SOFTWARE

The AOB2-P card is straightforward to program. For example the following BASIC procedure might be used:

To output an analog value with 12-bit resolution, a corresponding decimal number N between 0 and 4095 is calculated.

$$N / 4095 = V(out) / V(full scale)$$

Then the number is split between high and low bytes, as follows:

Next the data are written to the selected analog output channel. (See I/O Address Map.) In this example, we will assume analog output 0 (AO 0).

For simplicity, it was assumed that the simultaneous-update capability of AOB2-P was not used.

This is demonstrated in Sample Program #1 on the diskette provided with your AOB2-P card. That program is provided in QuickBASIC, C, and Pascal.