

SPECIFICATIONS

Interspec Pack

Input & Output Ports: 8 bit TTL compatible (address 95)
 Analogue to Digital Converter: 8 channel, 8 bit 2.7V reference (address 31)
 Switch Inputs: 4 buffered inputs + common (address 63)
 Relay Outputs: 4 'ZX isolated' 1A @ 24V relay contacts (address 63)

DCP Expansion Bus: Data, power and decoded select lines for easy expansion.

Case Dimensions: 135 X 85 X 40mm.

All sections of INTERSPEC are I/O mapped and fully decoded. Connections are 0.1" pitch Molex connectors for ports and expansion bus and standard 2mm wander sockets for other sections.

Speech Pack

Output power: 100mW max into built in speaker.

Built in volume control and external speaker.

Expandable vocabulary: 8k ROM supplied - up to three more 8k ROM's can be fitted.

Other ZX81 compatible products can be plugged onto the rear of S-Pack; e.g. ZX RAM, DCP Packs, ZX Printer etc.

Case Dimensions: 125 X 80 X 42mm.

ZX81 Peripheral Pack

Memory: 4k CMOS low power RAM (5k total).

Output & Input Port: 8 bit TTL compatible Memory mapped.

Port connectors: 10 way Molex KK type (0.1").

Case Dimensions: 80 X 80 X 42mm

ZX81 Analogue Pack

Input Range: 0 to 2.55V in 256 steps.

Output range: 0 to 2.55V in 256 steps.

I/O Connectors: Eight 2mm wander type sockets.

Case Dimensions: 80 X 65 X 42mm.

Control Pack

Input Section: 8 switch contact compatible.

Output section: 8 electrically isolated outputs with high current relay contacts (1A @ 12V).

I/O Connectors: Twenty 2mm wander type sockets.

Case Dimensions: 105 X 80 X 42mm.

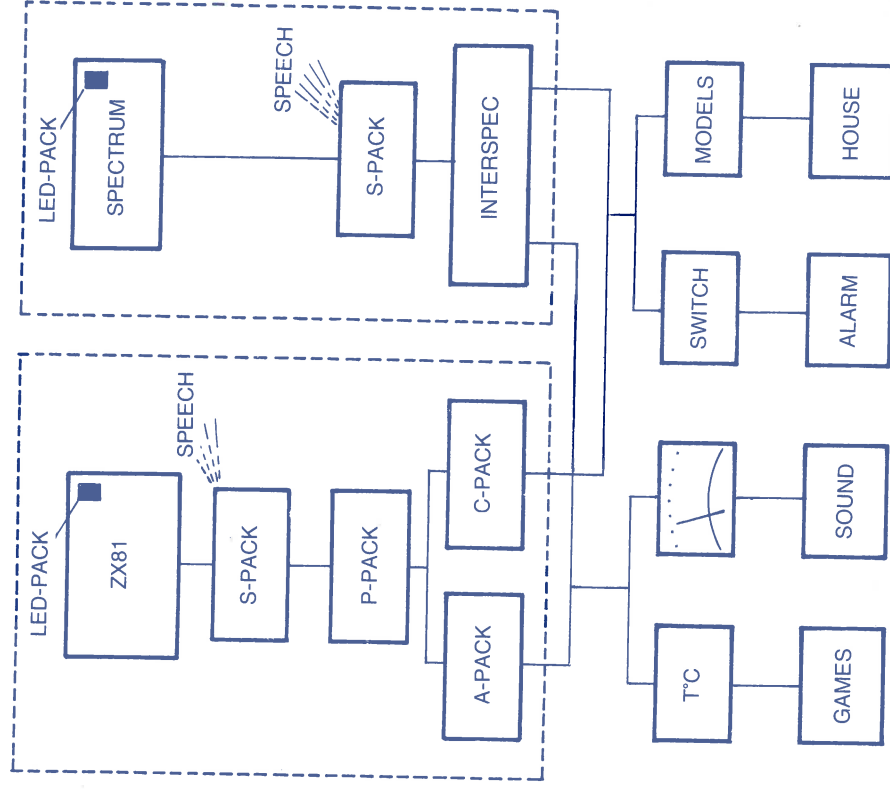
DCP MICRODEVELOPMENTS LTD,
 2 Station Close, Lingwood, Norwich, NR13 4AX.
 Telephone Norwich (0603) 712482

DCP PACKS

DCP
microdevelopments

A RANGE OF ADD-ON PACKS FOR ZX COMPUTERS

SYSTEM EXPANSION



Now a complete range of packs for your ZX personal computer is available which enables you to control and monitor different electrical projects, and even a

pack which you can program to talk to you! To find out more about these popular and inexpensive Packs just turn over...

INTERSPEC PACK

£39.95

This new interface gives the ZX Computer full interfacing and control facilities from a neat compact unit at a neat compact price!

It plugs on to the rear of the computer and provides 8 channel Analogue to Digital conversion, 4 channel switch inputs, 4 high current relay outputs, 8 bit input port, 8 bit output port and the DCP Bus expansion connector for simple expansion to add even more! The unit is supplied fully cased and comes complete with a manual containing full instructions with hardware and software examples. Compatible with both 16k and 48k Spectrums using IN and OUT commands, and also ZX81 (without RAM Pack) using short machine code routines.

SPEECH PACK

£49.95

The DCP Speech Pack plugs directly on to the rear of the ZX81 or Spectrum and provides high quality solid state speech under very simple (POKE or OUT commands) program control. It requires no more than a ZX Computer + power supply to operate although ZX RAM or DCP Packs and a ZX Printer may be fitted on to the rear of the Speech Pack if desired. The S-Pack comes complete with Word Pack ROM 1 which contains all the letters of the alphabet, numbers zero to over a million and other useful words and sounds. Up to three more plug-in Word Pack ROM's can be fitted at any time extending the vocabulary by hundreds of words; simply choose your extra Word Packs from the library lists supplied with the Speech Pack.

Just plug the Speech Pack in and away you go: within a few minutes it'll be talking to you like an old friend!

LED-PACK

£0.99

A DIY kit to add a smart rectangular LED power indicator to your ZX Computer and includes LED & mounting clip, resistor, sleeves, wire and instructions (requires cutting and soldering your ZX Computer.)

P-PACK

£37.95

The P-Pack provides an additional 4k of CMOS RAM (5k total) to allow you to enter much longer and more interesting programs. It also has an 8 bit input and an 8 bit output port which can be used to give electronic monitoring and control from your programs using simple PEEK and POKE commands - full details of hardware and software are supplied with every pack. It can be used alone as extra memory and input/output ports or along with one of the other units in the DCP Pack range.

A-PACK

£19.95

The Analogue Pack is one of the extra add-on units for the P-Pack and contains 8 bit Analogue to Digital converter and 8 bit Digital to Analogue converter. The unit will measure or provide analogue voltages in the range of 0 to 2.55 volts and clips onto the rear of the P-Pack. Typical applications include temperature control and measurement, joystick control, light intensity etc.

C-PACK

£29.95

The Control Pack allows the ZX81 and P-Pack to control high current devices and monitor sensors, switches or contacts connected to it. The unit includes 8 relays that can switch 1 Amp at 12 Volts per channel and 8 switch inputs allowing control of models, lighting, motors etc. using PEEK and POKE commands in your program.

GENERAL

All the packs are housed in strong plastic cases which smartly match and complement the ZX Computer's styling and profile. They come complete with instructions and example software, and are fully assembled and tested with a 12 month guarantee.

To order your Packs or obtain further information you can contact us at the address shown overleaf. Most of the Packs are obtainable from various dealers throughout the country - schools and colleges should contact Griffin & George Limited who supply and support our range. Also watch out for advertisements in the popular computing magazines and our stand at various exhibitions.