EPSON



Q8294007-0 Y130990002

OPERATION MANUAL

NOTICE:

- * All rights reserved. Reproduction of any part of this manual in any form whatsoever without EPSON's express written permission is forbidden.
- * The contents of this manual are subject to change without notice.
- * All efforts have been made to ensure the accuracy of the contents of this manual.

 However, should any errors be detected, EPSON would greatly appreciate being informed of them.
- *The above notwithstanding, EPSON can assume no responsibility for any errors in this manual or their consequences.

© Copyright 1983 by EPSON CORPORATION. Nagano, Japan

INTRODUCTION

Congratulations on your purchase of the QX-10, a small business computer which offers unprecedented performance and flexibility for a computer in its class. With its MultiFonts CP/M® operating system and powerful MultiFonts BASIC language, the QX-10 accomodates a wide range of programs and peripheral equipment which can make it an indispensable member of your office family, whether used for text editing, scientific calculations, or conventional data processing. In its basic configuration, the QX-10 provides 192K bytes of user memory; this can be expanded to up to 256K bytes through the addition of expansion memory. It has three standard interfaces for telecommunications and peripheral equipment, as well as five option slots to allow the addition of interface cards for a variety of specialized equipment. Your QX-10 can also be equipped with an interface for a color display monitor.

This manual covers all of the basic hardware configurations of the QX-10 up to its maximum memory capacity of 256K bytes, as well as the standard interfaces, the color display interface, and the MultiFonts CP/M operating systems. MultiFonts BASIC for the QX-10 is described in the QX-10 MultiFonts BASIC Reference Manual. Chapters 1 to 3 describe the hardware and optional equipment and procedures for unpacking the QX-10 and setting it up, and explain how to power up the QX-10 under the CP/M operating system. Chapters 4 and 5 introduce the MultiFonts CP/M operating system and explain use of the MultiFonts CP/M commands. Chapter 6 describes the various standard interfaces and the color display interface. Chapter 7 goes into more detail with descriptions of CP/M's basic disk operating system and basic input/output system interface. Specifications, details on the eight international character sets provided, and MultiFont style selection, and use of the QX-10 diagnostic programs are covered in the Appendices.

To ensure that you get off to a smooth start, be sure to read Chapters 1 to 3 with particular care.

NOTES:

- 1. CP/M[®] is a registered trademark of Digital Research™.
- 2. MultiFonts BASIC (Copyright 1982 Microsoft and Epson) is software developed by Epson which is upward compatible with the BASIC-80 specifications of Microsoft, Inc.

CAUTION

Do not use power cables other than the one supplied.

TABLE OF CONTENTS

Chapter 1 SYSTEM CONFIGURATION	
1.1 Basic System	1-1
1.2 Special Keys	
1.3 Expanded Configuration	
Chapter 2 UNPACKING/SETUP INSTRUCTIONS	
Chapter 3 OPERATION OF THE QX-10	
3.1 Flexible Disks	3-1
3.2 System Activation	3-3
3.3 Copying the System Disk	3-5
3.4 Initialization	3-6
3.5 The QX-10 Diagnostic Programs	3-7
Chapter 4 EPSON MULTIFONTS CP/M	•
4.1 Introduction	4-1
4.2 Starting MF CP/M	
4.3 System Files	
4.4 CP/M Operation Mode	
4.5 CPM BDOS Error Messages	
Chapter 5 CP/M COMMANDS	
5.1 Control Key Commands	5-1
5.2 Built-in Commands	
5.3 Standard Transient Commands	
5.4 Transient Commands Unique to the QX-10	
5.5 Others	
Chapter 6 PERIPHERAL INTERFACES AND OPTIONS	
6.1 Printer Interface	6-1
6.2 Light Pen Interface	
6.3 Serial Communication Interface	
6.4 Color Display Interface	
6.5 Optional RAM Chips	
6.6 MultiFonts Character Generator ROM Card	
6.7 Printers	

7.1 7.2	BDOS Fun BIOS Inter DICES Hardware	nd File Co ction Call face Specifica configure	tions d by MOV	k (FCB)		•••••••••••••	7-3	
D. E. F. G. H. I. J. K. L.	Internation Layout of Multiple I	of BDOS of BIOS agnostic I Characternal Characternal Char	Call Call Programs or Generate acter Sets age Keyboa e Selection		rd			
M.	Character	Code Ta	bles					
M.	Character	Code Ta	bles					
M.	Character	Code Ta	bles					