

GP-2 Addendum

From a software point of view, the GP-2 is essentially a PAK-VIa IC on a printed circuit board. Of course, a real PAK-VIa is in an 18 pin package, while the GP-2 uses a 28 pin chip, but software-wise these chips are essentially the same. Please refer to the enclosed PAK-VIa manual for information about the control of the GP-2 firmware.

For the I/O connections, please observe the following:

RX, TX – These are brought out to the DB9 connector through the MAX232. You can use a straight cable to connect the GP-2 to a PC (in other words, the GP-2 is a DCE device).

ENABLE, ENABLE2 – These pins do not exist on the GP-2. Instead, the RTS and CTS lines on the DB9 are used for handshaking.

IMODE – Not available on the GP-2. If you require raw mode, simply issue the proper command to the GP-2.

RESET – The GP-2 has a two pin header that will reset it, if desired.

DATA – RB5 (see the enclosed GPMPU28 manual) connects to the PS/2 data line. This is marked on the edge of the board close to IC1.

CLOCK – RB0 (see the enclosed GPMPU28 manual) connects to the PS/2 clock line. This is marked on the edge of the board near IC1.

DAVAIL – Connected to LED

You will want to construct a cable using the enclosed PS/2 connector. The pinout is usually:

Pin 1 – Data (RB5)

Pin 3 – Ground

Pin 4 – +5V

Pin 5 – Clock (RB0)

Because these connectors may vary from the factory, we suggest you verify the pin out with an ohmmeter before construction.