Romeo & Juliet README file

Release 1.00 Demonstration Version

A note for TOOLBOOK Authors

You may encounter errors such as: "Cannot find startup system book ...." - this is due to the fact that your MTB30.INI file (usually in the Windows directory) contains some entries which Romeo & Juliet does not need. You can edit the MTB30.INI file with an editor such as Notepad and remove the line "startupSysBooks=....

There could also be problems if you have previously installed TOOLBOOK and then deleted it or moved it. The ASYM.INI file (in the Windows directory) should be edited or even better - deleted. Then run the setup program from the CD-ROM to re-install Romeo & Juliet.

Systems with more than one CD-ROM drive

Normally the Shakespeare CD-ROM will expect to find the data and programs in the same drive that it was installed from. If you wish to change this at a later date, you can edit the file SHSPEARE.INI (found in the Windows directory). This file contains references to "CD-ROM drive". Change this to the appropriate letter for your system.

Windows fonts used in this product

Romeo & Juliet and The Life of Shakespeare use certain default Windows fonts. These fonts will normally be installed on a standard Windows system. If, for any reason, you have removed these fonts, text will NOT display correctly. The Shakespeare CD-ROM uses: Times New Roman, MS Sans Serif and Small Fonts. If any text display problems occur you must re-install Windows to re-establish the standard fonts.

Improving performance

Romeo & Juliet uses your computer's memory (RAM) to display pictures and play music. If it runs slowly or you see out-of-memory errors, Romeo & Juliet may not have enough memory. We recommend that this software runs on a 486DX with 8 or more megabytes of RAM. It is possible to run Romeo & Juliet on a 386SX but, frankly it will be very slow! Below are some ideas to make Romeo & Juliet run faster:

***** Close all applications you aren't using

***** Set up a permanent Windows swap file. If you are running Windows in 386 Enhanced Mode (look in the Help About menu of Program Manager if you are not sure), set up a permanent Windows swap file on your hard disk. To set up a permanent Windows swap file on your hard disk, open Windows Control Panel (usually in the "Main" program group of Program Manager), and click on the icon "386 Enhanced." Then use the "Virtual Memory" button to see whether your current swap file is temporary or permanent, to check the size of the current swap file, and to make changes. Windows usually creates a temporary swap file by default, but if your disk is full or fragmented, this temporary file can become unavailable. This can effect performance, since Windows works best when it has allocated hard disk space to use at any time for swapping a file in or out of your computer's memory. It is therefore best to set up a permanent swap file, and to make the size of the permanent swap file at least 2048K. Note that you will get better performance if the permanent swap file is set to 3072K or larger. Look at the Help menu of the Windows Control Panel or in your Windows documentation for more information.

* Alter your display mode to run Romeo & Juliet in 256 colours. (See the section 'The pictures don't look very good' below)

* Defragment or optimize your hard disk by running a defragmentation program. Some of the more popular of these are PC Tools, Norton Utilities and Mace Utilities.

* Add more RAM (memory) to your computer. You can determine how much memory is available by starting MS-DOS, typing "msd" and pressing ENTER. This starts a small program that will tell you how much memory you have. You need at least four megabytes (sometimes listed as 2048 kilobytes or KB) of RAM, and at least four megabytes in your hard disk's Windows swap file to run Romeo & Juliet. However, eight megabytes (8MB) of RAM is highly recommended for optimum performance of Romeo & Juliet. If your computer has 4MB of RAM, adding RAM is one of the best ways to improve performance. Please see your computer dealer for information on buying and installing RAM on your computer.

* For more details on improving performance consult your Windows manual.

The pictures don't look very good

Many video cards can operate in more than one display mode such as 16, 256 or 32,768 colour display mode. If your video card is capable of a display mode with more than 16 colours, you can run Windows Setup (usually in the Main program group in Windows Program Manager) to check your current display settings, and to change the display mode to see Romeo & Juliet with better image quality. Romeo & Juliet will look best and perform better in a display mode that shows 256 colours. Displaying more colours will often slow the machine down; Romeo & Juliet contains 256 colour pictures, so it won't look any better using a display card configured with 32K or more colours. Please check the manual that came with your video card or personal computer for information on how many colours your video card can display (while maintaining at least a VGA resolution of 640 x 480 or higher) before attempting to change your display setting in Windows Setup.

Troubleshooting tips: Video display cards and display problems

In some situations Romeo & Juliet may encounter display problems when using high resolution video drivers from various video card manufacturers. Problems usually result in the images and/or video in Romeo & Juliet being displayed in the wrong colours; rarely an error will occur in the video driver and Romeo & Juliet may not start up. This problem can often be fixed by obtaining updated drivers from your video card manufacturer. Make sure the video drivers you are using were designed to be compatible with Windows version 3.1.

An alternative to obtaining a new or updated display driver is to change your video mode to a standard video mode such as 640 x 480 resolution, with as many colours as your video card can support at that resolution. To use Romeo & Juliet while waiting for an updated video driver from your video card manufacturer, you can use the standard VGA driver that comes with Windows. This display mode is only 16 colours and some images may not look as well as they would in 256 colours. Also, image display takes slightly longer when running in 16 colour mode. For instructions on installing that, please see Help within Windows Setup in the Main program group in the Windows Program Manager.

One problem you may encounter is within an area such as "Language". The title Romeo & Juliet should be transparent, using a chromakey of white. If this appears on a white background it means that your video card and/or driver is NOT working correctly.

Windows desktop wallpaper
We recommend that you do NOT use 256 colour bitmaps for your desktop wallpaper. This should be disabled from the Control Panel, Desktop icon, by setting Wallpaper to "none".

Screen savers
We recommend that you do NOT use a screen saver when using Romeo & Juliet. This should be disabled from the Control Panel, Desktop icon, by setting Screen Saver to "none".

Video sizing problems
To ensure that the video is playing at the correct size check that your WIN.INI file in the Windows directory does not have an entry in the [MCIAVI] section such as:

DefaultVideo=240 Line Fullscreen
or
ZoomBy2=1

To play video at the intended size for Romeo & Juliet the entry in the WIN.INI should be as follows:

[MCIAVI]
DefaultVideo=Window
ZoomBy2=0
SkipFrames=1
UseAVIFile=0

Common solutions to making sounds play

The sound doesn't play at all:
1. Check the volume.

2. If the volume is turned up and you still hear no sounds, something may be wrong with your sound board installation. Check to see that the sound board software is installed correctly and re-install it if necessary.

3. If the software is installed correctly the sound board may need to be pressed more securely into its slot or have a jumper setting changed on the sound board.

4. If you have both a sound board and special software that bypasses the sound board to play sounds through the PC speaker we suggest you remove or disable the special software (the PC speaker driver). Romeo & Juliet requires an MPC-compatible sound board to be installed and is not meant to run with just the PC internal speaker or any combination of that speaker and special software.

The sound plays but it is distorted or "fuzzy":
Sound distortion is often caused by sending a higher volume or amplitude of sound to the speakers than they are able to handle, or by turning the volume control on your sound board too high (distortion from the amplifier on the sound board). Sometimes speakers that are not of high quality will distort at a lower volume than better speakers will (compare a clock radio speaker to a big stereo system; the stereo speakers can play much louder with no distortion). For example, if the volume for your sound board or "WAVE file output" is set to near its maximum it will produce distortion just like a radio that is turned up too loud. To learn how to change your sound board settings check the manuals that came with your sound board. This is normally done with either a volume dial on the back of your sound board (in the rear of your computer where the speakers plug in) or with a program that is often called a "mixer", that is usually installed in the Windows Control Panel of the Main program group. Some sound

boards use both types of controls and they must both be adjusted.

Sounds are cut off:
Ensure that the sound buffer is set to maximum. Choose the Drivers icon from the Control Panel. Select the MCI Sound driver and click the Setup button. Configure the amount of memory used for buffering audio data to maximum, using the slider in the setup dialog box.

Your computer can only play one sound at a time therefore other sound producing programs could interrupt the sounds in Romeo & Juliet. Some sound producing programs may take over the audio capability and prevent other Windows programs from being able to make sounds. If you suspect you have such a program do not run it at the same time as Romeo & Juliet.

Making sure the sound card is installed properly:
1. Verify Port and IRQ settings by looking at the sound card and comparing the way it is set up to the way that the sound board software thinks it is set up. The sound board manual should explain how to read the sound board.

2. Make sure the sound card does not conflict with other hardware. This is done by comparing the setup of the sound board with the setups of other cards in your computer. It is important that no two cards try to use the same port or IRQ. This is a common source of problems when you're are getting no sound at all.

CDROM extension (MSCDEX) explanations

The combination of the CD-ROM Extensions (MSCDEX) and a CD-ROM device driver allow you to connect a CD-ROM drive to a DOS-based personal computer (computers that run Windows are considered DOS-based also). The MSCDEX command is run from the AUTOEXEC.BAT file and the CD-ROM device driver is loaded in the CONFIG.SYS file. The CONFIG.SYS must contain the same name (for example, `CDROM1`) as the one used with the /D: parameter on the MSCDEX line. A text editor or word processor can be used to edit these files if the settings are incorrect. Be sure to save the files as Text Only.

Example for CONFIG.SYS file:

```
DEVICE=CDROM.SYS /D:CDROM1
```

Example for AUTOEXEC.BAT file:

```
MSCDEX /D:CDROM1
```

Command-line switches for MSCDEX.EXE
Outlined below are the various parameters available for the CD-ROM Extensions and their usage.

Required parameter
/D:[name]

Names the CD-ROM drive and corresponds with /D:[name] on the device driver line in the CONFIG.SYS file.

Optional parameters
/M:[value]

Sets aside extra memory for reading data from the CD-ROM. This statement is

similar to the DOS BUFFERS statement

/L:[drive]

[drive] determines what logical drive letter to use for the CD-ROM.

/E

Tells MSCDEX to use expanded memory if available. MSCDEX uses LIM 3.2 or later with page frame address at D000.

/S

Instructs MSCDEX to patch DOS to allow sharing of CD-ROM drives on MS-NET compatible servers.

/V

Provides memory usage statistics, i.e., memory used by buffers, resident data, and resident code.

/K

Tells MSCDEX to use Kanji (Japanese) file structures, if present, rather than the default alphanumeric file structures.

Here are some examples:

1. This example installs the CD-ROM Extensions and the following options:

```
MSCDEX /D:CDROM1 /M:12 /L:G
```

* Names the drive CDROM1
* Allocates twelve CD-ROM Buffers
* Makes drive G the CD-ROM drive

2. This example installs the CD-ROM Extensions and the following options:

```
MSCDEX /D:CDROM1 /M:12 /L:G /E /S /V
```

* Names the drive CDROM1.
* Allocates twelve CD-ROM Buffers.
* Assigns the CD-ROM drive to Drive G.
* Uses expanded memory.
* Can be shared over an MS-NET network.
* Displays memory usage statistics.

CDROM extensions (MSCDEX.EXE) error messages

CD-ROM extensions to MS-DOS (MSCDEX.EXE) along with the device driver for your CDROM drive form the software components of the CD-ROM subsystem. They are not available from Microsoft. Contact your CD-ROM drive manufacturer if you need to update either MSCDEX or your CD-ROM device drivers.

The information below is an explanation of error messages you could see if the MS-DOS CD-ROM extensions are not working properly. These error messages generally occur before your programs start and come up on the screen.

Critical errors:

* CDR101 Read Failed

This means an error was reported by the device driver. The most likely cause is an open drive door, or the hardware dependent device driver needs to be updated. If this error occurs when you are installing your CD-ROM drive it may indicate an improper installation of the CD-ROM drives controller card and or software device driver. Contact your CD-ROM drive manufacturer for an update.

* CDR102 EMS memory no longer valid

The EMS memory possibly is corrupt. You need to reboot the system. If this continues to occur after rebooting there may be a conflict between the EMS memory being used by MSCDEX and something else on you computer. Try removing other items which may be using EMS memory.

* CDR103 Disc in drive is not High Sierra

All CD-ROM discs on a DOS or Windows-based system need to be in High Sierra or ISO 9660 format. If you attempt to read and audio disc or a disc configured for an Apple Maciontosh you will see this message. It may also indicate a need to update the device driver. A quick test to find out if the problem is with the disc or the device driver is to insert another CD-ROM disc into the drive and see if it can be used. If the second disc works the first disc may be damaged.

Initialization errors:

* Incorrect DOS version

MSCDEX does not work with DOS Versions 1.x or 2.x. MSCDEX.EXE versions below 2.21 requires loading the SETVER.EXE utility in the CONFIG.SYS for proper functionality with MS-DOS version 5.0 or above. This driver is required because MSCDEX.EXE version 2.20 checks the version of DOS prior to loading. It will display Incorrect DOS Version SETVER.EXE is not loaded.

To work around this, load the SETVER.EXE utility by editing the CONFIG.SYS file and adding the following line:

```
DEVICE=C:\DOS\SETVER.EXE
```

Note: IBM PC-DOS does not have MSCDEX.EXE in the setver table. It must be added manually by typing `setver mscdex.exe 4.01` at the prompt.

Ideally, MSCDEX version 2.21 or above should be used with MS-DOS version 5.0 and MSCDEX version 2.22 should be used with MS-DOS version 6.0.

* MSCDEX already started

MSCDEX is already installed. You can have only one instance of MSCDEX running at a time.

* Device driver not found: 'DEVNAME'

The device driver name given on MSCDEX's command line /D:[name] was not found. Make sure the directory path and name are correctly spelled and the device driver is correctly installed. Also, make sure the device driver is loading without displaying any errors.

* No valid CDROM device drivers selected

MSCDEX will not install if there is no /D:[name] specified with the MSCDEX command or if the one given is not found.

* Not enough drive letters available

You need to increase the number of drive letters available by using the LASTDRIVE command in the CONFIG.SYS file.

```
LASTDRIVE=Z
```

* Expanded memory allocation error

An error was reported by the Expanded Memory Manager. The Expanded Memory Manager may be corrupt; it may be necessary to reboot to install MSCDEX. If this continues to occur after rebooting there may be a conflict between the EMS

memory being used by MSCDEX and something else on your computer. Try removing other items which may be using EMS memory.

* Illegal option "X"
  An illegal command line option was specified. If this happens the illegal command will appear in quotes.

* Expanded memory not present or usable
  This is a warning. You cannot use Expanded Memory if it is not there. MSCDEX will continue using normal memory.

* Not enough expanded memory, reducing number of buffers
  This is only a warning. You cannot ask for more buffers than will fit in available memory.