Installing Single-mode and Multi-mode Fiber Extenders

A fiber optic extender increases the available distance between the LED display and the controller. Each model of fiber extender can relay content over a specified distance; the Single-mode (SM) fiber extender increases the transmission distance by 15 KM, and the Multi-mode (MM) fiber extender increases the transmission distance by 300 meters. Multiple extenders can be chained together between the control unit and the array to extend the distance even further.

Installing the fiber extender

1. Connect the power cord to the fiber extender.

2. Plug the Ethernet cable from the control unit into the fiber extender.

3. Connect the fiber optic cables between the two fiber optic extenders.

   Notice. Failure to comply with the following may result in property damage.
   - Do not bend the fiber optic cable beyond their minimum bend radius. Sharp bends in the cable can damage the cables and cause transmission problems.

   a. Remove the covers from the fiber optic cable ends.

   b. Remove the protective plug from the fiber optic ports on the extender.
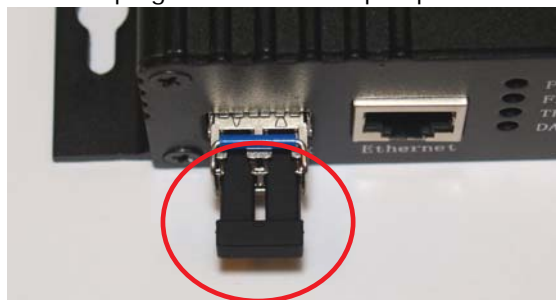
   c. Connect one fiber optic cable into the TX port on each extender.

   d. Connect the other fiber optic cable into the RX port on each extender.

If the fiber optic cables are not plugged into the same port on each extender, the LED panels do not display any content.

4. Plug an Ethernet cable into the last extender in the chain, and connect it to the first panel in the array.

5. Plug the fiber extender power cables into a wall socket.

6. Power on all the components in the tile configuration.

Technical support

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