

CoolMaster - M1 Serial Port Expander

Set the M1XSP Mode Jumpers as follows for the Coolmaster mode of operation:

S5 = 0, S6 = 0, S7 = 1 and S8 = 1.

On power up the M1XSP will transmit a "set echo 0" to turn off echo (refer to page 8 of the Interface Adapter Manual).

The M1XSP will expect to see the "OK" reply before it continues. If the "OK" reply is received, the M1XSP will start polling the units. It polls units 1-00 to 1-0F in sequence with 10 seconds in between a unit poll.

"stat 100" (if no reply is received, 1 second later repeat "stat 100"), wait 10 seconds, "stat 101" (if no reply is received, 1 second later repeat "stat 101"), wait 10 seconds, etc...

If there is a change in mode (off, heat, or cool), fan speed (high or low), current temperature, or setpoint temperature from the thermostat the M1XSP will report to the M1. Keep in mind that a change of state from the thermostat side could take up to approximately 160 seconds before it gets to the M1. If a change comes from the M1 side; the M1XSP will process the command and immediately transmit the proper Coolmaster command to the thermostat.