

CopyWrite

Backs up
copy-protected software
and
runs it from
your hard drive



Quaid Software Limited

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Printed May 1989

revised May 1989

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PART I

General

Chapter 1

Introduction

CopyWrite is a set of utilities that will enable you to make backup copies of software program diskettes and run certain programs from your hard drive.

To run CopyWrite you will need an IBM or compatible personal computer, 128kb or more of memory and one or more 5 inch or 3 inch diskette drives. CopyWrite runs on the IBM PC, XT, AT and PS/2. It does not run on the PC jr or convertible.

CopyWrite comes on a single-sided DOS formatted diskette containing the following files:

File	Purpose
copywrit.com	CopyWrite system
zerodisk.com	Utility for running software from the hard drive
ramkey.com	Utility for running copies
unguard.com	Utility for copying Prolok and Softguard
rescue.com	Utility for removing copy protection
soloboot	Utility for copying self booting game software
read.me	Revisions to this manual

MAKE A BACKUP COPY OF COPYWRITE BEFORE USING IT. CopyWrite is not copy protected. You can make a backup using the copy or diskcopy commands of DOS. Then you will be able to continue to use CopyWrite, even if your working copy is damaged.

PUT A WRITE-PROTECT TAB ON ORIGINAL DISKETTES BEFORE COPYING WITH COPYWRITE. This will protect you against many kinds of accidental damage to your original.

Making backup copies with CopyWrite will take from 1.5 to 10 minutes,

depending on the type of software, the copy protection system encountered and the amount of memory installed in your computer.

In this manual, we use icons for the names of the keys. For example, **[Enter]** is the Enter key, called return on some systems.

Because publishers of copy protected software often change their protection methods, CopyWrite is revised regularly to incorporate necessary changes. Revisions also include the ability to make backup copies of new programs or those gaining popularity. When your edition of CopyWrite is not current, take advantage of our revision offer described in the section Further Information.

When we have to revise this manual, we put the changes in a file called `read.me` on the CopyWrite diskette. To see the changes, put the CopyWrite diskette in the A: drive, then at the DOS prompt key in the command `type a:read.me` and press the **[Enter]** key.

Chapter 2

Software List

CopyWrite can make backup copies of software products in this list. The **how** column refers to the CopyWrite utilities required to make the backup copies. cw means run copywrite.com, rk means use CopyWrite and Ramkey, sb means use CopyWrite and SoloBoot, zd means that the program can run from a hard disk with ZeroDisk, un means use UnGuard (the file name under **notes** is the one to use as **Source file**) rc means use Rescue (the file name under **notes** is the one to use as **Source file**). Refer to the Using CopyWrite section for how to use each of these utilities. Generic means this method applies to many products of one manufacturer. Install means that you must install the product on a hard disk before running UnGuard.

Software Product and version	how	notes
4th & Inches by Accolade	cw	
4th & Inches by Accolade	rc	accol
6809 C Compiler	zd	
80mate: Vertex	cw	
Abstat-DOS 4.00	rk	
Accolade (generic)	rc	accol
ACS Illustrator v.Super Plus	rk	
ACS Policy Comparison		
Acumen	cw	
Advanced DB Master	cw	
Advanced Flight Simulator	rc	elecarts
Advanced Flight Simulator	rk	
Adventure: Microsoft	cw	
Ag Ration	un	ag.com
Airborne Ranger by MicroProse	cw	
Airborne Ranger by MicroProse	rc	micro
Allen Bradley PLC-2 Ladder Logic v1.02	un	pc2menu.com
Allen Bradley PLC-2 Online Progr v0.62	un	pc2tol.com
Allen Bradley PLC2 6.20	un	abtop.exe hduil.exe
Alpine Encounter	cw	(floppy boot disk)
American Challenge, The	cw	(copy 1 side only)
Amnesia	rk/sb	(install)
Ancient Art of War at Sea v1.0	rc	warsea

Ancient Art of War: war.exe 3-85	cw	
Ancient Art of War: war.exe 8-21-86	cw	
Ancient Art of War: war.exe 12-02-85	rk	
Andrew Tobias' Managing Your Money v1.0	cw,zd	
Andrew Tobias' Managing Your Money v1.2	cw,zd	
Andrew Tobias' Managing Your Money v2.0	cw,zd	
Andrew Tobias' Managing Your Money v3.0	cw	
Andrew Tobias' Managing Your Money v3.0	zd	
APBA Major League Player's Baseball	rk	
Apple Panic	cw	
Archon	sb	
Arctic Antics Spy vs Spy III by Epyx	rc	epyx
Arctic Fox	rk	
Arctic Fox by Electronic Arts	rc	elecarts
Art of Negotiating, The v1.0	un	neg.exe
Art Studio v1.0	rk	(mouse required)
ASAP 5	cw	
Asylum: CAU	cw	
Asyst v1.02	rk	(8087,RGB required)
Asyst v1.50	rk	
Asystant Plus v1.00	rk	
Asystant v1.02	rk	
ATI: Teach Yourself dBase III Plus	cw	
ATI: Teach yourself Dbase III Plus	rc	ati.1
ATI: Teach yourself Lotus 1-2-3	rc	ati.1
ATI: Training Power	cw	
Auditor, The	cw	
Auto Duel by Origin Systems	rc	british
Auto-Mate Plus v2.51	un	mm.com (install)
Auto/Steel Design	un	dsnset.com (install)
Autographix 35 v2.1	cw	
Award Maker Plus	cw	
Back to Basics 1.02 Peachtree	un	glbtb.com
Back Trak v2.0	un	backtrak.exe
Backgammon v5.0	cw	
Balance of Power 1.00	cw	
Balance of Power v1.1 by Mindscape	rc	bop
Bank President	cw	
Bank Street Writer	cw	
Bar Code Label Maker 1.66	cw	
Battle for Normandy	cw	
Beams & Frames	cw	
Beneath Apple Manor	cw	
Big Top: Funtastic	cw	
Black Cauldron: cpc.com dated 9-85	cw	(hidden file)

General 2 Software List

CopyWrite

Black Cauldron: v1.00.00	cw	
BLAST v7.0	rk	
Bluebush Chess	cw	
Bop 'n' Wrestle by Mindscape	cw	
Bop 'N' Wrestle by Mindscape	rc	mind
Braille-Talk v2.0	un	
Bubble Ghost	cw	
Bubble Ghost (run on A: drive)	rc	accol
Buck Rogers Planet of Zoom	cw	
Burger Time: Mattel	cw	
Business Profiles v1.1	cw	everlock v1.85
Business Valuation v1.1	rk	
Byline 1.0 (French)	un	byline.com (install)
Cal-Q-Tax	cw	
Calendar Creator	rk	
California Games by Epyx	rc	calgames
Captain Blood by Mindscape	rc	mind
Carbon Copy v2.14	cw	
CDEX Training 2.0	cw	
Championship Boxing	cw	
Championship Lode Runner	sb	
Character Generator	cw	
Chart Master v6.05	cw,zd	
Chart Master v6.1	cw,zd	
Chart: MicroSoft v3.0 (in French)	cw	
Chartit v4.01	un	chartit.com
Chess Master v1.00 by Software Toolworks	rc	chessv1.00
Chess Master v1.00 by Software Toolworks	rc	chessv1.02
Chess Master v1.00 by Software Toolworks	rk	
Chess Master v1.21 by Software Toolworks	rc	chessv1.21
Chess Master v1.21 by Software Toolworks	rk	
Chess: Parker Bros	cw	
Chomps	cw	
Client Information System	un	
Client Strategist	cw	
Clipper summer 85	un	clipper.com
Clipper winter 85	un	clipper.com
Clout	cw,zd	
Cogo by Civil Soft v4.12L	un	cogo.com
CollectorJR	cw	
Color Magic	cw	
Commando by Data East	cw	
Competitive Edge, The	cw	
Compress 86.1	un	pv.exe
Computer Checkup	rk	

Computer Novel Construction Set	rk	
Computer Scrabble	cw	
Concentric Information Processor	rk	
Concrete Beam Design v2.00	cw	
Context MBA	cw	
Control/Center v1.1	un	control.com
ConvertaCalc v1.53	cw	
Corporate MBA r1.0	cw	
Cosmic Crusader	cw	
Cosmic Nightmare	cw	
CPB/Score	un	cpbenter.com
Creative Contraptions: Bantam	cw	
Creator, The	cw	
Crossfire :Sierra	cw	
Crossword Magic :Mindscape	cw	
CSG-Corporate Income Tax	cw	
CSG-Corporate Income Tax v87.20	cw	
CSG-Personal Income Tax	cw	
CSG-Personal Income Tax v88.00	cw	
Customer Prospect System v3.1	rk	
Cut and Paste	sb	
Cyrus Chess	cw	
Czorian Siege: CAU	cw	
Dadisp v1.02	un	dadisp.com (install)
Data Base Manager II	rk	
Datability	cw	
dB/Compiler v1.4	un	
dBase III v1.0	rk	
dBase III v1.0 (french)	un	dbase.com
dBase III v1.1	un	dbase.com
dBase III Plus LAN Pack v1.0	un	access.com (install)
dBase III Plus v1.0	un	dbase.com
dbCAT : A.I.D. v1.0	cw	
Deadline: Infocom	cw	
Death Sword by Epyx	rc	epyx
Decathlon: Microsoft	cw	
Defender of the Crown :Mindscape	cw	
Design Estimator	rk	
DFDdraw by McDonnell Douglas	rc	mind
Diagram Master v5.0	rk,zd	
Diagram Master v5.01	rk,zd	
Diagraph v3.4.1	un	csamodi.com (install)
Diagraph v3.5	un	csamod5.com (install)
Diagraph v3.5.1	un	csamodi.com (install)
Diagraph v4.0	un	csamodi.com (install)

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CopyWrite

Direct-Tree v3.51	un	dtreed.com (install)
Disk Mechanic: MLI	cw	
Disk Optimizer v1.2	un	optimize.com
Disk Optimizer v1.4	un	optimize.com
Disk Technician v1.0 rev 3.96	cw	
Disk Technician v1.0 rev 3.97	cw	
Disk Technician v1.0 rev 4.00	cw	
Disk Technician v2.0 rev 4.00	cw	
Disk Technician v2.0 rev 4.03	cw	
Disk Technician v2.0 rev 4.04	cw	
Disk Technician v2.0 rev 4.05	cw	
DNA Protein Sequence Analysis	rk	
DocuCalc: Micro Decision v5.12	cw	
DocuCalc: Micro Decision v6.0	cw	
Dollars & Sense v2.0	cw,zd	
DOME-Simplified Bookkeeping 1.0	cw	flippy diskette
Donald Ducks Playground	cw	
DoubleDOS v1.1	un	doubldo.com (install)
DoubleDOS v2.1	un	doubldo.com (install)
Dow Jones Prospect Organizer	rk	
Dr Halo v1.26	un	drhalo.com
Dunzhin: CAU	cw	
E-Z Telephone	cw	
Early Games by Spring Board	cw	
Easy Trader 1 v1.4	rk	
Easy Trader 2 v2.4	rk	
EasySpeller: IUS	cw	
EasyWriter: IUS	cw	
Electric Desk new version	rk,zd	
Electric Desk old version	rk,zd	
Electronic Arts (generic)	rc	elecarts
Emu-Tek	cw	
Enable	rk,zd	
Enchanter: Infocom	cw	
Entry System: Bellesoft	cw	
Epyx (generic)	rc	epyx
ESP v1.10	cw	
Everlock (generic) by AZ-Tech	cw	
Everlock (generic) by AZ-Tech	un	
Evolution: IBM	cw	
Executive Picture Show	cw	
Executive Suite	cw	
Execuvision	cw	
Exodus: Ultima III	cw	flippy disk
Expert Choice	cw	Everlock 1.70

Expert Choice	cw	Everlock 1.71
Expert-Ease v1.00	cw	
Exsys Runtime	un	exsys.com
F-15 Strike Eagle by MicroProse	sb	
F-19 Stealth Fighter by MicroProse	cw	
F-19 Stealth Fighter by MicroProse	rc	micro
Fast (Field Audit System Technology)	un	faspro.com
Fastback v4.7	rk	
Fastback v5.0	rk	
Fastback v5.03	rk	
Fastplan v5.3	cw	
Faultmaster v1.05	un	fault.exe
Faultmaster v1.05	un	mrinstal.exe
Faultmaster v1.05	un	ipsys.exe
Financial Cookbook	sb	
Financial Horizons II	cw	
Financial Planning Professional 1.0	un	fpp.com (install)
Financial Profiles v1.1 v1.2	cw	Everlock v1.85
Financial Profiles v1.5	un	fp.com
Financial Profiles v2.0	un	fp2.com
Financial Profiles v2.4	cw	Everlock v 1.84
Financial Profiles v2.5	cw	Everlock v 1.85
FinSim II	cw	
Fixed Asset Accounting v3.01	rk	
Fixed Asset Accounting v3.11	rk	
Flight Simulator: Microsoft	cw	
Flow Charting v1.4	rk	
Football	cw	
Fourier Perspective v1.0	cw	
Fraction Factory Homework Helper Math	cw	
Framework II v1.0	un	fw.com
Framework v1.0	rk,zd	
Framework v1.1	rk,zd	
Framework v1.1	un	fw.com
FreeBase Information Management System	rk	
Freight Manager	rk,un	run.exe
Frogger: Sierra	cw	
Fun 10	cw	
Fundmaster TC v3.5	un	fntc.com (install)
FYI 3000	cw	
Gato v1.0	cw	
Gato v1.2	cw	
Gato v1.3	cw	
Gato v1.4	cw	
Gauntlet by Mindscape	cw	

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Gauntlet by Mindscape	rc	mind
Gauss v1.22	cw	
Gertrude's Puzzles	rc	learn
Global Thermonuclear War	cw	
Golden Common LISP v1.01	un	gclisp.com
Goldrush by Sierra	rc	gold
Gorgon II: Sirius	cw	
Gould-On-Line Programming	un	984tol.com
Grade Sheet v1.d	cw	
Grand Prix Circuit by Accolade	cw	
Grand Prix Circuit by Accolade	rc	accol
Grand Slam Bridge by Electronic Arts	cw	
Grand Slam Bridge by Electronic Arts	rc	elecarts
Graph-in-the-Box v1.1	un	gb.com
Graphic Print Screen	cw	
Graphics Expander Volume 1	cw	
Graphix Partner	cw	
Graphwriter	cw	
Grid Designer	rk	
Group Department v1.0	rk	(password:Dinan)
Group Rater	rk	
GunShip :Microprose	cw	
Gus v3.0	cw	
Hacker :Activision	cw	
Hacker II	cw	
Hard Ball by Accolade	cw	
Hard Hat Mack	sb	
Hard Runner	cw	
Hardball (cga, ega, tandy) by Accolade	cw	
Hardball (cga version) by Accolade	rc	accol
Harrier by Mindscape	rc	mind
Harris-Desk Wordprocessor v2.67	cw	
Harvard Project Manager	cw,zd	
Harvard Total Project Manager v1.06	rk,zd	
Harvard Total Project Manager v1.08	rk,zd	
Harvard Total Project Manager v1.0b	rk,zd	
Hat Trick by Capcom	cw	
Helicopter Simulator by Sierra	rc	sierra
Higgins LAN	cw	everlock
Holy Grail, The - A TimeQuest Adventure	sb	
Hometel 1.09 (French)	un	hometel.com
Homework Helper - Math Word (Spinnaker)	cw	
IFPS/Personal v2.0	cw	
IFPS/Personal v2.1	un	ifps.com (install)
Impossible Mission	rc	mission

Inca - A TimeQuest Adventure	sb	
Individual Training for dBase III	rk	Xelok 2
Infiltrator	cw	
Infiltrator by Mindscape	rc	mind
Infiltrator II by Mindscape	rc	mind
Infogate 1.0 by Cullinet PC Software	rc	infog
InSearch: Menlo	cw	
Instructor, The	cw	
Instrument Management Systems	rc	instrm
Intercomm Series DCM 102	cw	
Interlude II	sb	
Intro Series	cw	
JetFighter:The Adventure by Broderbund	cw	
JetFighter:The Adventure by Broderbund	rc	jetfit
John Elway's Quarterback by Melbourne	cw	
JFORMAT: Tall Tree	cw	
Karateka	cw	
Ken Uston's Professional Blackjack	rk	
Key Chart v3.0	un	softkey.com
Key Entry III v3.9L	cw	
Key Entry III v4.0L	rk	
Key Entry III v4.0N	rk	
Key Entry III v5.1h	cw,rc	key3v5.1h
King's Quest II Romancing the Throne	cw	
King's Quest II Romancing the Throne	sb	
King's Quest III	cw	
King's Quest III	rc	sierra
King's Quest IV Perils of Rosella	rc	kquest4
Knowledge Man	cw	
Kriestel 1.0 (French)	cw	
Label Maker Utility II	un	u2.com (install)
Laserific v3.1	un	hp.com (install)
Le Secretaire Personnel v2.001A	rk	
Leisure Suit Larry by Sierra	cw	
Leisure Suit Larry by Sierra	rc	sierra
Leisure Suit Larry Looking For Love	rc	larry2
Lightning v4.40p	cw	
Lightyear v1.0	rk,zd	
Little Black Book v1.00	cw	
Little Black Book v1.09	cw	
Load Flow v1.03	un	flow.exe
Load Flow v1.03	un	ipsys.exe
Load Flow v1.03	un	mrinstal.exe
LoadCalc v5.16	cw	
LoadCalc v5.17	cw	

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CopyWrite

Loadit, Stackit, Packit	rk	
Lode Runner	sb	
Logger v2.1	un	logger.com(install)
Lotus 1-2-3 r1A	cw,zd	
Lotus 1-2-3 r2.0	un	123.com
Lotus 1-2-3 r2.01	un	123.com
Lotus Report Writer	un	report.com
Luscher Profile	cw	
Magnetostat NL v3.0	cw	Everlock v1.68
ManHunter : NewYork by Sierra	rc	manhunt
Map Master 6.0	zd	
Marble Madness	sb	
Market Analyst v2.00	cw	
Market Mogul	cw	
Marshall and Swift Estimator CPP 3.5	un	estc.com (install)
Master Miner: Funtastic	cw	
Master PC v1.08	cw	
MasterType	cw	
Math Maze	cw	
Math Rabbit by The Learning Company	rc	learn
Math-Blaster: Davidson	cw	(write protected. 1 side)
Math-Thematique (French)	un	hello.com
Mavis Beacon Teaches Typing	rc	toolwork
Maximizer v1.5	cw	Everlock v1.85
Mean 18-Golf golf.exe 1-87	rk	no EGA support
Mean 18-Golf golf.exe 2-86	cw	EGA version
Mean 18-Golf golf.exe 2-87	rk	
Mean-18 Golf by Accolade	rc	accol
Memory / Shift	cw	
Mesa	cw	
Micro / SPF v3.0	rk	
Micro Cap II v4.0	un	mc2.exe
Micro Cap II v4.5	un	mc2.exe
Micro chess - processing	cw	
Micro Foresight: ISA	cw	
Micro TSP student version 5.1	cw	
Micro TSP v4.1c	un	tspmod1.exe
Micro TSP v4.1d	un	tspmod1.exe
Micro TSP v5.0d	un	tsp1.com
Micro TSP v5.1	cw	everlock v1.85
Micro TSP v6.0	un	tsp.exe
Micro-Ed: CLAS	cw	
MicroCAD	cw	
Microcomputer Accounting Application	cw	
MicroReality v2.0 rev.B	un	reality.com (install)

Might & Magic	rc	m&m
Mind Prober: Human Edge	cw	
Mind Reader v2.0	un	mr.com
Mindscape (generic)	rc	mind
MiniGolf	sb	
Mini-Putt by Accolade	cw	
MiniTab v1.1	cw	
Mixit 2+ v2.0	cw	everlock v1.83
Molecular Presentation Graphics	cw	
MoneyTrack	rk	
Movie Magic v2.1	rk	
MPA - Detail Technologies Data Entry	cw	everlock v1.90
MSC-CASE v2.1	un	case.com
MSC-PAL 2	un	mscpal2.com (install)
MultiLink Advanced r3.2	cw	
MultiLink r3.00	cw	
Multilog v2.42	cw	
Multimate: Softword	cw	
Multiplan: french version	cw	
Multiplan: Microsoft v2.02	cw	
Multiram: Softsmith	cw	
Murder on the Zinderneuf	sb	
Music Construction Set	sb	
Music Construction Set IBM Version	sb	
My ABC's: Paperback Software	cw	
Mystrix: Insoft	cw	
New York Times Crosswords	rk	
Newsroom Clip-Art Disk	cw	
Newsroom: Springboard	cw	
Night Stalker: Mattel	cw	
Novell Netware v.2.11	cw/un	getdata.com
Numa-Logic Advanced Program Loader v2.0	un	all exe files.
Numa-Logic Advanced Program Loader v4.1	un	poutil.exe doc784.exe
Number Works v1.0	cw,rk	
NutriQuest II v2.1	un	nq.exe
Off-The-Record	rk	
Office Writer	cw	
Offix	cw	
One Key Calculator	rk	
One On One	sb	
One On One	sb	
Open Access II French	cw	
Option Pricing Analysis 2.0	un	options.exe
Orgchart v1.1	un	start.exe
Orge v1.06	rk	

General 2 Software List

CopyWrite

Origin Systems (generic)	rc	british
Oublie Hac	cw	
p-CAD: Personal CAD	rk	
PAC-PC 2.25	un	pac-init.com
Paradox v1.0	un	paradox.com
Paradox v1.1	un	paradox.com
Paul Whitehead Teaches Chess	rk	
PC 2622 v3.09	un	pc.com
PC 2622 v3.17	un	pc.com
PC Arcade: Friendlyware	cw	
PC Bond Manager-Bondcalc/Bonddata v4.1	rk,un	bondcalc.exe
PC Bond Manager-Bondcalc/Bonddata v4.1	rk,un	bonddata4.exe
PC Bond Manager-Bondman v3.0	un	bondman.exe
PC Bond Manager-Bondman v4.1	un	
PC Focus v1.0	rk,zd	
PC Focus v1.5	rk,zd	
PC Focus v1.5	un	focus.com
PC Focus v2.0	un	focus.com
PC Focus v2.01	un	focus.com
PC Harmony v2.35	un	harmony.com(install)
PC In Plain English, The	un	cpsam.com
PC Mailer	cw	
PC Man	cw	
PC Matlab	un	pematlab.com
PC Micro Tutor	rk	
PC Simnom v1.0	un	simnom.com
PC Slide v2.21p	un	main.com
PC Slope v3.0	un	pc-slope.exe
PC Tally v1.3	un	pctally.com
PC Technician v1.09	cw	
PC World	cw	
PC-51	cw	
PC-Cad Crete Adoss		
Peak Performance Run	rk	
Pegasus Multi-User System 6C0.24	rk	
Personality + II v2.8	cw	
Pertmaster v6.0 1500	cw	
PFS File	cw	
PFS Write	cw	
Phi Beta Filer	cw	
Picture Perfect v3.4.1	un	csamopp.com
Picture Perfect v3.5	un	csamopi.com
Picture Perfect v4.0	un	csamopp.com
Pig Pen: Datamost	cw	
Pinball Construction Set IBM ver.	sb	

Pinball Construction Set Tandy ver.	sb	
Pinball Wizard by Accolade	cw	
Pirates by Microprose	cw	
Pits & Stones: Foundation	cw	
Pits and Stones: Orion	cw	
Planmode v3.1	un	planmode.com
Platoon by DataEast	rk	
PLC-2 Ladder Logistics	cw	
Plotrax: Omicron	cw	
Pluto v4C.6	cw	everlock 1.71
Police Quest II:		
The Vengeance by Sierra	rc	policeq2
PolyWindows	cw	
Power 1.30	un	power.exe (prolok 2)
Power-base	rk	
Print Shop ps.exe 01-87	rk	
Print Shop ps.exe 03-87	rc	prtshop
Print Shop ps.exe 11-85	cw	
Print Shop Companion	cw	
Printer Basher	cw	
Pro-Cite	rk	prolok diskette
Prodesign II 2.5	un	pd.com (install)
Professional Bibliographic System 2.02 rk		
Professional Blackjack 1.20	cw	(flippy disk)
Professional Tax Planner v4.0	rk	
Professional Tax Planner v4.1	cw	
Professional Tax Planner v5.1	cw	
Professional Tax Planner v5.21	rk	
Professor DOS v2.30	rk	
Project Scheduler 5000	cw	
Project Workbench Manager	cw	
Project: Microsoft	cw	
Prokey v3.0	cw,zd	
ProLok II by Vault	un	
Proofwriter : I.P.S. v2.34S	cw	
Protel-PCB Layout 2.0	un	plot.com
PSpice	rc	pspice
Q-Bert	cw	
QED DOS Made Easy v1.03	cw	
QED Easy Learning PC Plus	cw	
QED Easy Learning PC Plus v1.02	cw	
qPlex IV v2.0k	cw	
Quality Alert: Penton v2.5	un	setray.com
Quick-Look Tax Planner	cw	
QuickCode III	cw	

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CopyWrite

Quicken	rk	
QuickReport	cw	
Qwiknet v2.00	cw	
R:base 4000: Microrim	cw	
R:Graph: Fox and Geller	cw	
Radar II ver 4.0c	rc	radar2
Radar III	cw	
RadWarrior	rc	radwar
Rambo: First Blood Part II	cw	
Rampage v1.0 by Activision	rc	rampg
Rampage v1.0 by Activision	rk	
Reader Rabbit by The Learning Company	rc	learn
Reader Rabbit v1.3	rk	
Reader Rabbit v1.4d	rk	
Reader Rabbit v2.1	rk, rc	learn
Reader Rabbit v2.5	rc	learn
Real Estate Consultant	cw	
Real Estate Investor II	cw	
Realia COBOL v1.20	un	realcob.com
Realia COBOL v2.0	un	realcob.com
Redlog	un	scm.com (install)
Redlog Issue 5	un	scm.com (install)
Reflection 1+ v1.30	un	r1.com
Reflection 3 v1.50	un	r3.com
Reflection 3+ v1.30	un	r3.com
Remote Control: Kensington	cw	
Residential Realtor	un,rk	hdutil.exe
Residential Realtor	un,rk	qc.exe
Residential Realtor	un,rk	trilogy.exe
Residential Realtor	un,rk	hdprolok.exe
Reva Pro-Value Program		ippcopy.exe
Reva Pro-Value Program	un,rk	init.exe
Right-J v1.10ey	cw	Everlock v1.79
Rocky's Boots	rk	
Rode / PC v1.2	un	rodepc.com (install)
Rode / PC v1.3a	un	rodepc.com (install)
Rogue:Epyx	cw	
ROM check	cw	
Sailing Simulator v2.33S	cw	
Sargon III OLD	cw	
Savior, The : Omega	cw	
Screenio v2.0	un	pef.com
Scriptor by Screen Play Systems	un	scriptor.com
Search IV	un	dps6.com (install)
Selkirk Correspondent	cw	

Set-FX	cw	
Seven Cities of Gold, The	sb	
Shanghai (run on A:) by Activision	rc	shanga
Shanghai (run on C:) by Activision	rc	shangc
Sherlock Holmes: Bantam	cw	
Shultz's Treasure	cw	
Sibyl/Runner v4.03	un	method.exe
SideKick: Borland	cw	
Sideways	cw	
Sierra (generic)	rc	sierra
Sigma Plot	un	sigmaplo.com (install)
Sign Designer	rk	
Sign Master	cw,zd	
Silent Service	sb	
SimPC v4.1	cw	Everlock v1.85
SKP (Sketch Processor)	cw	Everlock v1.85
Smart System, The v1.00	cw	
Smarterterm 100 v4.0c	rk	
Smarterterm 100 v4.0f	rk	
Smarterterm 100 v4.0g1	rk	
Smarterterm 220 v1.0A	rk	
smARTWORK v1.0 rev 1	rk,zd	
smARTWORK v1.0 rev 2	rk,zd	
smARTWORK v1.0 rev 3	rk,zd	
smARTWORK v1.0 rev 5	rk,zd	
smARTWORK v1.0 rev 8	rk,zd	
smARTWORK v1.0 rev 9	rk,zd	
smARTWORK v1.2 rev 2	zd	
smARTWORK v1.2 rev 3	zd	
smARTWORK v1.2 rev 7	zd	
Snap v1.1	rk,un	snp.exe, hduil.exe
Softronics	cw	
Software Carousel v2.00	un	carousel.com
Space Decathlon	cw	
Space Quest	cw	
Space Quest II	cw	3" & 5" diskettes
Space Quest II	rc	sierra
Space Station Oblivion by Epyx	rc	epy
Space Strike: Datamost	cw	
Spectrum v4.0	un	a.exe, e.com
Speed Reader II: Davidson	cw	
SPOC	cw	
Spotlight v1.1	un	sl.com
Spreadsheet Auditor v2.0	un	au.com (install)
SPSS/PC Plus Advanced Statistics	rk,zd	

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SPSS/PC Plus Graphics	rk,zd	
SPSS/PC Plus Tables v1.0	rk,zd	
SPSS/PC Plus v1.0	rk,zd	
SPSS/PC v1.0	rk,zd	
SPSS/PC v1.1	rk,zd	
SPSS/PC+ v2.0 advanced statistics	rc	spsspcv2.0
SPSS/PC+ v2.0 base	rc	spsspcv2.0
SPSS/PC+ v2.0 tables	rc	spsspcv2.0
SQCpack v2.0 IBM version 2	un,rk	sqc1.exe
SQCpack v3.1	un	sqc1.exe
Squire v1.1	cw,zd	
Star Polish	cw	
Star Trek-The Kobayashi Alternative	rk,zd	
Starcross: Infocom	cw	
States and Traits	cw	
StatMaster APBA v1.0	cw	
Stockcharting	cw	
Strat-O-Matic Baseball	cw	
Street Sport Basketball : Epyx	cw	
Sub Battle	rc	sbattle
Sub Mission	cw	
Sub Mission (1987) by Mindscape	rc	accol
SubBattle by Epyx	rc	sbattle
SumQuest	un	sqf.exe
Super DB v2.11	rc	superdb.1
SuperCalc (French version) v2.0	cw	
SuperCalc 4 French v1.01	un	sc4.com
SuperDB	rc	superdb.1
SuperLok by Softguard	un	
SuperProject (R) Plus v2.00	rk	
SuperProject v1.10	cw	
Superstar Ice Hockey by Mindscape	cw	
Superstar Ice Hockey by Mindscape	rc	mind
Superstar Indoor Sports	cw	
Superstar Indoor Sports by Mindscape	rc	mind
Survey PAC : Maptech Inc.		cogo.com (install)
Survey PAC : Maptech Inc.	un	traverse.com (install)
Sylvia Porter's Financial Planner	cw	
Symphony v1.0	cw,zd	
Symphony v1.01	cw,zd	
Symphony v1.1	un	symphony.com
Symphony v1.2	un	symphony.com
Tabulyzer v6.02	cw	
Task Manager: Quala	cw	
Tax Shelter Investment Planner	rk	

Teachers Pal 1.0	cw	
Technical Trader v8.2	rk	
Test Drive by Accolade	cw	
Test Drive by Accolade	rc	accol
Textor v2.2 (1983)	rk	
Textor v2.2 (1986)	cw	
Textor v2.2 (French)	cw	
Textor v3.0	cw	
Textor v3.0 (1986)	cw	
The Idea Generator v1.00	un	idea.com
The Learning Company (generic)	rc	learn
Thexder	cw	
Thexder by Sierra	rc	sierra
Think Quick by The Learning Company	rc	learn
ThinkTank v2.0	cw,zd	
Timepiece: TechArt	cw	
Tink! Tonk! Castle Clober	cw	
Tink! Tonk! Pinks Adventure	cw	
Tink! Tonk! Subtraction Fair	cw	
Tink! Tonk! Tinka's Mazes	cw	
Tink! Tonk! Tuk Goes to Town	cw	
TK! Solver: Software Arts v1.6	un	tk.com
To Diablo v1.02 by Diablo Systems Inc.	cw	
To Diablo v1.02 by Diablo Systems Inc.	rc	mind
Topaz	un	hduil.exe topaz.exe
Touchstone	cw	
Tournament Bridge	rk,zd	
Toy Shop	cw	
Transend	cw	
Trivia Savant	cw	savant.exe 2-26-85
TriviaFever	cw	
TurboCom v1.0	cw	
TVB Maximizing Media Performance	un	mmp.com
Tycoon: Blue Chip	cw	
Typesfaces II v1.14	rk,zd	
Typewriter, The	rk	
Typing Instructor v2.00	rk	xelok2
Ultima II: Sierra	cw	
Ultima III	cw	
Ultima V	rc	british
Ultima V by Origin Systems	rc	british
Ultralight Command: Fast n Fun	cw	
Ulysses: Sierra	cw	
Venture: Weiss	cw	
Vfeature Deluxe:Golden Bow v2.36	cw	

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Vfeature Deluxe:Golden Bow v2.39	cw		
VisiCalc r1.0	cw		
VisiCalc r1.1	cw		
VisiFile	cw		
VisiOn	cw		
VisiSchedule	cw		
VisiSpell	cw		
VisiTrend 8Plot	cw		
VisiWord	cw		
Volatility Breakout System r2.0	un	vbstrad.com	
Volkswriter Deluxe	cw		
WAIC-R	rk		
WAIS-R	rk		
WatchDog v4.0	un	sad.com	
Where in the USA is Carmen Sandiego?	cw		
Where in the World is Carmen Sandiego?	cw		
Willow by Mindscape	cw		
Willow by Mindscape	rc	mind	
Winter Games : Epyx	cw		
Wizard of Oz by Windham Classics	cw		
Wizards Proving Grounds	cw		
Word Challenge: Proximity	cw		
Word Perfect v4.0 (Spanish)	un	wp.com (install)	
Word Perfect v4.2 (Spanish)	un	wp.com	
Word: Microsoft	cw		
Word: Microsoft v2.01	cw		
Word: Microsoft v3.0 French	cw		
Word: Microsoft v3.0 French	cw	3.5" diskette	
WordStar: MicroPro	cw		
Workshop v4.5	un	workshop.com	
WorkStation Basic rel 2.64	un	wb.com	(install)
World Games:Epyx	cw		
World Karate Championship:Epyx	cw		
World Tour Golf by Electronic Arts	rc	elecarts	
World Tour Golf by Electronic Arts	rk		
World's Greatest Baseball Game:Epyx	cw	flippy roster disk	
WPS Test Report v1.7	rk		
Write-Up Solution, The	un	1startw.exe	
Wylbur	cw		
X-Y-Z v1A	rk		
X-Y-Z: Consolidate v2.1	un,rk	xyz.exe xyzhdisk.exe	
X-Y-Z: Query v1.1	un,rk	xyzhdisk.exe	
X-Y-Z: Query v1.1	un,rk	query.exe	
XenoCopy: Vertex	cw		
XenoDisk: Vertex	cw		

Your Canadian Guide to Financial 1986	rk,un	pfp.exe
Your Canadian Guide to Financial 1986	rk,un	outerspc.exe
Your Personal Net Worth	cw	
Zaxxon	cw	
Zcard	cw	
Zim	cw	
Zim v2.4	un	zim.exe
Zim v2.5		xelok
Zim v2.53	rk	
Zork: Infocom	cw	
ZyIndex v2.10 batch J	cw	

PART II

Copy Protection

Chapter 3

Copy Protection and Piracy

Many software manufacturers use copy protection to inhibit piracy of their software; unfortunately, this same protection prevents paying customers from making backup copies of their software.

We sell CopyWrite because it is essential for users of software to be able to make an unlimited number of backup copies. Manufacturers that provide one backup copy have not satisfied your needs, since you will eventually ruin all of your copies.

CopyWrite is not intended for making copies to sell or give away, or for any use or purpose which deprives the software author of payment for his work.

Whenever possible we have provided the ability to trace the genealogy of copies made by CopyWrite in an effort to thwart those who attempt to use it for piracy.

Chapter 4

Types of copy protection

Although it is not important to know what type of software protection system is used on your software, two currently popular methods are SUPERLoK from Softguard, and Everlock. Prolok, from Vault Corporation, was formerly popular, and you may encounter it on old software.

Prolok diskettes have one or more small damaged areas on the recording surface. The actual process for making these diskettes is undisclosed, but we call the damage a laser hole. The software authenticates the diskette by writing to the area with the hole and reading it back. If the data read is the same as the data written, the diskette is treated as a forgery.

Included on your CopyWrite diskette are utilities for making backup copies of software incorporating these protection systems and for running certain software directly from your hard drive.

To determine which utilities you must use to make and run copies of your software, refer to the software lists in the introduction section of this manual.

For other software not covered on these pages, refer to the CopyWrite revision offer described in the Further Information section.

PART III
Using CopyWrite

Chapter 5

The basic operation

PUT A WRITE-PROTECT TAB ON ORIGINAL DISKETTES BEFORE COPYING WITH COPYWRITE. This will protect you against many kinds of accidental damage to your original.

RUN COPYWRITE WITHOUT RESIDENT SOFTWARE. Many resident software packages change the timing of certain vital operations within the computer.

For best results, CopyWrite must be given a perfect target diskette, (the diskette that CopyWrite is copying to). It is not necessary to format the target diskette before running CopyWrite.

With your computer turned on and the DOS prompt showing on the screen (A>, B> or C>), insert the CopyWrite diskette in the A: drive and close the drive door.

Type **a:copywrite** and press the **[Enter]** key.

When the main CopyWrite menu appears on screen, remove the CopyWrite diskette from the A: drive.

When using either one or two drive systems, the **Number of sides** function on the menu should be left at 2. For times when this may be changed see Special Cases in the Technical Notes section. To change the number of sides, using the **[↑]** or **[↓]** arrow keys, move the cursor to the **Number of sides** function. Pressing the **[+]** or **[-]** key will change the **Number of sides** option from 2 to 1.

The **Track range** should usually be left at 0-41. To change the **Track range**, using the **[↑]** or **[↓]** keys, move the cursor to the **Track range** function. Pressing the **[+]** or **[-]** key will change the **Track range**.

At the end of a copy, CopyWrite will sometimes display a series of messages on the screen. These messages do not necessarily indicate errors. Should you wish to review their meaning, refer to the chapter on Technical Terms.

CopyWrite is not as reliable as the copy and diskcopy commands of DOS. Therefore it may be necessary to make more than one copy of your software before getting a good copy.

5.1 Two drive systems

With the source diskette in the A: drive (the diskette you want to copy from) and a blank target diskette in the B: drive (the diskette you want to copy to), use the **↑** and **↓** arrow keys to move the cursor to the **Start copy** line and press the **Enter** key.

When the copy is completed, the menu will return to the screen, unless CopyWrite has a message to report. Using the **↑** or **↓** arrows, move the cursor to the **Exit to DOS** function and press the **Enter** key.

You may now run your software if the CopyWrite utility alone was required, or select another utility to run such as Ramkey or SoloBoot. UnGuard cannot be run from a CopyWrite produced diskette but must always be run from the original diskette.

5.2 One drive systems

When using a one drive system, CopyWrite will read from the original diskette, then ask you to remove the original diskette and replace it with the target diskette (the disk you want to copy to). Depending on the amount of memory you have, you may have to repeat this several times.

BE SURE TO PUT A WRITE-PROTECT TAB ON YOUR ORIGINAL DISKETTE. This is particularly important with a one drive copy, to avoid ruining your original in case you put it in the drive at the wrong time.

With the main CopyWrite menu on screen, using the **↑** or **↓** arrow keys, move the cursor to the **Start Copy** line and press the **Enter** key.

The system will display the following message:

I need the source diskette in drive a:
Please push the S key when it is ready.

Put the source diskette (the one you want to copy from) in the drive, close the drive door and press the **[S]** key. The system will begin to read the data and on completion, will display the following message:

I need the target diskette in drive a:
Please push the T key when it is ready

The target diskette is the blank diskette you want to copy to.

Remove the source diskette from the A: drive and put the target diskette in the drive, close the disk drive door and press the **[T]** key. The system will now write for a while.

The preceding steps will have to be repeated as many times as necessary to complete the copy.

When the copy procedure is completed, the menu will return to the screen. Using the **[↑]** or **[↓]** arrows, move the cursor to the **Exit to DOS** function and press the **[Enter]** key.

You may now run your software if the CopyWrite utility alone was required or select another utility to run such as Ramkey or SoloBoot. UnGuard cannot be run from a CopyWrite produced diskette but must always be run from the manufacturer's original diskette.

Chapter 6

Using ZeroDisk

ZeroDisk is a memory resident program that must be loaded into memory when running certain copy protected software.

To install ZeroDisk, with the DOS prompt showing on the screen (A>, B> or C>), insert the CopyWrite diskette in the A: drive and close the drive door.

Type the DOS command **a:zerodisk** and press the **[Enter]** key.

ZeroDisk can also be installed by adding the DOS command **zerodisk** to an **autoexec.bat** file. You must of course have the **zerodisk.com** file in your current directory.

When you want to run one of the programs that ZeroDisk allows, put the software diskette in a floppy drive and copy it to your hard drive, using the DOS copy command. It is usually convenient to put each system in its own directory. After copying, remove the program diskette from the floppy drive.

Once ZeroDisk is loaded in memory and the program you want to run has been copied to your hard disk, start your program in the normal manner.

Chapter 7

Using UnGuard

UnGuard processes software protected by Softguard and Prolok, to completely remove copy protection. The file it creates can be copied to any medium without restriction. Refer to the Software List chapter to find out whether your software can be processed by UnGuard.

To use UnGuard, your system must have two floppy disk drives or a floppy disk drive and a hard disk. Before using UnGuard, ensure that no memory resident software is installed, such as Sidekick or ZeroDisk. If it is, boot load your computer without the memory resident programs. After you are finished using UnGuard, you may again load your memory resident programs.

Turn on your computer and with the DOS prompt showing on the screen (A>, B> or C>), insert the CopyWrite diskette in the A: drive and close the disk drive door.

Since UnGuard will not allow you to set a DOS path, prior to running UnGuard, you should ensure that your target drive is set for the subdirectory the unguarded software will run in.

At the DOS prompt type **A:** and press the **[Enter]** key to make A: your default drive. Then type the DOS command **unguard** and press the **[Enter]** key.

Once UnGuard is loaded, a menu screen will appear. At this time, remove the CopyWrite diskette from the A: drive.

Insert the original program or system diskette in the A: drive and close the disk drive door.

Using the **[↑]** and **[↓]** arrow keys, set the functions required. Normally the A: drive will be the source drive, however to change this, use the **[+]** or **[-]** keys as required.

Using the **[↑]** and **[↓]** arrow keys, move the cursor to the **Source file** option and type in the source file name for your software (see Software lists).

Using the **[↑]** and **[↓]** arrow keys, move the cursor to the **Target drive** option. This is the drive which will receive the unprotected copy of your software. Using the **[+]** or **[-]** keys, set the drive option required.

To get UnGuard to start, move the cursor to the **Run source** function with the **[↑]** and **[↓]** arrow keys and press the **[Enter]** key. UnGuard will begin to run the protected software package. With most programs protected by Softguard and some protected by Prolok, UnGuard creates an .exe file on the target drive. The .exe file created has no copy protection, and will be larger than the original .com file for software using Softguard and smaller for software using Prolok.

Once the .exe file has been created, the original .com file is not needed on the target drive. When UnGuard is finished, all files from the original program diskette, (source disk), must be copied to the target drive, with the exception of the file which was designated as the **Source file**.

For example, if you had used the file XYZ.com as the designated Source file, UnGuard would have created a file XYZ.exe on the target drive. Upon completion of UnGuard, all other files from the source drive, with the exception of XYZ.com would be copied to the target drive.

Copying of the remaining programs to the target drive should be done using the DOS Copy command. The DOS Diskcopy command should not be used.

Once all files have been copied to the target drive, this drive or diskette then becomes the master diskette or drive for the program.

When using UnGuard with programs you must install first, UnGuard checks to see if an .exe file is present on the target disk. If it is, it will create a new .exe file with a **q** as the first character.

Files made by the install	File created by UnGuard
test.com	test.exe
test.exe	qtest.exe

When running the UnGuarded backup you must prefix the file name you normally use to run the program with a **q**. For example, you would no longer type **ifps** to run IFPS/Personal version 2.1. You would type **qifps** instead. If you use .bat files to load your programs, the .bat file

should also be changed. If the disk you installed your program to is not the same as the target disk, then UnGuard will create an .exe file with the same name as the .exe file on the source disk. Before copying the UnGuarded .exe file to your source drive (or the program's .exe file to your target drive) using the DOS rename command, rename the UnGuarded .exe file to the same file name but with a q as the first character. For example, if the file UnGuard created was test.exe, rename it to qtest.exe before copying any other files to or from your source and target drives.

7.1 UnGuard Examples

The following two examples will show you how to use UnGuard, the first using two floppy drives and Lotus 1-2-3, the second using one floppy drive, one hard drive and Symphony. These examples will work with most packages simply by substituting the file name listed under **notes** in the Software List chapter. For SUPERLoK or Prolok protected programs that are not listed, read the section Source File Unknown.

PUT A WRITE-PROTECT TAB ON YOUR ORIGINAL DISKETTE.

The procedures outlined below require you to erase a file. They have been written to ensure that the original diskettes are not in any of the drives, when you erase a file. If you reach any step that asks you to erase a file, and the original diskette is still in a drive, REMOVE IT.

7.1.1 Lotus 1-2-3 with two floppy drives.

For two drive systems you will need the original Lotus 1-2-3 program diskette, and a blank formatted diskette that will be referred to as the UnGuarded backup diskette.

- Insert the Lotus 1-2-3 program diskette into the A: drive and the UnGuarded backup diskette into the B: drive.
- Using the DOS copy command, copy all of the files from the 1-2-3 diskette to the UnGuarded backup diskette. At the DOS prompt key in **copy a:*. * b: (Enter)**.

- Remove the Lotus 1-2-3 program diskette from the A: drive and insert your CopyWrite diskette into the A: drive.
- At the DOS prompt delete the file 123.com from the UnGuarded backup diskette by keying in **erase b:123.com** **[Enter]**. When this is done successfully the DOS prompt will return without any messages.
- To start UnGuard, at the DOS prompt key in **a:unguard** **[Enter]**. Once UnGuard has loaded, remove your CopyWrite diskette from the A: drive, and replace it with the Lotus 1-2-3 program diskette.
- The cursor will point to the function **Source drive**. If the Source drive is not set to **a:**, use the **[+]** and **[-]** keys to change it to **a:**.
- Using the **[↓]** key move the cursor to the function **Source file**, and key in **123.com** as the source file name.
- Using the **[↓]** key move the cursor to the function **Target drive**. Using the **[+]** or **[-]** keys change the target drive to **b:**.
- Using the **[↓]** key move the cursor to the function **Run source** and press the **[Enter]** key.

For Lotus 1-2-3 release 2.0, UnGuard will actually load and run the program. When the blank spread sheet appears on the screen use the following key sequence to exit the program: **[F7] [Q] [Y]**. For Lotus 1-2-3 release 2.01 UnGuard will not load the program.

A successful UnGuard will report:

UnGuard created b:123.exe, system back to normal.

7.1.2 Symphony with one floppy and a hard disk.

For this type of system it is recommended that you create a separate subdirectory for the package you want to UnGuard. These instructions make two assumptions, first that your hard drive is c:, and secondly you are not running the Symphony program from your hard drive already. If you have used the install program that comes with the Symphony program to allow you to run Symphony from the hard drive without the key diskette, uninstall the Symphony package first. Do not proceed until you have successfully uninstalled the Symphony program.

- Create the subdirectory your Symphony program will be loaded into by keying in **md c:symphony** **(Enter)**. If you already have a symphony subdirectory skip this step.
- Make the subdirectory the default for drive c: by keying in **cd c:symphony** **(Enter)**.
- Insert the Symphony program diskette into the A: drive and at the DOS prompt key in **copy a:*. * c: (Enter)**.
- Remove the Symphony program diskette from the A: drive and insert your CopyWrite diskette into the A: drive.
- At the DOS prompt delete the file symphony.com from the Symphony subdirectory by keying in **erase c:symphony.com (Enter)**. When this is done successfully the DOS prompt will return without any messages.
- To start UnGuard, key in **a:unguard** at the DOS prompt. Once UnGuard has loaded, remove your CopyWrite diskette from the A: drive, and replace it with the Symphony program diskette.
- The cursor will point to the function **Source drive**. If the Source drive is not set to **a:**, use the **(+)** and **(-)** keys to change it to **a:**.
- Using the **(↓)** key move the cursor to the function **Source file**, and key in **symphony.com** as the source file name.
- Using the **(↓)** key move the cursor to the function **Target drive**. Using the **(+)** or **(-)** keys change the target drive to **c:**.

- Using the **[↓]** key move the cursor to the function **Run source** and press the **[Enter]** key.

For Symphony release 1.1, UnGuard will actually load and run the program. When the blank spread sheet appears on the screen use the following key sequence to exit the program: **[F9] [E] [Y]**. For Symphony release 1.2 the UnGuard program will not load the program.

A successful UnGuard will report:

UnGuard created c:symphony.exe, system back to normal.

7.2 Source File Unknown

This section is for advanced DOS users. When the package you want to UnGuard is not listed in the **Software List** chapter, but you know it uses SUPERLoK or Prolok, use the following steps to determine what the source file name should be.

SUPERLoK diskettes have a small .com file used to load the main program. This .com file is usually between 2,000 and 4,000 bytes. In most cases it's the .com file used to start the program. In some instances, the original diskettes do not have a .com file on them; they will not run until the program has been installed to either a floppy diskette, or a hard drive. Follow the manufacturer's instructions to install the package, and once it has been successfully installed use UnGuard to unprotect the program. After you have successfully UnGuarded the package follow the manufacturer's instructions to uninstall the program.

Prolok diskettes have one or two laser holes. The actual damage at the hole is quite small, but the discolored area around the hole has a diameter of about a millimeter. All the programs that check for the laser hole will contain a copyright message from Vault Corporation. Each and every file that contains a Vault copyright message must be UnGuarded. The files that required checking for the Vault copyright message will have the extension .exe. The easiest way to check for the Copyright message is using a disk utility, such as Disk Explorer to read the first sector of each .exe file. Alternately you may use the DOS type command. The Copyright message will be displayed to the screen.

Chapter 8

Using Rescue

Rescue completely removes copy protection from many software packages. The file it creates can be copied to any medium without restriction. Refer to the Software List chapter to find out whether your software can be processed by Rescue.

To use Rescue, your system must have two floppy disk drives or a floppy disk drive and a hard disk. Before using Rescue, ensure that no memory resident software is installed, such as Sidekick or ZeroDisk. If it is, boot load your computer without the memory resident programs. After you are finished using Rescue, you may again load your memory resident programs.

Turn on your computer and with the DOS prompt showing on the screen (A>, B> or C>), insert the CopyWrite diskette in the A: drive and close the disk drive door.

8.1 Rescue with two floppy drives.

For two drive systems you will need the original program diskette, and a blank formatted diskette that will be referred to as the Rescued backup diskette.

- PUT A WRITE PROTECT TAB ON YOUR ORIGINAL DISKETTE.
- Insert your CopyWrite diskette into Drive A:, and the Rescue backup diskette into drive B:.
- To start the Rescue program, at the DOS prompt type **a:rescue** (**Enter**). Once Rescue has loaded, remove your CopyWrite diskette from drive A:, and replace it with the program diskette.
- The cursor will point to the function **Source drive**. If the Source drive is not set to a:, use the **[+]** and **[-]** keys to change it to a:.
- Using the cursor down key move the cursor to the function **Source**

product, and enter the source product name from the list included with your CopyWrite package.

- Using the cursor down key move the cursor to the function **Target drive**. Using the **[+]** or **[-]** keys change the target drive to b:.
- Using the cursor down key move the cursor to the function **Strip copy protection** and press the enter key.

As Rescue processes the copy protected program, it will display the files it reads from the original diskette, and writes to the target.

A successful Rescue will report:

Success.

I have stripped the copy protection.

Press any key to proceed.

8.2 Rescue with one floppy drive and a hard disk.

For this type of system it is recommended that you create a separate subdirectory for the package you want to Rescue. These instructions make two assumptions, first that your hard drive is c:, and secondly you are not currently running the program from your hard drive already.

- Create the subdirectory your program will be loaded into using the DOS command **mkdir**. If you already have a subdirectory for your program skip this step.
- Change to the subdirectory your program will be loaded into using the DOS command **chdir**.
- Insert your CopyWrite diskette into drive A:.
- To start the Rescue program, at the DOS prompt type **a:rescue** **[Enter]**. Once Rescue has loaded, remove your CopyWrite diskette from drive A:, and replace it with the program diskette.
- The cursor will point to the function **Source drive**. If the Source drive is not set to a:, use the **[+]** and **[-]** keys to change it to a:.
- Using the cursor down key move the cursor to the function **Source**

product, and enter the source product name from the list included with your CopyWrite package.

- Using the cursor down key move the cursor to the function **Target drive**. Using the **[+]** or **[-]** keys change the target drive to c:.
- Using the cursor down key move the cursor to the function **Strip copy protection** and press the **[Enter]** key.

As Rescue processes the copy protected program, it will display the files it reads from the original diskette, and writes to the target.

A successful Rescue will report:

Success.

I have stripped the copy protection.

Press any key to proceed.

Chapter 9

Using Ramkey

For several copy protection systems, CopyWrite produces copies which require the use of Ramkey. For a listing of these programs see the Software List chapter.

If after running any software through CopyWrite, it doesn't work, try running it with Ramkey.

To use Ramkey, get to the DOS prompt and with your CopyWrite diskette in the A: drive, enter the DOS command `a:ramkey` and press the **[Enter]** key.

A screen heading will appear showing the edition date of your CopyWrite software and the DOS prompt will reappear. Ramkey is now loaded into your computer's memory, where it will remain in operation until the system is powered down or re-booted.

To run your software, load it in the normal manner.

For convenience, you may want to load Ramkey through the autoexec file each time the system is powered up.

If you make the mistake of trying to run a Prolok diskette that requires Ramkey, without first loading Ramkey you will ruin your copy and you will have to make a new one with CopyWrite.

Chapter 10

Using SoloBoot

SoloBoot is a utility that allows a copy of self booting software (usually a game) to run on your computer. For a list of the software supported by SoloBoot see the Software List chapter.

To use SoloBoot, make a copy of the master games diskette using CopyWrite, as described in the chapter titled Using CopyWrite. At the end of the copy procedure a message may inform you that SoloBoot should be used.

With the CopyWrite diskette in the A: drive, select the **Exit to DOS** function. At the DOS prompt enter the DOS command **a:soloboot** and press the **[Enter]** key.

As with other Quaid utilities, take care that no other memory resident software is loaded when running SoloBoot.

When SoloBoot is loaded, you will be asked to place the copy of the game diskette in the A: drive. Do so and press the **[Enter]** key. The game program will now load.

PART IV
Technical Notes

Chapter 11

Special cases

11.1 CopyWrite

American Challenge - This program has an IBM version on one side of the program disk and an Apple version on the other side. CopyWrite will back up the IBM version. To make a backup, use CopyWrite but set the sides option on the screen to 1.

dBASE III Plus - When using UnGuard on dBASE III Plus, you must include the dbase.ld1 file in the programs copied from system disk 1 to your target disk. The only files from system disk 1 you do not need to copy to the target disk are the dbase.com, install.bat, install.hlp, installh.com, installm.exe, uninstal.bat and uninstal.hlp.

dBASE III Plus LAN Pack - When using UnGuard on dBASE III Plus LAN Pack, you must install System disk #1 for Access or the LAN Pack as per Ashton-Tate's instructions; then run UnGuard using access.com as the source file name. After UnGuard creates access.exe, uninstall dBASE as per Ashton-Tate's instructions. Finally, using DOS, copy the files from System disk #1 to the target diskette, except for the dbase.com file. The same note applies to the dBASE III Plus LAN Pack as for dBASE III Plus listed above.

Davidson Math Blaster and Speed Reader II are not copy protected, and may be copied with DOS. They do however need a write protect tab on the diskette in the default drive and will stop after the first exercise if this is absent.

Exodus: Ultima III by Orion Systems Inc. is a floppy diskette. In order to make a backup using CopyWrite, you need to set the number of sides option to 1. Then make a backup of side one of the original diskette to a blank diskette. When that is done turn over the original diskette to side 2 and make a backup of that side to another blank diskette. In the

end you will have two diskettes as backups for the original one floppy diskette. Be sure to label each backup diskette so that you know which is the program diskette and which is the player master diskette.

Harvard Project Manager - To copy this program from an original diskette, there must be at least 40kb of space left free on the original diskette. You will not need any bytes free when copying from a diskette made by CopyWrite.

(bold Fast, Field Audit System Technology - You must rename the exe file to a com file after running UnGuard.

Cogo, CivilSoft - You must use dos assign a=c before running the copy.

Infocom at one time sold games that will not run with more than 512K bytes of memory. If your system has more, you may have to reset the switches inside your computer to less than 512kb to run old versions of these games.

Le Secretaire Personnel version 2001A. At the end of the CopyWrite procedure, you will receive the message **One sector verified incorrectly - Don't use this target.** Ignore this message, load Ramkey into memory and run this backup. It will run, regardless of this message.

Lotus 1-2-3. Some customers report problems when taking a copy of 1-2-3 from a friend's computer to their own. We support customers who make backup copies, not pirates. If the copy works on the friend's computer then CopyWrite has made a good copy.

MasterType by Lightning Software requires the number of sides option in CopyWrite to be set to 1.

smARTWORK version 1.2, revisions 2 and 3. If you make a backup of these two releases of smARTWORK with CopyWrite, and only have a floppy drive system or you want to run it as a floppy disk program, you must run ZeroDisk before running the backup you made.

6809 C Compiler by Wintek. The same as for smARTWORK version 1.2 revisions 2 and 3 applies to 6809 C Compiler.

SPOC. After making a copy of SPOC and prior to using it, put a write-protect tab on the diskette. This software is prone to phantom errors.

Even on good disk drives it may take more than one try to get a working copy of this software.

CopyWrite will not copy some forgeries of programs made by other copy programs. We do not intend to fix this since it would only help pirates who never had an original diskette.

11.2 ZeroDisk

dBASE III and Framework. Until December 1984, these products were protected by Prolok. The old versions, versions 1.0 can be run from the hard disk using ZeroDisk. The new versions, versions 1.1, can be installed on a hard disk without ZeroDisk, but you cannot back up and restore them. To do so, use UnGuard (see section on UnGuard).

Harvard Project Manager. With this program you need to use the DOS assign command. If your hard disk is on c:, use **assign a=c** before starting and **assign** after leaving. If you use Harvard Project Manager frequently, you may want to use a batch file containing the lines;

```
assign a=c  
HPM  
assign
```

With the above lines in a file called harvard.bat, you can invoke the Harvard Project Manager with the simple DOS command **harvard**. The Harvard Project Manager will try to get the serial number from the A: drive, even when you are running ZeroDisk. You may safely ignore the erroneous number it finds. When you want to see your true serial number, put the original Harvard Project Manager diskette in the A: drive.

Harvard Total Project Manager. ZeroDisk handles versions 1.06, 1.08, and 1.0b but not older versions. We suggest getting a revision of HTPM if you want to run it with ZeroDisk.

Lotus 1-2-3, Symphony. These programs must be configured for the hard disk using the procedure provided by Lotus. It is necessary to make the Lotus directory the default directory before starting Lotus.

Lotus 1-2-3 releases 2.00, 2.01 and Symphony versions 1.1 and

1.2. Use UnGuard (see section on UnGuard). The Lotus Printgraph diskette has copy protection, but only so that it can serve as a backup to the system diskette. Copy all of its files with the DOS copy command and ignore its copy protection. Lotus products may look at the A: drive for a serial number. Ignore the serial number not found message.

Microsoft Word comes with its own procedure for transferring it to a hard disk, including a system whereby it writes back to the original diskette to prevent installation on a hard disk for a second time. The safest way to install it on a hard disk is to copy Microsoft Word with the CopyWrite utility and install using the copy made with CopyWrite.

PC Focus must be installed without ZeroDisk; with the original floppy in the A: drive or with a backup made with CopyWrite. Once you have installed it on your hard disk, you can run without the key diskette in the A: drive by using ZeroDisk. With newer versions of PC Focus (some of versions 1.5) and all of versions 2.0, UnGuard must be used (see section on UnGuard).

Rbase 4000 running under DOS 3.0 or higher requires a file called Rbase.bat even though that file does not come on the system disks. Be sure a file with that name is present in your directory before starting.

smARTWORK all versions and revisions listed - When running this program with ZeroDisk, you are required to use the DOS assign command. If your hard disk is on C:, use **assign a=c** before starting and **assign** after leaving smARTWORK.

6809 C Compiler by Wintek. The same as for smARTWORK applies to 6809 C compiler.

Think Tank. You can save some time by using the command **assign a=c b=c**. Some customers have told us this assign command is essential with Think Tank version 1.001.

Chapter 12

Technical Terms

CopyWrite sometimes produces a report at the end of the copy, before returning to the main menu. This report is not a report of errors, but tells the kind of copy protection used on the diskette.

The following explanations cover items reported on:

Weak Bits. A weak bit is recorded midway between a zero and a one, so that when it is read, it is sometimes read as a zero and other times as a one.

When weak bits are used in copy protection, the software seems unreliable; in fact even the original diskette will sometimes fail to load.

When weak bits show up in a report from CopyWrite, you may have to try more than once to get the copy to run. Since some disk drives handle weak bits better than others; if you do experience difficulties, try switching drives when making a copy, or use another computer.

Bad CRC. Cyclic Redundancy Checks are recorded on all diskettes and allow the system to detect errors when the recorded CRC does not match the one derived from data. On many copy protected diskettes this is deliberate and does not mean that there is a problem.

Duplicate ID. This means that CopyWrite found more than one sector on a track with the same ID. When this occurs often the copy takes longer to make.

Deleted Data. This means that the data in a sector of the source diskette has been marked with a code and does not mean that something has been lost. This also makes the copy take longer.

No data address mark. This indicates an error on the source diskette, or a kind of copy protection used by a few manufacturers.

Verification. CopyWrite reads back the target diskette. A verify error means that it did not read what it wrote. If this occurs try changing the target disk drive or use another computer. When this happens repeatedly, you may have encountered a new form of copy protection.

Put a write protect tab on the target diskette. CopyWrite issues a warning when it recognizes a diskette that protects itself against copying by writing to itself when loaded.

Laser Hole. This appears on Prolok diskettes.

Protection Data in Gap. This is a form of copy protection where the short sector is 1024 bytes but has an actual size of 512 bytes. Some methods store encryption data in the gap bytes following the 512 bytes of data.

Short Data. Short data is a form of copy protection used where the actual size of the sector is shorter than what is indicated to DOS.

I have encountered something I cannot handle. This sometimes occurs on a new form of copy protection, but most often happens when the memory has changed between the time CopyWrite reads a track from the source diskette and the time it writes it to the target. If this happens try using another computer to make the copy.

PART V

Further Information

Chapter 13

Diagnosis and Assistance

From time to time, users of CopyWrite fail to get good copies of diskettes, even copies of those within its capacity.

If you experience this you may write or call us for assistance. Before doing so however, there are a few things you should check.

To be sure you are doing the right thing, copy a DOS diskette with several files on it and then display the directory of the copy. Errors mean you may be doing something wrong such as specifying a single side in the **Number of sides** function.

Look up the product you are trying to copy in the Software List and in the Special Cases chapter. Follow any instructions.

After you have successfully copied a product, you should know what to expect from the report. In future, when you see an unusual report, don't use that copy.

CopyWrite cannot tolerate defect on the target diskette. If you see a verify error on the report, run the copy again with another target diskette.

If you are still unsuccessful in making a backup copy of a software package, you may call us for assistance at (416) 961-8243. We answer the phone during business hours (Eastern time).

To aid us in serving you promptly, when you call please have the following information ready:

- Computer make and model
- Operating system version, given by the DOS `ver` command.
- CopyWrite edition - shown on the screen banner or the date given by the DOS `dir` command.

Chapter 14**Revisions**

Since many software publishers have abandoned the use of copy protection, there is less of a requirement to revise CopyWrite. We no longer do so monthly, but at intervals as changes in technology or copy protection require.

To obtain the latest edition of CopyWrite, mail the original CopyWrite diskette, a copy of the revision order form at the back of this manual and a check for the revision price listed on the form to:

Quaid Software Limited
45 Charles Street East, Third Floor
Toronto Ontario, Canada M4Y 1S2

Revisions to CopyWrite are only available from Quaid Software in Canada and are not available from dealers. If you are ordering after December, 1989, call us first to confirm the prices. They may change.

Questions regarding this or other Quaid Software products may be addressed to:

Quaid Software Limited
45 Charles Street East, Third Floor
Toronto Ontario Canada M4Y 1S2
phone: (416) 961-8243

Chapter 15

Litigation

In May of 1985 Vault Corporation, the maker of Prolok, filed suit against Quaid Software. Vault asked for an injunction blocking the sale of CopyWrite, and \$100 million in damages. If successful this suit would have given Vault Corporation a near monopoly on copy protection.

After three years of litigation, the suit was decided in favor of Quaid Software by the trial court, and by the appeals court. The time for further appeal has expired, so the judgment appears to be final. There is now no legal barrier to the sale of CopyWrite, nor to its use in making archival copies of software. We thank our customers who appeared on our behalf at the hearing, and the Capital PC User's Group, which filed a brief generally favorable to our position.

We do not as a rule identify every trade name in this manual. Vault Corporation has requested that we characterize Prolok as its trade mark, and we are doing so.

Chapter 16

Related Software

The following software products are also available from Quaid Software:

- Disk Explorer
- Quaid Analyzer
- The Envelope Please...

For more information on these products, see the next pages. The prices are on the order form at the end of this manual, in US funds.

To order any of these products, call (416) 961-8243.

16.1 Disk Explorer

Disk Explorer shows you everything on a disk, in more detail than is available through any popular utility. It can recover accidentally deleted files. A simple interface allows novices to recover deleted files, provided no more files have been added. A more advanced expert interface allows for recovery of all or parts of files after more extreme forms of failure.

Here are more things you can do with Disk Explorer:

- Display or alter the contents of floppy diskettes, RAM disks or hard disks.
- Display the DOS directory, and change directory attributes of a file, including hidden files.
- Copy data from one part of a disk to another, or to a different disk.
- Search a disk for a given piece of text.
- See every bit on a track, including the synchronization bytes, ID and data address marks, Data fields, CRCs, gaps, clock bits and end of track transition. The manual explains what all of these are.

- Create your own format with a format editor, and write a track with your new format.
- Format diskettes with small defects so that they appear perfect to DOS.

Disk Explorer is thorough. It is what we use at Quaid Software to find the gimmicks used for copy protection. A twenty page section gives a history of copy protection, with a technical description of many of the methods.

Disk Explorer runs on IBM and compatible computers with at least 128kb of memory and one diskette drive.

16.2 Quaid Analyzer

Quaid Analyzer is a professional quality debugger. With the Analyzer, you can:

- See occurrences of any interrupt, with its meaning shown on the screen.
- View memory as text or instructions, scrolling as easily as you do with an editor.
- Run until a memory location or I/O port is changed.
- Protect your hard disk from accidental destruction.
- Analyze software without the source, even when it uses countermeasures to thwart tracing.
- See all stages of the boot load.
- See a map of storage allocated by DOS.
- See maps of device drivers, UART registers, the diskette parameter table and (for systems equipped with CMOS) an interpreted display of the configuration.
- Read any file into memory.
- Save any section of memory to a file.

- Invoke Quaid Analyzer with the Print Screen key, eliminating the requirement for hardware breakpoint modifications.

The Quaid Analyzer is a software tool occupying 100kb RAM. It runs on an IBM PC and most MS-DOS systems without hardware modifications.

Quaid Analyzer is what we use at Quaid Software when we need to know what is going on inside copy protected software.

See the order form at the end of this manual for the price.

16.3 The Envelope Please . . .

The Envelope Please . . . is a memory resident program that captures the name and address at the top of a letter, and with one keystroke, prints it on an envelope in your printer. The Envelope Please . . . works with most popular IBM software including, WordStar, Symphony, and dBASE. Point at the address portion of a letter on screen, put an envelope in your printer, and print. Need a return address printed in the top left corner of your envelope? The Envelope Please . . . will print that too! And for dot matrix printers that won't normally feed an envelope, The Envelope Please . . . will print sideways. The Envelope Please . . . runs on Epson and compatible dot matrix printers, most daisy wheel and HP and compatible laser printers. It will run on any IBM PC or compatible, and the IBM PS/2.

16.4 Antidote

A virus is spreading through Personal Computers. It gets into a program or even into command.com. It spreads when you run it, and hitchhikes to new computers on floppies. Later, it can ruin your hard disk.

Antidote examines your files for alteration when you boot load. It is not memory resident. Now you can eradicate the virus before it spreads. Antidote guards against all forms of accidental and malicious corruption.

Antidote includes a utility to test your defense against virus attack.

**In case you can not eradicate a virus, Quaid Software will do it for a fee.
Call for prices.**

To order Quaid Software products, call us at (416) 961-8243 with your credit card, or fill out this form and mail it to us. We ship all orders within a day at our expense. Call to confirm prices when ordering after December 1989. Prices may change.

Quaid Software Limited
45 Charles Street East Third Floor
Toronto Ontario Canada M4Y 1S2

Product	quantity	price	total
CopyWrite		\$75 US	
CopyWrite revision		\$25 US	
Disk Explorer		\$75 US	
Antidote		\$60 US	
The Envelope Please		\$39 US	
Quaid Analyzer		\$200 US	
ship on: <input type="checkbox"/> 5 inch diskette <input type="checkbox"/> 3 inch diskette			
<input type="checkbox"/> check enclosed (must be drawn on US or Canadian bank)			
<input type="checkbox"/> money order enclosed			
<input type="checkbox"/> VISA <input type="checkbox"/> MasterCard <input type="checkbox"/> American Express <input type="checkbox"/> Diners			
credit card number		expiry date:	
Name			
Company			
Address			
City, State		Zip	
Phone No			
Computer type			
Signature			