

## APPLICATION

**GRAND FINALE** Our music series comes to an end with an overview of the most up-to-date electronic equipment

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## HARDWARE

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## PROGRAMMING TECHNIQUES

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## MACHINE CODE

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## WORKSHOP

**MOTOR CONTROL** Using the buffer and output boxes that we have constructed we write the software to control a Lego car

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**REFERENCE MANUAL** A reference card containing the Z80 instruction set

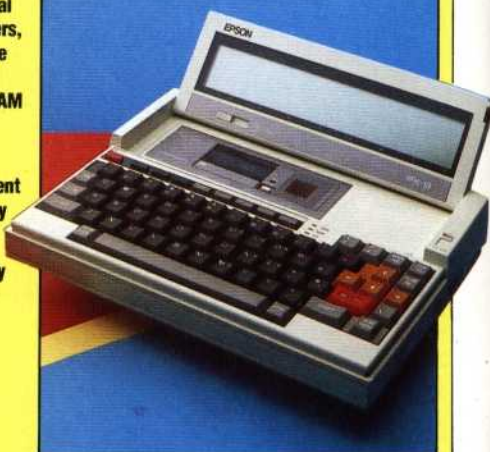
INSIDE  
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COVER

## Next Week

• Continuing our occasional series on portable computers, we review Epson's PX-8, the super lap-held with CP/M, telecommunications and RAM disk

• We begin a large-scale survey of micros in movement — robotics at work and play

• Our workshop feature introduces reversed polarity switching.



## QUIZ

- 1) What is dynamic dimensioning?
- 3) What does 'NOWRAP' do?
- 3) How is the USR function important in defining graphic characters?
- 4) What is feedback control?

### Answers To Last Week's Quiz

- 1) A LOGO procedure is said to be state transparent if, after execution, the turtle's position and heading remain unchanged.
- 2) PRODOS, the new Apple operating system, is unusual in having a hierarchical directory structure, which is accessed via a 'pathname'.
- 3) MIDI is a standard for digital communications. MIDI compatible devices such as computers and synthesizers can communicate without interfaces.
- 4) Memotech's first product was a 16-Kbyte expansion board for the ZX81.

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