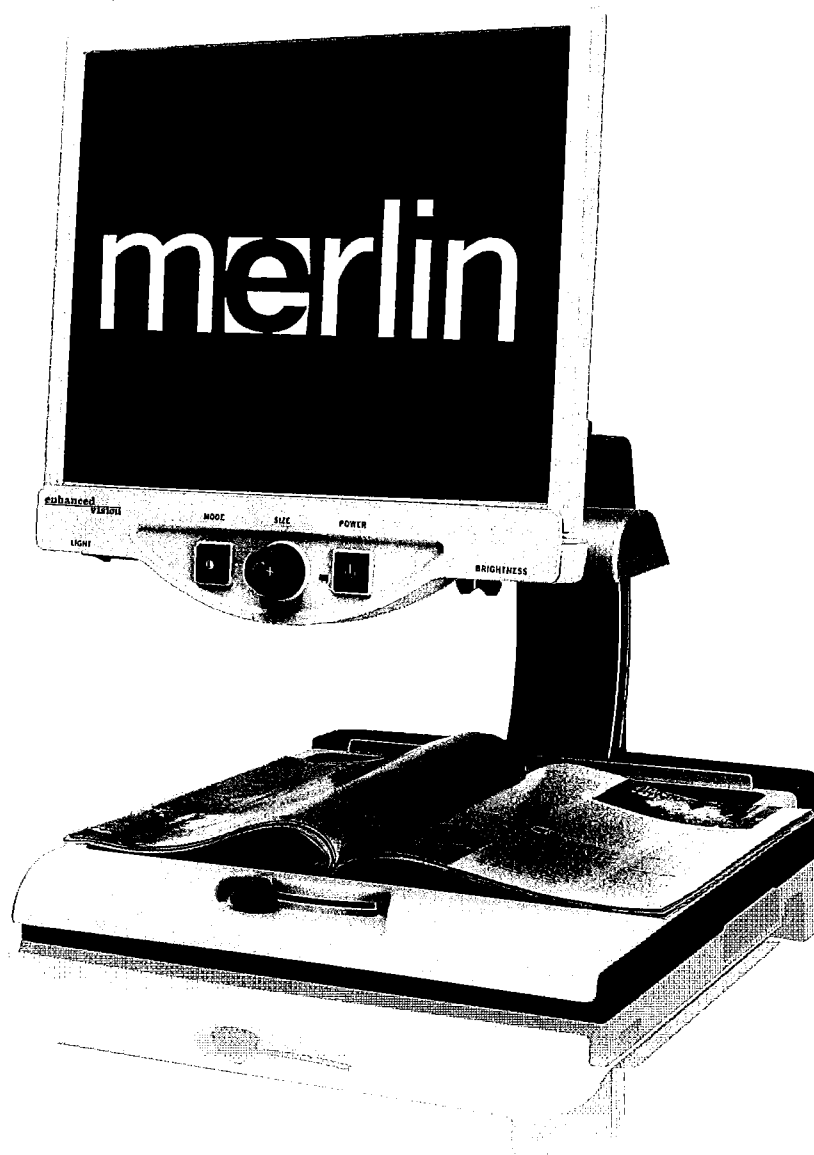


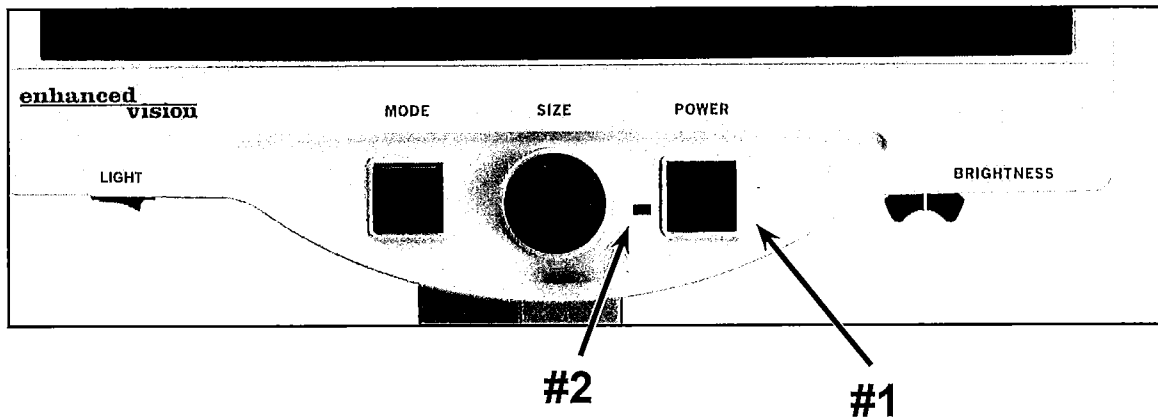
enhanced
vision

merlin LCD™



Users Manual

TURNING ON MERLIN LCD



Merlin LCD Power Button

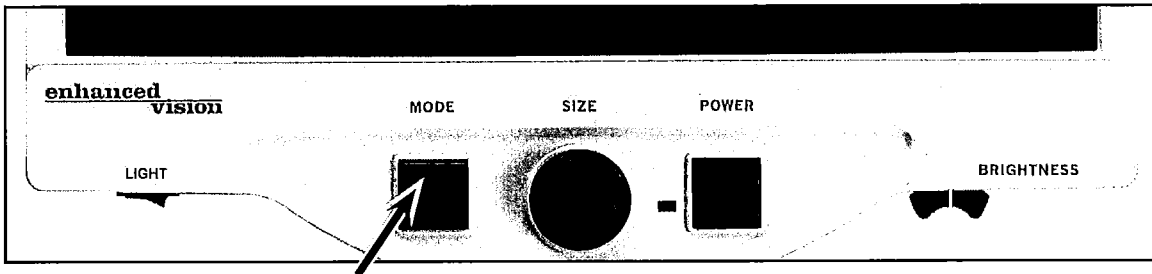
The Power button on your Merlin LCD is located on the far right of the control panel (item #1 above).

- Press the Power button. Notice the green light will illuminate on the Control Panel, indicating the power is ON (item #2 above).
- The screen should automatically come on in a few seconds.

If the green light does not illuminate or if an image does not appear on the LCD monitor, please check the power supply connections (review steps 2-4 on page 10 for details).

NOTE: *If your Merlin LCD is plugged into a power strip/surge protector (recommended), make sure its power switch is turned on before attempting to turn on Merlin LCD. If the power strip/surge protector comes with a circuit breaker, make sure the circuit breaker has been reset before attempting to turn on Merlin LCD.*

CHANGING VIEWING MODES



You can choose a viewing option by pressing the MODE button on the control panel. Each press will cycle through all 7 viewing options.

The available viewing options are:

- Full Color Image
- Black and White Image
- Enhanced Positive Image
- Enhanced Negative Image
- Color Select 1
- Color Select 2
- Color Select 3

**Crisp, Clear
Text Images!**

Enhanced Positive

**Crisp, Clear
Text Images!**

Enhanced Negative

Full Color Image

This mode is used most often because it gives you a true color representation of the image that is being magnified. When Merlin LCD is first turned on, it displays the image in full color.

Black and White Image

Based on your preference, you can choose the black-and-white mode.

Enhanced Positive Image

This mode provides a white background with black text. This mode increases the contrast to offer crisp text images for reading.

Enhanced Negative Image

This mode provides a black background with white text. This mode increases the contrast to offer crisp text images for reading.

Color Select 1

This mode provides a blue background with yellow text. This is one of the most commonly used color combinations.

Same as Color Mode combination #28 (see page 16)

Color Select 2

This mode provides a yellow background with black text.

Same as Color Mode combination #16 (see page 16)

Color Select 3

This mode provides a black background with yellow text.

Same as Color Mode combination #2 (see page 16)

USING COLOR SELECT

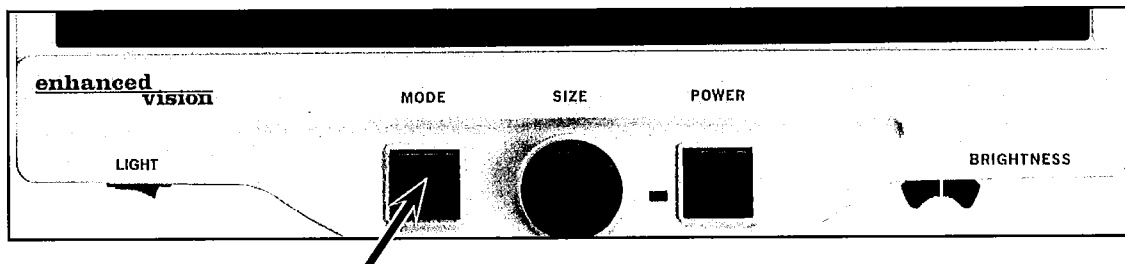
Merlin LCD was designed to provide optimum viewing for people with certain visual conditions by offering an expanded range of choices in both text and background colors.

This combination of text and background colors comprises a color select mode. The Merlin LCD offers the following:

- 28 text/background color combinations (see page 16)
- 3 factory preset color select modes (see page 13)
- 2 additional user color select modes

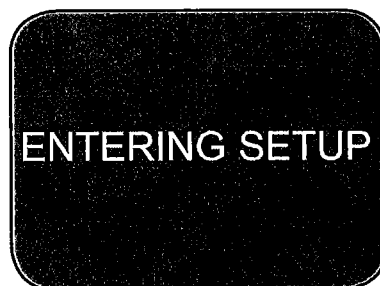
Both the preset and user color select modes can be independently programmed to your preferences, using the procedure listed below.

How to Program a Color Select Mode



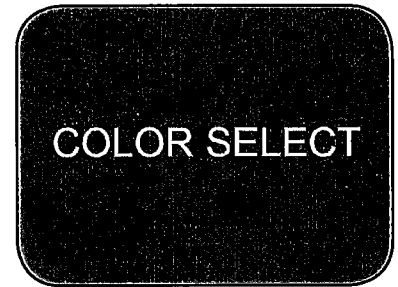
With Merlin LCD turned ON, place a piece of reading material on the X-Y table so that it appears on your monitor at a magnification size that is comfortable for viewing. Follow these steps to program any of the 5 color select modes:

Step 1: Press and hold the MODE button (approximately 5 seconds) until the words "ENTERING SETUP" appear on your LCD monitor.



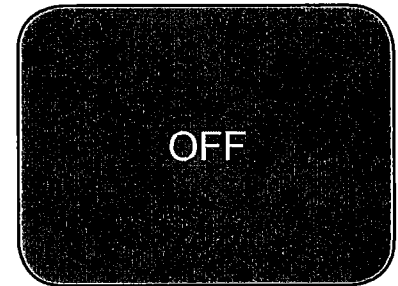
Step 1

Step 2: Rotate the SIZE dial to scroll through the available menu options. Choose COLOR SELECT (see the photo at right) and press the MODE button again.

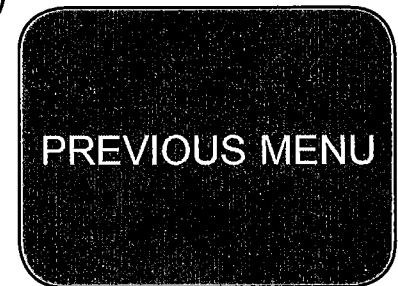


Step 2

Step 3: Rotate the SIZE dial to choose the Color Select number (1-5) you wish to program. Press the MODE button and choose one of the following options:



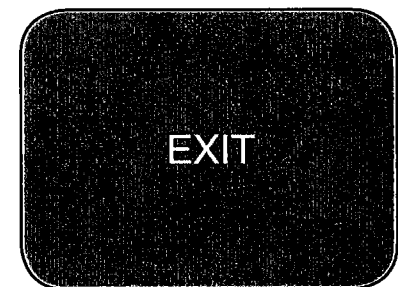
- a) Rotate the SIZE dial to cycle through the color combination of your choice (1-14). To access color combinations 15-28, press the MODE button first, before rotating the SIZE dial again. (Please refer to the list on next page)
- b) OR, if you want to turn OFF the current COLOR SELECT (1-5) option, select OFF by turning the SIZE dial clockwise. If no change is desired, select PREVIOUS MENU by turning the SIZE dial counter-clockwise.



Step 3b & Step 5

Step 4: Press and hold the MODE button (~ 5 seconds) to register the color combination you've programmed into the Color Select.

Step 5: When you're finished, rotate the SIZE dial all the way counter-clockwise to PREVIOUS MENU and press the MODE button. Finally, rotate the SIZE dial all the way counter-clockwise to EXIT and press the MODE button to finish programming.



Step 5

Using the procedure outlined on pages 14-15, the following 28 color combinations can be programmed into any of the 5 color select programs, based on your personal preferences.

Color Mode:	Background Color:	Text Color:	Notes:
#1	Black	Green	
#2	Black	Yellow	*Default Color Select 3
#3	Black	Red	
#4	Black	Blue	
#5	Black	Purple	
#6	Black	Orange	
#7	White	Green	
#8	White	Red	
#9	White	Purple	
#10	White	Blue	
#11	White	Orange	
#12	Yellow	Red	
#13	Green	Yellow	
#14	Yellow	Blue	
#15	Green	Black	
#16	Yellow	Black	*Default Color Select 2
#17	Red	Black	
#18	Blue	Black	
#19	Purple	Black	
#20	Orange	Black	
#21	Green	White	
#22	Red	White	
#23	Purple	White	
#24	Blue	White	
#25	Orange	White	
#26	Red	Yellow	
#27	Yellow	Green	
#28	Blue	Yellow	*Default Color Select 1

CHANGING MAGNIFICATION



Figure 1

You can increase or decrease the size (magnification) of the image by using the SIZE dial at the center of the control panel (see Figure 1).

There are sixteen levels of magnification available on Merlin LCD.

- To increase the size of the image, turn the dial clockwise, or to the right.
- To decrease the size of the image, turn the dial counterclockwise, or to the left.

The size you selected will be displayed in the upper left corner of your monitor (see Figure 2).

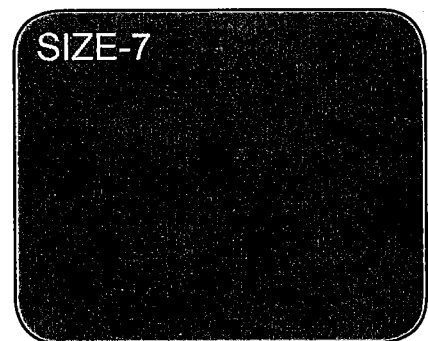


Figure 2

CHANGING BRIGHTNESS

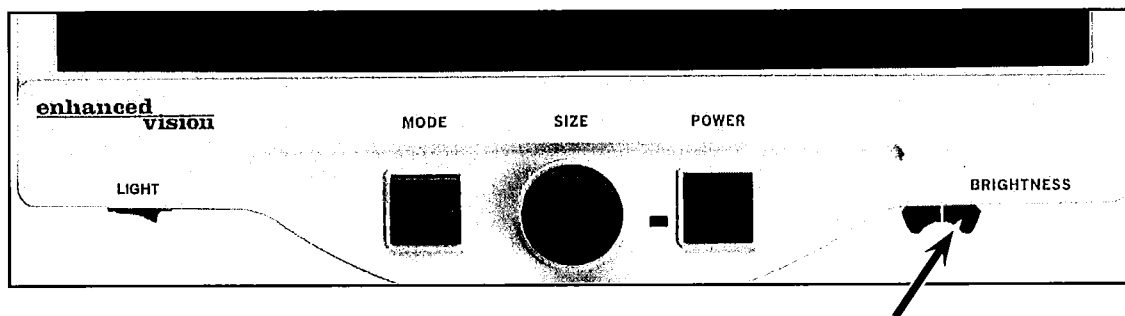


Figure 1

You can increase or decrease the brightness of the image by using the brightness lever located underneath the right bottom of the control panel (see Figure 1).

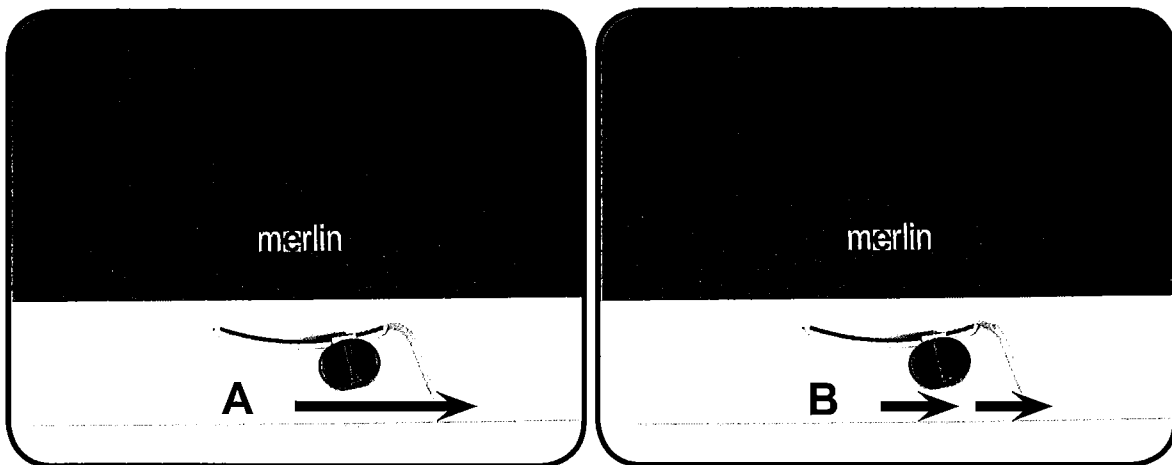
- To increase the brightness, slide the lever to the right.
- To decrease the brightness, slide the lever to the left.

Up to 12 levels of brightness are available, ranging from 100% (full brightness) to 55% brightness reduction when using color select modes. When using Enhanced or Color Select modes, the range of brightness will be reduced to prevent the images from becoming too dark.

USING THE X-Y TABLE

Locking the X-Y Table

To lock the X-Y table, slide the lever all the way to the right until it clicks and locks (A). Unlock the X-Y table by sliding the lever to the right again and release the lever (B).



Reading With the X-Y Table

1. With the X-Y table unlocked, place a book, newspaper, etc., on the table.
2. Use the magnification dial to enlarge the image to a comfortable viewing size.
3. Glide the X-Y table to the left, which will make the words flow across the screen for reading.
4. When you have reached the end of a line, glide the table back to the beginning of the line.
5. Move the table away from you slightly to display the start of the next line.
6. Repeat steps 4, 5 and 6 to continue reading.