Described here are some helpful guidelines for using Lumena that were developed since the User's Manual and Quick Reference Guide were printed. It's a good idea to review these items before you begin using the program, even if you're unfamiliar with computer graphics systems and may not understand all the terms and details discussed.

Each item is listed by topic and, wherever possible, by page references to the Lumena User's Manual—you may wish to note some of them on the appropriate pages of your manual. Keep in mind that some may also apply to your Quick Reference Guide and to the on-line documentation for the functions discussed.

**Backing up your Lumena System Disk**

It's a good idea to make at least one backup copy of Lumena before you start using the program. To prevent unauthorized use, your original Lumena System Disk is protected in such a way that you must use it, rather than a copy, to load Lumena into your computer. However, a backup copy will come in handy if, for example, you accidentally write over some of the files on your original.

To make a backup copy, load MS-DOS into your computer and format a blank double-sided, double-density diskette. Use the default options provided by the FORMAT command—that is, with your MS-DOS diskette in drive A and your blank diskette in drive B, type FORMAT B: and press RETURN. Next, use the MS-DOS DISKCOPY command to copy Lumena from your original Lumena System Disk onto your newly formatted diskette. Type DISKCOPY A: B: and press RETURN, then follow the prompts that appear on your screen. (See your Introductory Guide to MS-DOS or MS-DOS Reference Manual for details on formatting and copying diskettes.)

Attach a write-protect tab to both your original and your backup copy. Store the backup copy in a safe place and use the
original each time you want to load Lumena
(see next item).

If you accidentally write over any files on
your original Lumena System Disk, use the
MS-DOS DISKCOPY command to copy Lumena back
onto your original from your backup copy.

Loading Lumena

To load Lumena, you must first load MS-DOS.
Then you must place your original Lumena
System Disk in drive A (or the default
drive) of your computer system. Place a
formatted data disk, with or without files
stored on it but without a write-protect tab
attached to it, in drive B (or the nondefault drive). Unless your original System
Disk is in the correct drive when you try to
load the program, you'll see the message
"Lumena requires that the original diskette
be in either drive A or the default drive."

Disk storage
capacity

Double-sided, double-density diskettes will
store up to nine full-size Lumena images.
Do not attempt to save more than nine
full-size images on one data disk.

Palettes for
television and
composite monitor
display

When you're using a television or composite
monitor as a display device, Lumena offers
you three palettes: a palette of 16 solid
colors (described in your manual under
"Television Mode"); a palette of 16 shades
of gray (for use with a black and white
television or when you want to work strictly
with shades of gray); and a palette of 16
solid and 16 dithered (mixed) colors
(described in your manual under "Monitor
Mode"). Press D to cycle through the
palettes (the fourth palette that appears is
for an RGB monitor, and won't look right on
your screen).

G command

The keyboard command G restores Lumena's
default color map to your screen—for example,
when you've finished using a custom palette
that you remapped using Lumena's COLOR or
PALET menus. Note also that if you load the
"globe" image included on your Lumena System
Disk (or any image created in the television
display mode) while using an RGB monitor,
you must press G to restore the correct RGB
colors to your screen.
Deleting characters typed in from the keyboard

To delete characters typed in from the keyboard—whether you're adding text to an image or specifying a disk file—use the BACK SPACE key, not the DEL key.

4-15

PALET menu, CHANGE command

To change a color in the palette, you do not have to move the pen (or mouse) left or right after pressing the color to be changed and selecting CHANGE. Simply press CHANGE several times, or retain pressure, until the color you want appears in the selected box.

8-15

FILLS menu, REMOVE command

Lumena gives you no OK? prompt during a REMOVE procedure—as soon as you define the image area where the color should be removed, it's removed.

9-4

CEDIT and IEDIT menus (CELLS menu), MRG/* command

Lumena gives you no OK? prompt during a MRG/* procedure—as soon as you press the cells to be merged, they're merged and the CLR prompt appears. This occurs whether you initiate the procedure by pressing MRG or *.

14-12

FONTs menu, PRINT command

You cannot print a specific area of a Lumena screen—only an entire screen. So as soon as you press the box to select your printer and the size of the print you want, Lumena gives you an OK? prompt. Press OK? to begin printing.

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