

# ThunderScan<sup>®</sup> for Apple<sup>®</sup> II

## Quick Reference Guide

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### Before You Begin

This card is divided into four parts:

- The first will help you install ThunderScan.
- The second part outlines the software version that runs on all Apple II's.
- The third part explains how to use ThunderScan GS.
- The last part shows the keyboard equivalents for ThunderScan.

### Installation and Setup

#### Installing ThunderScan on Your ImageWriter

To install ThunderScan:

- Make sure your Apple II and everything connected to it is turned *off*.
- If you're using an Apple IIe, be sure your printer cable is connected to a serial card. On the IIc, IIc Plus, or IIgs, your printer cable should be plugged into the built-in printer port.
- Connect the cable from the scanning cartridge to the game I/O port of your Apple II.

#### Preparing Your Printer

To get your printer ready for scanning:

- With your printer turned *off*, remove the ribbon cartridge and insert the scanner. Make sure both sides of the scanner snap onto the ribbon deck.
- On an ImageWriter II, separate the plexiglass window from the printer cover and adjust the paper thickness lever to allow for maximum paper thickness.
- If you have an ImageWriter I or Wide-carriage ImageWriter, install the scan key or special Thunderware printer cover.

#### Inserting an Original

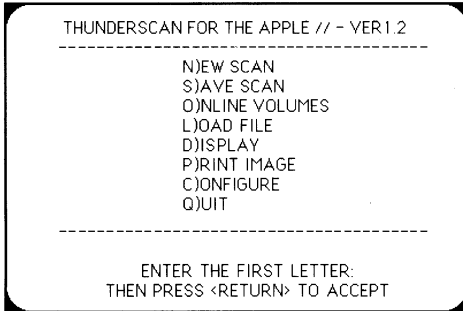
To insert an original in your printer:

- With your printer off, make sure any paper is removed from your printer.
- Set the paper release lever to the *pin feed* position.
- Insert an original so that it is facing forward after you roll it through the printer.
- Set the paper release lever back to the *friction feed* position.

# Using ThunderScan with the IIe, IIc, and IIc Plus

## About ThunderScan for Apple II

The ProDOS 8 version of the ThunderScan software operates on all Apple II computers. To begin, insert a copy of the ThunderScan Program Disk into Drive 1 and reboot your computer. ThunderScan's main menu appears:



From the main menu, you can start a scan, save, check online volumes, switch displays, print, configure and quit the program.

## Configuring the Software

Before starting the scan, make sure the software is properly configured for your printer.

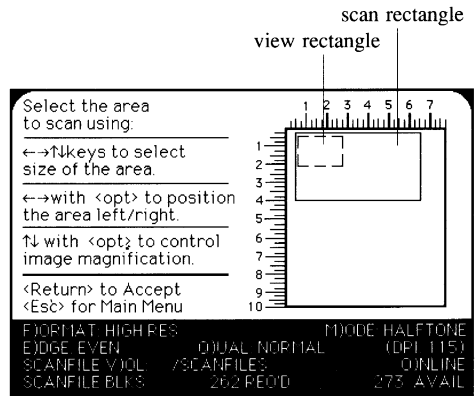
- Press C (for Configure) and press Return.
- Follow the instructions on the screen to specify proper printer type and slot. Press Return to continue. If you are using a IIc or IIc Plus, you should specify slot 1 for the printer.

## Starting a Scan

The New Scan command on the main menu begins the scanning process:

- Press N (for New Scan) and press Return.

The Scan Select screen appears:



- Follow the instructions on the **Scan Select** screen to select the area for scanning, desired format, DPI setting and scan volume. Press Return.
- Follow the instructions on the **Focus** screen to focus.
- Follow the instructions on the **Preparing the Printer to Scan** screen to recycle your printer. Press Return when ready.
- Follow the instructions on the **Preparing to Start the Scan** screen.

## Pausing and Stopping a Scan

To pause the scan:

- Press P.
- Press any key to resume scanning.

To quit the scan or return to the main menu, simply press the ESC key.

# Using ThunderScan GS

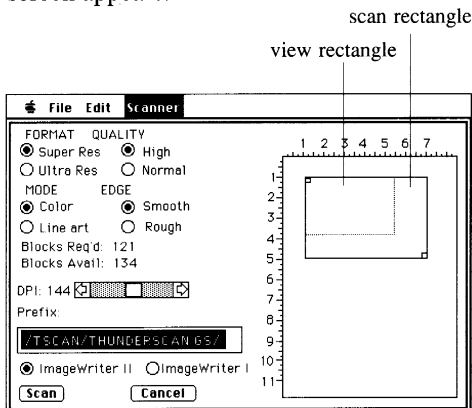
## About ThunderScan GS

ThunderScan GS operates on an Apple IIgs with a minimum of 512K of memory. If you are using GS/OS, you'll need at least 768K of memory. Keep these memory considerations in mind when setting up a RAM disk or using the RAM Cache desk accessory.

To begin, make sure that print buffering is turned *off* in the **Control Panel**. Insert a copy of the ThunderScan program disk into Drive 1 and reboot your computer. The ThunderScan GS application is automatically loaded. Click on the **OK** button.

## Starting a Scan

To start the scan, select **New Scan** from the **File** menu (or press ⌘-N). The scan screen appears:



- Use the radio buttons to select the desired format, mode, left edge type, scan quality, and printer model.
- Use the scroll bar to adjust DPI (resolution).

- Type in a prefix selection.
- Click on "Blocks Avail." to view the disk space available for scanning.
- Use the mouse to adjust the scan rectangle by dragging from the lower right handle of the scan rectangle.
- Use the mouse to position the scan rectangle on the page map by dragging from the upper left handle of the scan rectangle.
- Click on the **Scan** button to continue.

The focus dialog box will appear.

- Follow the instructions in the focus dialog box to focus the scanner.
- Click on the **OK** button to continue.
- Follow the instructions in the next dialog box to prepare the printer.
- Click on the **OK** button to continue.
- Follow the instructions in the next dialog box to adjust the original to be scanned.
- Click on the **Begin Scan** button to start scanning.

## Pausing and Stopping a Scan

To pause the scan:

- Press the ⌘ key. A dialog box appears.
- Click on the **Resume** button to resume scanning.
- Click on the **Quit Scan** button to stop the scan.
- To access menus, click on the **Pause** button. To continue scanning, select **Resume Scan** from the **Scanner** menu (or press ⌘-R).

# Quick Reference Guide

## Using ThunderScan Version 1.2

While a scanned image is being displayed you can use the keyboard to:

option	press
change brightness	B
change contrast	C
adjust brightness and contrast	← and →
change display	D
view the histogram	H
save as a screen image	S
return to the main menu	ESC
scroll the image	↑, ↓, ←, and →
scroll image faster	Option with ↑, ↓, ←, and →

## ThunderScan GS – Menus and Keyboard Equivalents

File	
Open...	⌘ O
Save As...	⌘ S
Choose Printer...	
Page Setup...	
Print ...	⌘ P
Tile Print ...	⌘ T
Quit ...	⌘ Q

Edit	
Cut	⌘ H
Copy	⌘ C
Paste	⌘ V

Scanner	
New Scan...	⌘ N
Contrast & Brightness...	⌘ B
Filter...	⌘ F
Protect Controls	
Resume Scan	⌘ R
Switch Display...	



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