



 **KoalaWare**TM

Micro IllustratorTM Owner's Manual

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Introduction

WHAT IS THE MICRO ILLUSTRATOR DESIGN PACKAGE?

Micro Illustrator - the electronic drawing tool - allows you to:

- Draw freehand using several different brushes and colors.
- Design geometric shapes of all sizes.
- Change the colors in the drawing at any time, as well as create moving "rainbow" effects.
- Take advantage of special kaleidoscopic features which "mirror" images in your drawing.
- Magnify your drawing for close-up work.
- Save your designs for future enjoyment.

The Micro Illustrator is easy to use - simply load the program and push one of the touch tablet's buttons. You can create your own designs immediately. What ever your skill level, from beginner to serious artist, hours of fun and creativity await you.

SYSTEM REQUIREMENTS

- Atari Computer with 16k RAM
- Micro Illustrator Cartridge
- Color Television or Monitor
- KoalaPad Touch Tablet and Stylus
- Disk Drive (if using disk system)

If you wish to store a picture on a diskette you will need 32K RAM. Please see Storage Details in the Hints and Explanations section for further information.

Getting Started

Cartridge System

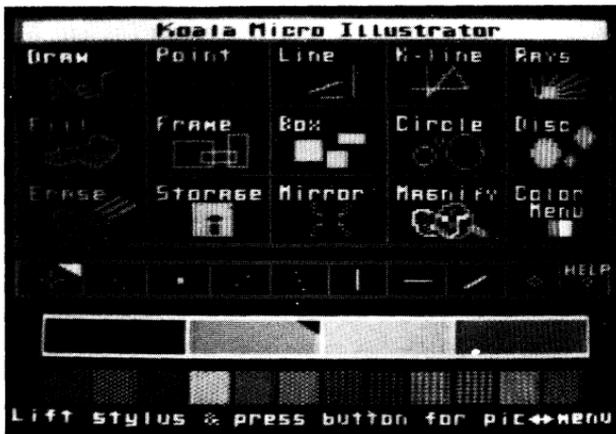
- Insert the Micro Illustrator cartridge into your computer cartridge slot.
- Insert Atari DOS diskette in disk drive 1.
- Turn ON your monitor or television
- Turn ON your computer.

Disk Drive System

- Remove cartridge from your computer
- Insert your Micro Illustrator diskette into drive 1.
- Turn ON your television or monitor
- Turn ON your disk drive
- Turn ON your computer

After the title screen appears, press either button on the KoalaPad to go on to the Main Menu.

KOALA MICRO ILLUSTRATOR MENU



The menu is divided into three sections: COMMANDS, BRUSH SET and COLOR SET. Your Current selections are indicated by brighter lettering on COMMANDS, and a triangle in BRUSH SET and COLOR SET.

To Draw

- Press your finger or stylus on the tablet surface. A flashing cursor will appear.
- Hold down the left button and draw. The cursor will be replaced by an orange line that is controlled by your touch.
- Release the button and the cursor will reappear.
- To return to the menu, lift your finger or stylus from the tablet surface and press the left button. The menu will reappear. You are now ready to choose other commands, colors and brushes.

To Make Other Selections

- Move finger or stylus on the tablet's drawing surface. The cursor will appear indicating your location on the menu.
- Position the cursor in the box of your choice.
- Keeping the cursor in this box, press either button. Note that a highlight appears in the box to confirm your choice.

To Erase The Entire Screen

- Move cursor to the ERASE box and press button. The screen will change, leaving the ERASE screen and instructions.
- If you wish to continue the ERASE procedure, confirm by moving your cursor to the word "YES" on the screen.
- Press either button.
- To cancel ERASE, lift your stylus from the tablet surface and press either button, or select the word "NO" from the screen.

THE COMMANDS

DRAW - Freehand draw. There are two ways to draw in this mode:

- Hold down the left button and draw, or press the right button and release. This locks you into the draw mode; to unlock, press the right button a second time.



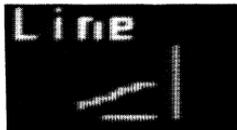
POINT - Makes individual points or patterns.

- Position the brush or the cursor on display screen.
- Press the button. A point design will appear that represents your currently selected brush.
- Release the button and the cursor will reappear.
- Move the cursor to next location. Press the button.



LINE - Draws individual straight lines.

- Position the cursor where you wish to start your line.
- Press the button.
- Move the cursor. A "rubber band" will stretch from this point.
- Hold your place on the tablet and press the button. A line the width of the your current brush will be drawn.



K-LINE - Draws lines that are connected end-to-end.

- Establish one end of the line.
- Press the button. The cursor is replaced by a dot.
- Stretch the line into place and continue pressure on the touch tablet surface.
- Press the button and the line will remain. The cursor will not reappear because it is attached to the end of this line. Each line comes from the end of the last line.
- Stretch the line to another location.
- Press the button.
- To exit this command, lift finger from tablet and press either button twice. The menu will reappear.



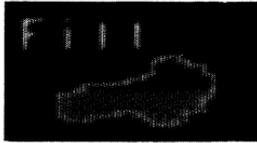
RAYS - Makes lines that radiate from one point.

- Determine the starting point of the ray.
- Press and release the button.
- Stretch the line.
- Hold down the button, and move your finger or stylus. A design will be drawn. Notice how you can vary the design by how fast you move the cursor.



FILL - Fills selected areas.

- Position the cursor in area to be filled.
- Press the button. See Hints and Explanations section for further information on the FILL instructions.



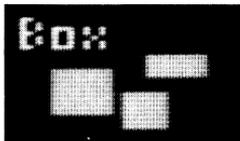
FRAME - Makes square and rectangular frames.

- Establish one corner of your frame.
- Press the button. The frame stretches from this point.
- Keep your finger on the tablet and press the button. The frame will remain.



BOX - A frame that automatically fills with color.

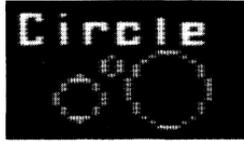
- Select the fill color.
- Follow the same procedures as in FRAME. The box will fill with the selected color.



CIRCLE - Makes a circle.

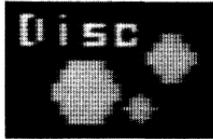
- Move the cursor to where you want the center of the circle.
- Press the button.
- Move finger or stylus away from the center point. A circle will grow from that point.
- Keep finger or stylus on the tablet surface and press the button. The circle will remain.

CIRCLE (cont.)



DISC - Makes a filled circle.

- Follow the same procedures as in CIRCLE. Uses the currently selected color.



ERASE - Erases the entire drawing area to a black background.

- Select ERASE. The viewing screen will change leaving the ERASE screen and instructions.
- Move your cursor to select YES and press either button. The screen will change to black.
- To cancel ERASE, lift your finger or stylus from the tablet and press either button, or select "NO" from the screen.



STORAGE - Stores your pictures on a separate diskette.

- Select STORAGE command on the menu and press the button.
- Follow instructions as indicated.
- For further information, see Storage Details in Hints and Explanations section.



MIRROR - Creates mirrored images using the current drawing mode.

- Position the cursor on the display screen.
- Draw the figure, or follow the steps for your selected command.
- The figure will be replicated in the 4 corners of the screen.
- To exit the mirror feature, select MIRROR a second time from the menu.



MAGNIFY - Enlarges pictures

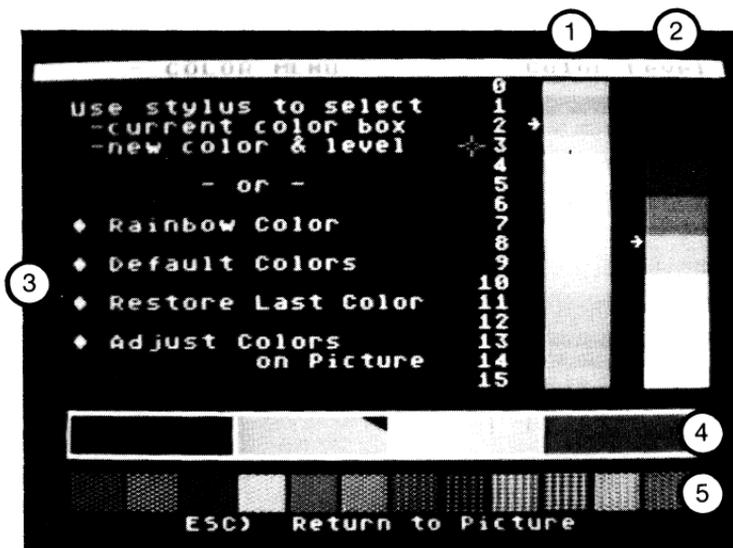
- Select MAGNIFY.
- Return to your picture. You will see an enlarged cursor or brush and an enlarged section of your picture.
- To move to a section of your picture, move your finger or stylus in that direction on your tablet. Repeat until the location is reached.
- Note that when the cursor approaches the edge of your picture, it moves toward that edge from the center of your screen.
- To exit MAGNIFY, return to the menu and select MAGNIFY a second time.
- See Hints and Explanations section for more details.



HELP - For quick reference.

- Select HELP with the cursor.
- Press the button, or press the “?” key or the “Help Key” on the XL series.
- Press either button to return to your picture.

COLOR MENU - Provides a selection of color changes. The options for this menu are: change any of the colors in your picture, create a moving “rainbow” of colors, restore the picture to the original color set, and restore the picture to the last colors used.



1. Color Column
2. Level of Intensity or Hue
3. Color Menu Commands
4. Basic Color Set: 1 Background and 3 Drawing Colors
5. Color Patterns (Made from the Basic Color Set.)

COLOR MENU COMMANDS

To change a color in your picture:

- Position the cursor in the box of the basic color you wish to change.
- Press either button.
- Position the cursor on the color column to the right of the screen.
- Press either button to select a new color. Notice that this color replaces the color in your basic color set and in the patterns below it.
- Position the cursor on the intensity column to the right of the color column.
- Select the level of intensity or hue.
- Press either button to return to your picture.
- See Color Menu in Hints and Explanations section for more information about this feature.

RAINBOW COLOR - Changes one color in your picture into a moving “rainbow” of colors.

- Select the color from the basic color set that you wish to change into a rainbow.
- Press either button.
- Position the cursor on the command “Rainbow Color” and press either button.
- The menu will change to your picture with the color you selected changed to a constantly flowing rainbow of color.
- Press either button to return to the color menu. The rainbow will stop and your picture will return to its original colors.

DEFAULT COLORS - Changes all the colors in your picture back to the original color set.

- Place the cursor on the command “Default Color.”
- Press either button. Your menu and picture will change to the original color set.

RESTORE LAST COLOR - Allows you to return to a color previously used.

- Place the cursor on the command “Restore Last Color.”
- Press either button. Your picture will return to the colors used immediately before the last color change.

ADJUST COLOR IN PICTURE - Allows you to change a color while viewing the picture.

- Select the command “Adjust Color in Picture.”
- Press either button, and you will return to your picture.
- Position the cursor on the background color or figure you wish to change.
- Press either button.
- Move your finger or stylus across the tablet to scroll through the spectrum of colors.
- Press either button to select your desired color.
- Press either button to return to the main menu.
- Make a different selection from the main menu to exit this command.

Hints and Explanations

COLOR MENU - The command **COLOR MENU** allows you to change your 3 primary drawing colors and the background color in 4 ways. You can change any of the colors in your picture, one at a time; you can create a moving “rainbow” of colors; you can restore the picture to the original color set; and you can restore the picture to the last color used.

When you change any of the colors in your picture, remember that you can change one color at a time. And, although you have a wide selection of colors and intensity levels from which to choose, only four colors will appear on your screen at any time.

When you have changed the colors in your picture and wish to return to the original color scheme, use the “Default Colors” command. This automatically returns the

colors on the menu and in your picture to the first colors to appear when the program is loaded.

FILL - This command colors entire area of the screen. It fills in all directions until it encounters another color. You may fill onto any solid color but not into a checkered pattern. Notice that it will “leak” out of any area that is not completely enclosed.

TO STOP FILL - You may want to stop a fill that is in progress. You can do this by:

- Pressing either button on the touch tablet, or
- Pressing any key on the computer terminal.

If you stopped an unwanted fill routine and wish to correct it, you may be able to reverse fill by selecting the original background color of your fill and then re-filling the area. Once you do this, you can find the leak and fix it. Note that you cannot re-fill over a checkered pattern.

TO ERASE SMALL AREAS WITHOUT ERASING THE ENTIRE PICTURE - You may wish to erase small errors or make improvements on a particular picture. To do this:

- Select the original background color on which you are drawing.
- Select a brush to use as an eraser.
- Return to picture and draw over the area you want to erase. This will even remove a checkerboard pattern.
- To erase large areas quickly, use the **BOX** command.

MAGNIFY - The **MAGNIFY** command responds in a “relative scale movement.” The cursor or brush can be moved only a certain distance at a time across the viewing screen. To move to the top of your picture or screen, put your finger on the bottom of the tablet and draw towards the top of the tablet. Depending on the starting location, it could take several upward strokes to reach the top of the picture.

Note that it is also possible to perform other commands while in the MAGNIFY mode.

PHOTOGRAPHING YOUR PICTURES - To photograph a picture on the screen:

- Position the camera using a tripod.
- Use Kodachrome 64 daylight film for slides and Kodacolor II for photographs.
- Set shutter speed for one second.
- Take pictures in a darkened room or arrange a hood over the screen to shelter it from light reflections on the screen.

STORAGE DETAILS

For Disk Drives

To **LOAD** or **SAVE** pictures:

- Select **LOAD** or **SAVE** from the Storage menu.
- Press either button.
- Type in: D1 or D2: Filename <return>
- Press a tablet button to return to the main menu.

Note: Do not use extensions when entering the filename of a picture, as this may cause the picture to be excluded when the disk is indexed.

- If a Bad Device message is encountered, hit any key to return to the Storage menu.

To **INDEX** a disk:

- Select **INDEX** from the Storage menu.
- Press either button. The primary drive will be indexed.
- Use your stylus to select a picture to load. Press either button.
- Press either button to return to the main menu.

To DELETE a picture:

- Select DELETE from the Storage menu.
- Type in: D1 or D2:Filename <return>
- Confirm with "Y".
- Press either button to return to your picture.

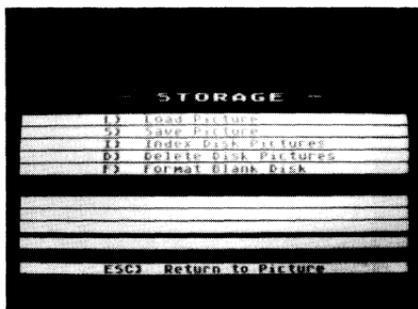
To FORMAT a blank disk:

- Select FORMAT from the Storage menu.
- Press either button.
- Insert a blank disk in Drive 1.
- Confirm with "Y". The disk will be formatted.
- Select another storage command, or press either button to return to your picture.

For Cassettes:

- To LOAD or SAVE pictures:
- Select LOAD or SAVE from the Storage menu.
- Press either button.
- Type in: C:Filename <return>
- Press a tablet button to return to the main menu.

Note: do not press <return> while the file is loading, as this may interfere with the loading process.



GLOSSARY

Background Color - The color to which the screen is changed when it is erased.

Basic Color Set - The four colors displayed on the menu.

Brush - Any one of the number of differently shaped imaginary brush tips used to make lines or patterns on the display screen.

Brush Set - A collection of brushes available on the program menu.

Current Mode - The mode being used by the person working with the program. The Micro Illustrator will use the current mode until it is instructed to change.

Cursor - A moveable crosshair marker or a copy of the current brush used to show a person's position on the display screen. This is used to select and carry out all the commands listed on the program menu.

Default Colors - A command on the Color Menu which will restore your picture to its original color set.

Highlight - A white triangle or background which shows the current color, brush or mode.

Load - To enter a software program into the memory of a computer.

Menu - Just like in a restaurant, a menu is a list of program choices presented on the display screen. The user selects from these choices.

Mode - A method of operation which determines the activity performed by the KoalaPad, such as Draw Mode, Line Mode, etc.

Original Color Set - The first colors in the menu that are displayed when the program is loaded.

Rainbow Color - A command on the Color Menu which will change the selected color to continuously scroll through the color spectrum.

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