learning and using the Charton business graphics system, including bar charts, line charts, and pie charts.

## Chapter 1 - Introduction

- Charton functions
- Charton files
- Activating Charton
- Charton Main menu
- Create new charts
- Display existing charts

## Chapter 2 - Bar Charts

- Create new bar charts
- Save bar charts
- Print bar charts
- Display existing bar charts
- Revise bar charts

## Chapter 3 - Line Charts

- Create new line charts
- Save line charts
- Print line charts
- Display existing line charts
- Revise line charts

## Chapter 4 - Pie Charts

- Create new pie charts
- Save pie charts
- Print pie charts
- Display existing pie charts
- Revise pie charts

## Appendixes

- Glossary and Index