

Application Guide

Installing ZON Router Expansion Modules



The ZON router will accommodate up to four (4) specially-designed expansion modules (e.g. ZIR-232 Device Commander, ZEP-11 External Paging Interface). All expansion modules have basically the same form factor - a metal enclosure that mates to the ZON router frame, and a 40-pin ribbon cable.

Special Notice

When installing ZON Expansion Modules, make certain that the router's AC power cord is disconnected. Never install or remove expansion bay covers with the router connected to AC power.

Likewise, **never** connect/disconnect expansion modules with a live (powered) ZON router. Doing so will cause permanent damage to your expansion module and could damage your ZON router.

Expansion modules require the router it is installed in have a certain firmware level to operate properly. It is recommended that your ZON router's firmware be compatible with the expansion module before you install the hardware. Read the documentation that accompanies your expansion module or contact Oxmoor technical support for more information.

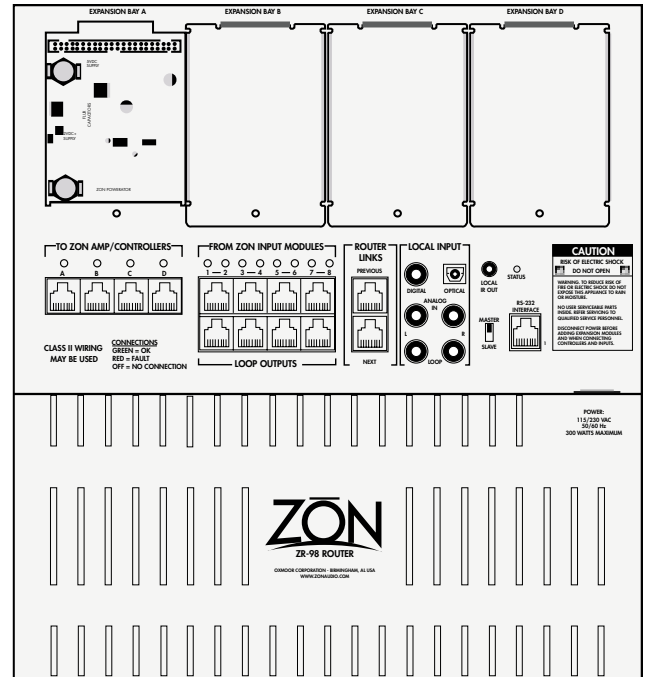


Figure 1

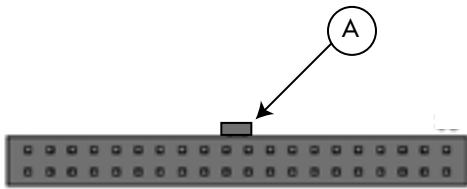


Figure 2a

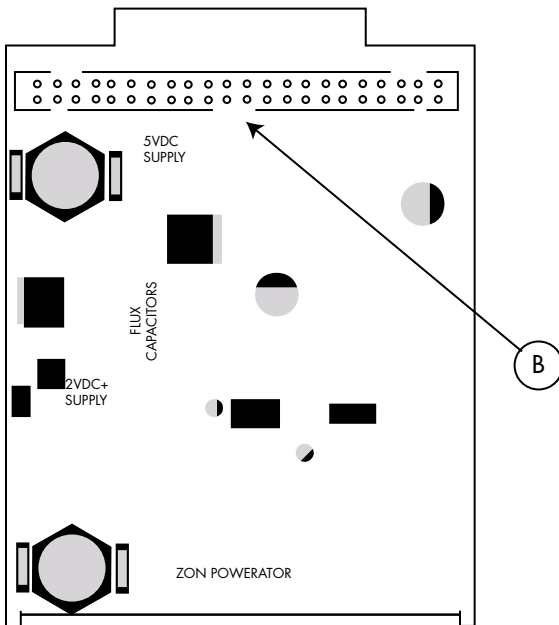


Figure 2b

Installing an Expansion Module

1. Disconnect the AC power cord from the ZON router.
2. Remove the expansion bay cover plate. Using a #2 Phillips screwdriver, remove the cover screw and remove the cover plate. Figure 1 shows a ZON router with the "A" port cover removed.
3. Connect the 40-pin ribbon cable to the module. The cable provided with the module is the proper length and form factor for the router. The cable is "keyed" to force the proper pin placement. Figure 2a shows the key (A) that is present on both ends of the ribbon cable. Figure 2b shows the key slot (B) on the router's 40-pin receptacle (which is also typical of the module's 40-pin connector).
4. Connect the ribbon cable to the router, making sure the key on the cable is aligned with the key slot on the router.
5. Insert the module into the router. Align the tab on the module's top with the tab opening on the router's frame (Figure 3 shows a typical module front view). Slide module in and up. This should hold the module in place.
6. Re-install the screw removed in step 1 above. When the module is properly installed, the screw hole on the bottom tab of the module will be aligned with the threaded hole on the router's frame.
7. Re-connect power to the ZON router.



Figure 3

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