

Advantage Air M1 Serial Port Expander

The firmware version is 60.0.1.

This version combines the Advantage Air code with Dynalite and HPM into a separate version.

For Advantage Air operation the M1XSP's Mode jumpers should be set as: **S5=1, S6=0, S7=0 and S8=1.**

When the M1XSP powers up or is reset it sends the RESET=1 command to the Advantage Air Home Automation Module.

The M1XSP looks for the +READY response from Adv Air.

The M1XSP next sends the GSS=?

If it gets the proper reply, the M1XSP next sends the RCS=?

If it gets the proper reply, the M1XSP next sends the ZST=1 to ZST=x for the number of zones that were reported by the +GSS reply.

Once all the zones are read, the M1XSP sends ASU=1 to place the system into the Automation System Update mode.

Once that is done the Advantage Air should update the M1XSP whenever a change occurs.

There are quite a few limitations in operation.

- The M1 can only support 16 zones of the 32 supported by Adv Air.
- The M1 can only support the FAN as ON or in AUTO mode. The Adv Air has 3 fan speeds. I set the FAN ON if Adv Air reports a value of 2 or 3, and I set the FAN to AUTO if Adv Air reports a value of 1.
- The M1 doesn't support VENT mode. If Adv Air reports a value 3 for System Mode, I set the M1 to Emerg Heat.
- M1 doesn't support Fresh Air Mode
- M1 doesn't support Filter Mode
- M1 will ignore a Zone OPEN/CLOSE report (only zone temperature will the M1 receive)

M1 can only use whole numbers for temperatures and setpoints. This is not ideal when working in Celsius.