

Personal Computing Today

FEBRUARY 1983
65p

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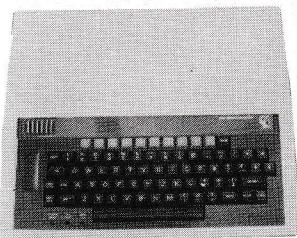
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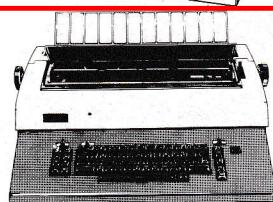


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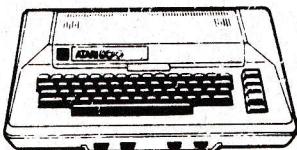
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Sabotage

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FACTFILE

SHARP MZ-80A

Sharp UK Ltd,
Thorn Road,
Newton Heath,
Manchester
M10 9BE
Tel: 061-205 2333



STANDARD PACKAGE

Memory Size (RAM)	48K
Screen Size	25 lines of 40 characters
Expansion Sockets	BUS connector
Tape Included?	Yes
Display Unit Included?	Yes
Usable Domestic TV?	No
Size of BASIC	12K
Average Price	£549

MANUFACTURER'S EXPANSIONS

	DETAILS	PRICE
RAM	No	—
Printer	Yes	£450-800
Monitor	N/A	—
Disc Drives	Yes, dual	£600
Other Languages	Yes	£45
Multi-user Capabilities	No	—
BASIC extensions (Toolkits)	No	—

OTHER ADD-ONS:

None Reported

SHARP MZ-80K

Sharp UK Ltd,
Thorn Road,
Newton Heath,
Manchester
M10 9BE



STANDARD PACKAGE

Memory Size (RAM)	48K
Screen Size	25 lines of 40 characters
Expansion Sockets	BUS connector
Tape Included?	Yes
Display Unit Included?	Yes
Usable Domestic TV?	No
Size of BASIC	12K
Average Price	£350

MANUFACTURER'S EXPANSIONS

	DETAILS	PRICE
RAM	No	—
Printer	Yes	£450-800
Monitor	N/A	—
Disc Drives	Yes, dual	£600
Other Languages	Yes	£45 upwards
Multi-user Capabilities	No	—
BASIC extensions (Toolkits)	No	—

OTHER ADD-ONS:

None Reported

SHARP MZ-80B

Sharp UK Ltd,
Thorn Road,
Newton Heath,
Manchester M10 9BE



STANDARD PACKAGE

Memory Size (RAM)	64K
Screen Size	25 lines of 40 or 80 characters
Expansion Sockets	BUS connector
Tape Included?	Yes
Display Unit Included?	Yes
Usable Domestic TV?	No
Size of BASIC	16K
Average Price	£990

MANUFACTURER'S EXPANSIONS

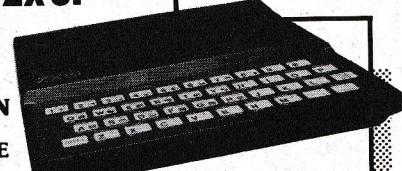
	DETAILS	PRICE
RAM	Yes	£120
Printer	Yes	£450-800
Monitor	N/A	—
Disc Drives	Yes, dual	£600
Other Languages	Yes	£45
Multi-user Capabilities	No	—
BASIC extensions (Toolkits)	No	—

OTHER ADD-ONS:

Multi-vision and triple-vision, Datron Micro Centre, 2 Abbeydale Road, Sheffield S7 1FD, £35-79

SINCLAIR ZX 81

Sinclair Research,
6 Kings Parade,
Cambridge CB2 1SN



STANDARD PACKAGE

Memory Size (RAM)	1K
Screen Size	24 lines of 32 characters
Expansion Sockets	BUS connections
Tape Included?	No
Display Unit Included?	No
Usable Domestic TV?	Yes
Size of BASIC	8K
Average Price	£49.95 kit, £69.95 built

MANUFACTURER'S EXPANSIONS

	DETAILS	PRICE
RAM	16K RAM pack	£29.95
Printer	ZX Printer	£59.95
Monitor	No	—
Disc Drives	No	—
Other Languages	No	—
Multi-user	No	—
Capabilities	No	—
BASIC extensions (Toolkits)	No	—

OTHER ADD-ONS:

Memory expansion unit 16K or 64K, Memotech Ltd, 3 Collins St, Oxford OX4 1XL, £39.95-79; Memory Expansion 64K, Downsway Electronics (UK) Ltd, Dept M, Downsway House, Epsom Road, Ashtead, Surrey, £59.95; Key Bleep Unit, Microtronic, 3 Buxton Avenue, Coulton, Nottingham, NG4 3RR, £8.85 kit, £9.95 built; Maximem 1.1, East London Robotics, Finlandia House, 14 Darwell Close, East Ham, London, E8 4BT, £93.50; Music Synthesiser + 16 line control port, William Stuart Systems Ltd, Dower House, Billericay Road, Herongate, Brentwood, Essex CM13 3SD, £19.50; Full-size keyboard, Protos Computer Systems, Frome Computing, 20 Ashtree Road, Frome, Somerset, BA11 2SF, £64.95; ZX99 Automatic tape control, Data-cassette, 44, Shroton Street, London NW1 6UG, £59.95.

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Procvar	Ut	Micro-Aid	16K	C	IZ	£1.95		Gm	Cribbage	12K	C	AX,AO	£12.00
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Punctuation	Ed	Bryants S/W	32K	C	HW	£4.88		Gm	Cursed Chambers	48K	C	CZ	£5.75
Robot	Gm	Miking S/W	32K	C	KC	£4.95		Gm	Data Base	48K	C	AX,AO,AB	£6.32
Searchbas	Ut	Micro-Aid	16K	C	IZ	£1.95		Gm	Data File	48K	C	CC	£29.95
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Speechparts	Ed	Bryants S/W	32K	C	HW	£4.88		Gm	Electron '84	20K	C	CH	£8.45
Squash	Gm	Aztec S/W	16K	C	IB	£5.50		Gm	Electronic Organ	12K	C	AX	£6.32
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Statpack	Ed	Micro-Aid	32K	C	IZ	£7.95		Gm	Empire II	20K	C	AB	£5.85
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Stats 1	Bs	ME & P Products	16K	C	KK	£15.00		Gm	Escape Forth	24K	C	CZ	£4.60
Super Hangman	Gm	I.J.K. S/W	32K	C	IT	£3.95		Gm	Evasion	6K	C	AX,AO	£6.32
Tables Test	Ed	Bryants S/W	32K	C	HW	£4.88		Gm	Executive	6K	C	AX,AB	£9.20
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Varkman/Meanees	Gm	Aardvark Software	16K	C	IU	£4.00		Gm	Foundry Package	48K	C	EQ	POA
Water Relations of Plant Cells	Ed	Garland Comp.	32K	C	JX	£18.82		Gm	Four in a Row	6K	C	AX,AO,AB	£6.32
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REFERENCE

SOFTWARE LISTING

SHARP

Title	Program Type	Program Produced By	Memory Used	How Sold	Supplied Code	Prices
Head On	Gm	Highlight S/W	10K	C CC,AB		£6.90
Head On	Gm	Kuma	6K	C AX,AO,AB		£6.32
Head On	Gm	Sharpsoft	20K	C CH		£5.85
Hissing Sid	Gm	Kuma	6K	C AX		£6.32
Home Budget I	Do	Kuma	6K	C AX,AC,AO,AB		£6.32
Hunter Killer	Gm	Kuma	48K	C AX,AB		£6.32
I Spy	Ed	Highlight S/W	22K	C CC		£5.75
Instant Addition And The Four Rules	Ed	Kuma		C AX		£6.32
Intruder	Gm	Kuma	48K	C AX,AO,AB		£6.32
Invaders	Gm	Kuma	20K	C FZ		£6.30
J S Line 4	Gm	Kuma	48K	C AX,AB		£6.32
Junior Maths and Stepping Stones	Ed	Kuma		C AX		£6.32
Junctori	Gm	Sharpsoft	20K	C AB		£5.85
Kentucky Derby	Gm	Kuma		C AX		£6.32
Knights Commander	Ut	Knights	48K	C AX		£28.75
Knights Commander	Ut	Knights	48K	D AX		£74.75
Knights Fortran	Ut	Knights	48K	C AX		£34.50
Knights Wee Pascal	Ut	Knights	48K	C AX		£23.00
Large Display	Gm	Kuma	48K	C AX		£6.32
Las Vegas	Gm	Sharpsoft	20K	C AB		£5.85
Life	Gm	Kuma	48K	C AX,AO,AB		£9.20
Lunar	Gm	Kuma	48K	C AX,AO,AB		£6.32
Lunar Lander	Gm	Kuma	48K	C AX,AO,AB		£6.32
MZ Othello	Gm	Kuma	48K	C AX		£12.00
Madness	Gm	J Wolstencroft	24K	C CZ		£4.60
Maniac	Gm	Highlight S/W	6K	C CC,AB		£5.75
Map of England	Gm	Kuma	48K	C AO		£6.32
Map of England	Gm	Kuma	48K	D AX		£12.00
Mastermind	Gm	Highlight S/W	6K	C CC,AB		£4.60
Mastermind	Gm	Kuma	48K	C AX,AO,FZ,AB		£6.32
Match the Character	Ed	Highlight S/W	22K	C CC,AB		£4.60
Match the Word	Ed	Highlight S/W	22K	C CC,AB		£5.75
Maths	Ed	Highlight S/W	22K	C CC		£5.75
Melody	Gm	Kuma	48K	C AX		£6.32
Memory Tests	Ut	Kuma	20K	C AX,AO,AB		£6.32
Minefield	Gm	Kuma	48K	C AX		£6.32
Maze-Maze	Gm	Kuma	48K	C AX,AO		£6.32
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Patience	Gm	Kuma	48K	C AX,AO		£6.32
Payroll	Bs	Microtek	48K	C EQ		£65.00
Payroll	Bs	Tridata	48K	D ID		£170.00
Picture Count	Ed	Highlight S/W	22K	C CC,AB		£5.75



Pilot	Ut	Kuma		C AX		£17.25
Poker	Gm	Kuma	48K	C AX,AO,AB		£6.32
Pontoon	Gm	Kuma	48K	C AX,AO,AB		£6.32
Poseidon	Gm	Highlight S/W	6K	C CC,AB		£5.75
Princess & Monster Maze	Gm	Kuma	48K	C AX,AB		£6.32
Program Filing Index	Bs	Kuma	20K	C AX		£6.32
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Quest	Gm	J Wolstencroft	48K	C CZ		£4.60
Race Track	Gm	Kuma	48K	C AX,AO,AB		£6.32
Racing	Gm	Kuma	48K	C AX		£6.32
Raider	Gm	Kuma	48K	C AX,AO,AB		£6.32
Reactor	Gm	Kuma	48K	C AX,AB		£6.32
Rhymes	Gm	Kuma	48K	C AX,AB		£6.32
Road Hunter	Gm	Kuma	48K	C AX,AO,AB		£6.32
Rocket	Ed	Kuma		C AX		£6.32
Tank Wall	Gm	Kuma	48K	C AX,AO		£6.32
Tempin Bowling	Gm	Kuma	48K	C AX,AO		£6.32
Timetabling Aid	Ed	Kuma	20K	C AX		£22.45
Towering Inferno	Gm	Sharpsoft	20K	C CH,AB		£5.85
Towers of Hanoi	Gm	Kuma	48K	C AX		£6.32
Track Layer	Gm	Kuma	48K	C AX,CH		£6.32
Trader Smith	Gm	Kuma	48K	C AB		£6.32
Tycoon	Gm	Kuma	48K	C AX,AO		£6.32
UFO	Gm	Kuma	6K	C AX,AC		£6.32
Waves I	Ed	Kuma		C AX		£12.00
Waves II	Ed	Kuma		C AX		£12.00
Wordpro	Bs	Kuma	48K	C AX,AC		£45.45
Wordpro	Bs	Kuma	48K	C AX,AC		£91.95
Zen Dos	Ut	Kuma	4K	C AX		£66.16
Zen Editor Assembler	Ut	Kuma	20K	C AX,AO,AB		£22.45
Zenmod	Ut	Kuma	4K	C AX,AB		£12.00

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Alcatraz II	Gm	Spectral Assoc	16K	C IA		£8.95
Artillery	Gm	Spectral Assoc	16K	C IA		£7.95
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Black Sanctum	Gm	Mark Data Prods.	16K	C IA		£17.50
Bugoutte Monitor	Ut	Spectral Assoc	4K	C IA		£19.95
Calixto Island	Gm	Mark Data Prods.	16K	C IA		£17.50
Cave Hunter	Gm	Mark Data Prods.	16K	C IA		£19.95
Chromasette	Gm	Cloud Inc	16K	C IA		£5.95
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Compuvoice	Ut	Spectral Assoc	16K	C IA		£44.95
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Sound Source	Ut	Spectral Assoc	16K	C IA		£24.95
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Storm	Gm	Computer Ware	16K	C IA		£19.95
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3D O's and X's/ Mastermind	Gm	Apex S/W	16K	C JT		£4.95
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Addition, Subtraction I	Ed	Texas	8K	R AB		£35.00
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Chequebook Manager	Bs	Texas Max	16K	D AB		£19.00
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