

PSI BOX

DESCRIPTION

The PSI Box is a very flexible 3 way interface, converting between IEEE488, RS232 and Centronics Parallel. It allows data to be passed through any combination of the different ports. The PSI Box acts as an IEEE device or as the IEEE bus controller depending on the operational mode selected. The PSI Box is the one stop solution to your interfacing problems. The enhanced PSI Box Plus+ allows any computer with an RS232 port full control over 14 devices in an IEEE bus system!

(See facing page).

QUICKLY SETUP

16 DIP switches and 7 LED's allow the user to select options and monitor the progress of data transfers. Each port has 2 dedicated LED's that indicate when data is entering or leaving each port. A further LED is the mains power indicator. The PSI Box is instantly configured, at the flick of a switch, to route your data any way you wish! The 32k buffer may be DIP switch disabled.

IEEE PORT

The fully bidirectional IEEE port uses industry standard IEEE488 connector. The IEEE address set by front panel DIP switches is in the range 0-15. Listen Only and Talk Only operation can also be selected for Modes 1 & 2 and 5 & 6 respectively.

PARALLEL PORT

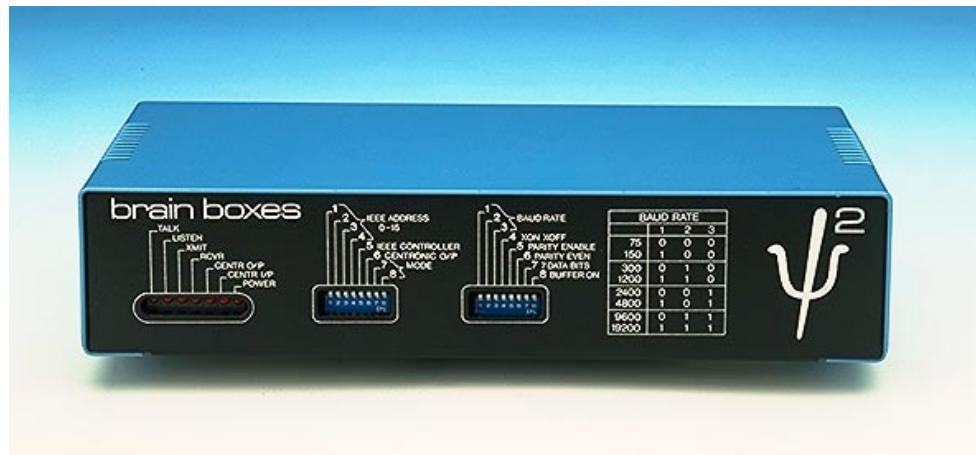
The centronics parallel port, using a 25 way female D screw lock connector, is identical to the standard PC printer port LPT1, and may be used as either an input or output port as set by a front panel DIP switch.

RS232 PORT

The bidirectional serial port, using a 25 way male D screw lock connector, is identical to the standard PC serial port, with industry standard ± 12 Volt RS232 signals. Data is exchanged using either a hardware handshake controlled by the DSR, CTS, DCD, DTR and RTS pins or by the XON-XOFF software protocol.

PSI CABLE SET

The PSI Cable set comprises a 2 metre IEEE488, 2 metre RS232 crossover cable and 2 metre parallel printer cable.



MULTIMODE OPERATION

Configured at the flick of a switch. It can be set to 1 of 8 modes:

**MODE 1: IEEE488 to RS232 bidirectional.
IEEE488 from Centronics Parallel in.**

**MODE 2: IEEE488 to RS232 bidirectional.
IEEE488 to Centronics Parallel out.**

MODE 3: Centronics Parallel input to RS232 output.

MODE 4: RS232 input to Centronics Parallel output.

MODE 5: Centronics Parallel Input to IEEE488 output.

MODE 6: RS232 input to IEEE488 output.

MODE 7: PSI Box Plus+ only. See opposite page.

MODE 8: RS232 input to IEEE488 output with talk back.

FEATURES

- **Flexible 3 way convertor.**
- **8 modes available at flick of switch.**
- **Front panel control.**
- **Complete with 100 page manual.**

APPLICATIONS

- **HP Workstation to PC**
- **PC LPT: to HP plotter**
- **PC COM: to HP plotter**
- **GPIB controller to RS232**

SPECIFICATION

Ports:	IEEE488, RS232 and Centronics Parallel.
Baud Rates:	75, 150, 300, 1200, 2400, 4800, 9600, 19200.
Parity:	None, odd or even.
Data length:	7 or 8 bits.
Buffer :	32k.
Handshake:	DTR/RTS lines or XON/XOFF protocol.
Power:	1Amp @ 240Volts. 110V optional. No compromise RFI filter.
	Mains lead included.
Size:	10.3 long x 2.3 high x 5.3 inches wide.
Weight:	5 lbs: 2kg.

ORDER

DESCRIPTION

PSI BOX

PSI CABLE SET

CODE

PS-307

PS-318

ALL PRODUCTS WITH HOTLINE SUPPORT AND 36 MONTH NO QUIBBLE WARRANTY



BRAIN
BOXES

