NewLife 2 Manual Copy
Parts 1, 4 and 5

PACKAGE CONTENTS

- NewLife 2 board
- Pin kit
- Killy Klip™
- Battery cover with DB 25 SCSI connector
- 2 screw assemblies for SCSI connector
- Internal SCSI cable
- SCSI filter board
- Video cable and connectors
- Self tapping screw
- $3^1/_2$ diskette
- Installation and User Manual

Additional SCSI Installation Info (Part 3)

These notes are not required if NewLife 2 manual is created from finished NewLife 1 manual

SCSI cable and connector assembly is shipped with the SCSI filter board attacted to the SCSI cable, which in turn is loosely attached to the battery door connector.

Connect the SCSI filter and cable assembly to the appropriate NewLife 1 connector (Figure x) *after* NewLife 1 has been attached to the motherboard and the motherboard has been re-installed in the Mac.

Part 4: SOFTWARE INSTALLATION, SETUP AND USE

The steps in this section are performed after the NewLife 2 board has been installed and the Mac reassembled. If you have not completed this stage, refer to Part 3.

Installing the NewLife 2 Software

Step 1:   Insert master diskette supplied with NewLife 2 package. This disk contains a CDEV to control the NewLife 2 video port.

Step 2:   Make a copy of the NewLife 2 master diskette, then put the master diskette away in a safe place. Do not use the master diskette for the following step.

Step 3:   Drag CDEV icon from diskette copy into your system folder.

Configuring the NewLife 2 Video Port

Step 1:   Open up the control panel (under the menu).

Step 2:   Locate NewLife 2 Video icon *(insert picture at side)* and click on icon to open video configuration window.

Step 3:   Select a monitor configuration from the list by clicking once on the desired monitor name.

            Notes   a)   NewLife 2 software is shipped with the internal Mac screen pre-selected.

                    b)   The monitor configuration selected should correspond to the capabilities of your external monitor. That is, select 'Generic VGA 640 x 480' if you have attached a standard VGA monitor.

Step 4:   Close window and restart computer (**RESTART** under **SPECIAL** menu).

Step 5:   The happy Mac and **Welcome to Macintosh** will appear on the internal Mac screen during the initial stage of restart procedure.

            The internal Mac screen will then go blank.

            After a brief delay of a few seconds, your external monitor screen will come to life with the desktop displayed.

Step 6:   Happy computing!

Part 5: TROUBLESHOOTING GUIDE

If you are looking in this section, you have encountered one of the rare, but not necessarily dreaded trolls which are known to inhabit modern electronic systems. No matter, following the directions below will help you safely across the bridge of sorrows to the land of happy computing on the other side!

Step 1 Identify the problem

Scan the symptom column in the Table 4–1 below for the description which most closely matches the difficulty you are experiencing. Read across to identify the problem and some suggested fixes.

Step 2 Perform the suggested fix and try again

If you are still experiencing problems, return to Step 1.

Step 3 When all else fails...

If you have exhausted all possible paths to get your system working, or if specifically instructed in Table 4–1, contact our factory technical support group for assistance.

Technical support can be reached at:

1–800–267–7231

Monday to Friday, between the hours of 08:30 and 17:30 Eastern Time

When calling Technical Support for assistance, please have the following information handy *before* you dial. Your cooperation in this regard will allow us to provide you with the best possible service.

- Your name and telephone or fax number

- NewLife product name and serial number

- Version number of System and Finder you are using when problem occurs

- Applications which are running when problem occurs

- Description of the problem, including any screen messages and/or numbers which are displayed

Thank You

<p align="center">**Table 4–1 : TROUBLESHOOTING GUIDE**</p>

Symptom	Possible Problem and Suggested Fix
On powerup, nothing happens or both screens are blank	• Check that computer is plugged into a live outlet and turned on. • If system still doesn't come up, remove NewLife board, reassemble Mac and restart. • If Mac *does not* restart properly, Mac is defective – contact your Mac dealer or repair centre. • If Mac restarts properly, NewLife board may be defective – contact technical support for assistance.
Mac with flashing '?'	• Startup disk is not a system disk, or is defective. Restart using a functioning system disk.
Checkerboard pattern or vertical lines are observed on powerup	• Killy Klip is loose or CPU/socket pin(s) is bent. • If Killy Klip is installed, inspect clip for pins which are either too high or too low. Reseat offending pin and remount Killy Klip. Verify pin continuity with an ohmmeter. • If CPU pin kit is installed, problem could be a bent pin or a cold solder joint. First remove board and inspect for bent pins, straighten offending pins then *carefully* reseat socket. • Second, check each pin with an ohmmeter to verify continuity. If a discontinuity is found, carefully resolder the offending pin.
Sad Mac on powerup	• Indicates incorrect SIMM placement on NewLife board, or a defective SIMM module. • First, verify that jumpers W1–W5 have been correctly set for your memory configuration (refer to Part 3) • Then ensure that 256K and 1 Meg SIMMs have been properly placed in the appropriate slots as indicated in Part 3 *and* by the jumper settings. Note that the SIMMs you are installing must *exactly* match the jumpers you have set. • If Sad Mac still appears on powerup, one or more of your memory SIMM modules is defective – contact dealer where you purchased the memory.
Intermittent Sad Mac or System bomb during operation	• Intermittent connection between Killy Klip and Mac CPU. • Refer to fix under 'Checkerboard pattern' symptom. *Note that some INITs conflict with some application programs to produce similar intermittent system failures. Verify that this type of software conflict is* not *the problem before opening up the Mac to check the hardware connections inside.*
SCSI peripheral is not recognized or does not mount	• Ensure peripheral software is correctly loaded and configured.

- SCSI address on peripheral is not set properly – refer to peripheral user manual for setting the proper SCSI address.
- Bad connection in SCSI cable between Mac and peripheral – replace SCSI cable.
- Ensure SCSI filter board is properly installed (see Part 3)
- Bad connection in internal SCSI cable between NewLife board and battery door connector – disconnect and reseat cable to ensure a solid connection at each end. If problem persists, contact technical support for assistance.

Happy Mac and 'Welcome to Macintosh' appear on Mac screen before it blanks, but nothing appears on external monitor

- Check that external monitor is plugged in and turned on.
- Check that video cable to external monitor is connected.
- Check that fuse in external monitor (if any). If blown, replace and restart system.
- An invalid monitor configuration has been selected. Select another configuration from the Control Panel and restart system.
- Verify that video cable to external monitor is good. If not, replace cable.
- Check internal video cable from NewLife board to DB9 connector on back of Mac. If cable is defective or intermittent, call technical support.
- If problem persists after verifying each step above, call technical support for assistance.

Scrambled display, rolling display, garbage on screen or display won't sync

- An invalid monitor configuration has been selected. Select another configuration from the Control Panel and restart system.
- Video cable to external monitor may be loose. Inspect, reseat and tighten video cable connectors and try again.

Image is skewed on the screen
- Monitor configuration data is incorrect – *not user adjustable* – call technical support or your dealer for assistance.

Image is distorted in vertical or horizontal direction

- Monitor configuration selection is not optimal. Select another configuration from the Control Panel and restart system.
- Monitor aspect ratio is incorrect. Adjust horizontal width and/or vertical size of the monitor. Refer to monitor user guide for directions on performing these adjustments, or contact your dealer.