133-Axcent 2 Hardware Basics

Axcent 2 Hardware Basics

Cables:

Programming cables					Modem cable	
Ax3 -	PC	Ax3 -	PC		Ax3 -	Modem
2 -	3	2 -	2		2 -	3
3 -	2	3 -	3		3 -	2
5 -	5	5 -	7		5 -	7
						4-5 jumpered
						6-20 jumpered

Baud Rates:

The AXCENT 2 PROGRAM port and RS-232/422 port baud rates and other parameters are set using an eight switch DIP packages mounted on the front face of the controller to the right of the 9 pin program port. The DIP package for the program port can be changed while powered and the changes take effect immediately. Changes in the DIP packages for the four RS-232/422 ports are read only on power-up. Power the Axcent 2 down and restore power to enable changes to these ports.

Dip Switch Setting: 0 = Off 1 = On

Stop Bit s (S1)	Data Bits (S2)	Parity (S3-5)	Baud (S6-8)
1 = 1 bit	1 = 8 bits	111 = None	111 = 38,400 bps
0 = 2 bits	0 = 7 bits	011 = Odd	011 = 19,200 bps
		101 = Even	101 = 9,600 bps
		001 = Mark	001 = 4,800 bps
		110 = Space	110 = 2,400 bps
			010 = 1,200 bps
			100 = 600 bps
			000 = 300 bps

Examples:

All switches on would be: 11111111.

This equals 1 stop bit, 8 data bits, No parity, at 38,400 bps.

11111101.

This equals 1 stop bit, 8 data bits, No parity, at 9,600 bps.

AXlink LED on AXCENT 2:

Off (dark) Unit has no power or is not functional.

One blink per second All devices reporting as programmed.

Two blinks / second One or more devices missing or addressed wrong.

3 blinks / second Unstable Axlink bus (check wiring).

On solid No program loaded in master.

If there is no program loaded in the master, the Axlink LED will show solid on. In this condition the Axcess "Push" window will not give the expected feedback. In 'Terminal Emulator' the response to "Hello" will be "HOW ARE YOU DOING". Load a program to operate the system.

Available Devices:

The Axcent 2 has the following complement of devices:

4 ea. RS-232/422 ports (devices 1-4)

8 ea. SPST normally open Relays (device 5)

8 ea. IR/Serial ports (devices 6-13)

6 ea. I/O ports (device 14)

IR/Serial Dipswitches:

Under the heading of "IR/Serial" on the front of the Axcent 2, there are two sets of 8 switch DIP packages. These switches configure the 8 IR/Serial port on the unit. Switch 1 corresponds to the first IR port (device 6), S2 with the second, and so on. The top set, marked "IR/S", set the port to "IR" or "Serial" modes. Up (on) enables the IR mode, Down (off) enables Serial mode. The bottom set of switches, marked NORM/NC, designate whether the port uses a carrier signal or not. Up (on or NORM) enables the carrier signal within the IR code. Down (off or NC) disables or strips the carrier.

Firmware:

Firmware is upgraded through the use of two 28 pin EPROM chips. These may be obtained by contacting Technical Support.

For more information, please refer to your AMX Technical Binder located on the latest release of the AMX Control Disk or contact your AMX Team.