Multiuser BASIC-2 Operating System
Release 3.4
Customer Software Release Notice
CS
Multiuser BASIC-2
Operating System
Release 3.4
Customer Software Release Notice

1st Edition — April 1990
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PREFACE

This customer software release notice describes the changes and new features of Release 3.4 of the Wang Multiuser BASIC-2 Operating System.

Intended for all users, this release notice is organized as follows:

- Chapter 1 provides a summary of features and the necessary requirements.
- Chapter 2 explains the new enhancements.
- Chapter 3 details the corrected problems.
- Chapter 4 explains the special considerations.
- Chapter 5 discusses the media contents.

CHAPTER 1
INTRODUCTION TO RELEASE 3.4

OVERVIEW

This chapter provides an introduction to Release 3.4 of the Multiuser BASIC-2 Operating System. It includes a summary of features and the necessary requirements.

SUMMARY OF FEATURES

The Wang Multiuser BASIC-2 Operating System is designed for interactive programming and ease of use. Release 3.4 of the Multiuser BASIC-2 Operating System is a general release. It supplies added features and corrects previously reported problems.

Release 3.4 provides the following features:

- $PACK/$UNPACK command
- BIN and VAL functions
- FORMAT utility enhancements
- Enhancements to the MKE

You can install Release 3.4 yourself. Follow the instructions for installing the operating system described in the introductory or user manual supplied with your CS/2200 system.

HARDWARE REQUIREMENTS

In order to use Release 3.4, the following hardware is required:

- A Wang CS, CS-D, or 2200 MVP, LVP, SVP, or MicroVP with 28 kilobytes (KB) of control memory
- A 2200 terminal
- A diskette drive
CHAPTER 2
ENHANCEMENTS

OVERVIEW

This chapter discusses the added features provided in Release 3.4. For more details, refer to the updated BASIC-2 Utilities Reference Manual.

ENHANCEMENTS OF RELEASE 3.4

Release 3.4 provides enhancements to the operating system and the MXE.

Operating System

Release 3.4 provides the following enhancements to the operating system.

$PACK/$UNPACK

The $PACK/$UNPACK command is used to pack numeric values (decimals) within a binary overflow format. Additionally, the $PACK/$UNPACK command can be used to compress the alphanumeric format.

BIN and VAL Functions

The BIN and VAL functions are used to specify the length of a command string specified be variable.

FORMAT Utility

An option has been added to the FORMAT utility to allow the user to format a diskette in DOS format.
Release 3.4 provides the following enhancements to the MXE:

Improved Performance -- The performance of the MXE is now similar to the MXD. However, the MXE still includes a real-time clock and telecommunications (TC) capabilities not found on the MXD.

38.4 KB Terminal Communication -- Release 3.4 now provides the capability of using your MXE terminal at 38.4 KB asynchronous. The new Model 2536DW terminal can be selected to run at 38.4 KB.
CHAPTER 3
CORRECTED PROBLEMS

OVERVIEW

This chapter discusses the problems corrected in Release 3.4.

PROBLEMS CORRECTED IN RELEASE 3.4

In addition to new features, Release 3.4 corrects reported problems to the operating system and the MXE.

Operating System

There were no problems to correct in the operating system in Release 3.4.

MXE

The following problem was corrected in the MXE:

Hesitation -- When you print to port 204, the system hesitates (or slows down) while printing to the port 204 printer. Release 3.4 corrects the system hesitation if the terminal is set at 38.4 KB.
CHAPTER 4
SPECIAL CONDITIONS

OVERVIEW

This chapter discusses the various special conditions and a possible solution associated with Release 3.4.

SPECIAL CONDITIONS

The following condition is present with Release 3.4:

Printer Driver -- If you use a background printer task to port 204 the system will not use the printer driver.
CHAPTER 5
MEDIA CONTENTS

OVERVIEW

This chapter discusses the media contents of Release 3.4. It details how the release is supplied and what files have been added or changed to the system platter.

MEDIA CONTENTS OF RELEASE 3.4

The system platters provided with Release 3.4 include the operating system and the BASIC-2 language processor, the system diagnostics, and the system utilities. This new release updates some of the existing files and adds new ones.

Release 3.4 is supplied as follows:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Number of Diskettes</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>295-0049-3F</td>
<td>2</td>
<td>8-inch Single-Sided Single-Density 2270A diskettes</td>
</tr>
<tr>
<td>295-0049-5F</td>
<td>1</td>
<td>8-inch Double-Sided Double-Density 2200 LVP/SVP diskette</td>
</tr>
<tr>
<td>295-0049-9F</td>
<td>2</td>
<td>5 1/4-inch Double-Sided Double-Density 2275/DS diskettes</td>
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The following files are included with Release 3.4:

<table>
<thead>
<tr>
<th>FileName</th>
<th>Type</th>
<th>Function</th>
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</thead>
<tbody>
<tr>
<td>@BACKUP</td>
<td>Program</td>
<td>BACKUP utility</td>
</tr>
<tr>
<td>@BOOT</td>
<td>Program</td>
<td>Menu for bootstrap</td>
</tr>
<tr>
<td>@CLOC</td>
<td>Program</td>
<td>Initialize date and time</td>
</tr>
<tr>
<td>@DAVFU</td>
<td>Program</td>
<td>Vertical Format Control utility</td>
</tr>
<tr>
<td>@FORMAT</td>
<td>Program</td>
<td>Format disk platter</td>
</tr>
<tr>
<td>@GENPART</td>
<td>Program</td>
<td>Partition Generator</td>
</tr>
<tr>
<td>@INSTALL</td>
<td>Program</td>
<td>System install</td>
</tr>
<tr>
<td>@MENU</td>
<td>Program</td>
<td>System menu program</td>
</tr>
<tr>
<td>@MODSYSF</td>
<td>Program</td>
<td>Convert system configuration file</td>
</tr>
<tr>
<td>@MOVE1</td>
<td>Program</td>
<td>Overlay for @MOVEFIL and @INSTALL</td>
</tr>
<tr>
<td>@MOVEFIL</td>
<td>Program</td>
<td>Move file</td>
</tr>
<tr>
<td>@PSTAT</td>
<td>Program</td>
<td>Partition status</td>
</tr>
<tr>
<td>@RECOVER</td>
<td>Program</td>
<td>Recover from backup</td>
</tr>
<tr>
<td>@SYSMVPM</td>
<td>Program</td>
<td>Menu for System Utilities</td>
</tr>
<tr>
<td>@TO.CREO</td>
<td>Program</td>
<td>Load or create a reference file</td>
</tr>
<tr>
<td>@TO.CREF</td>
<td>Program</td>
<td>Create reference file</td>
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<td>@TO.DISK</td>
<td>Program</td>
<td>Copy to disk</td>
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<td>@TO.SUBS</td>
<td>Program</td>
<td>Overlay for @TO.DISK/IMAGE</td>
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<tr>
<td>@TOIMAGE</td>
<td>Program</td>
<td>Copy to disk image</td>
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<td>Data</td>
<td>System menu support</td>
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<td>@</td>
<td>Data</td>
<td>MVP system menu</td>
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<td>@DATE</td>
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<td>Date file</td>
</tr>
<tr>
<td>@DM50/V0</td>
<td>Data</td>
<td>Printer driver</td>
</tr>
<tr>
<td>@LASRJY1</td>
<td>Data</td>
<td>Printer driver</td>
</tr>
<tr>
<td>@MVP</td>
<td>Data</td>
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<td>@MXE0</td>
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<td>@PM010V2</td>
<td>Data</td>
<td>Printer driver</td>
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<td>@PM060V0</td>
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<td>@SYSFILE</td>
<td>Data</td>
<td>MVP configuration file</td>
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<tr>
<td>@DG</td>
<td>Program</td>
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</tr>
<tr>
<td>@MRTIAN</td>
<td>Program</td>
<td>Game</td>
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a These files have been revised.
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