

AlphaEclipse StreetSmart MULTIPLE MASTER Sign Connection

<http://www.adaptivedisplays.com/support/eclipse>

This QuickStart gives a brief overview of sign installation.
For complete instructions, see the "AlphaEclipse StreetSmart Sign Installation Manual" (pn 1179600101).

1 Identify the MASTER sign and each SECONDARY MASTER sign. Locate the label on the back of each sign:

Up to 3 SECONDARY MASTER signs



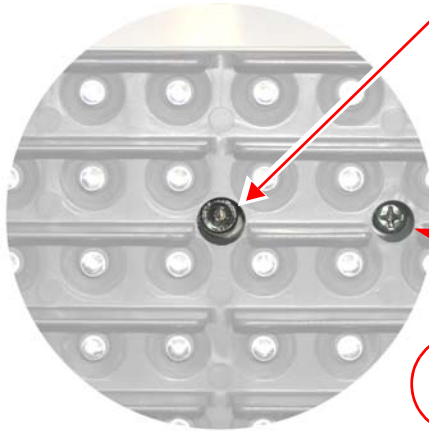
Each sign (except for the last sign) will have a wiring kit in the Control Cube.

2 Starting with the sign with SERIAL ADDRESS = 1, locate and open the Control Cube's door:

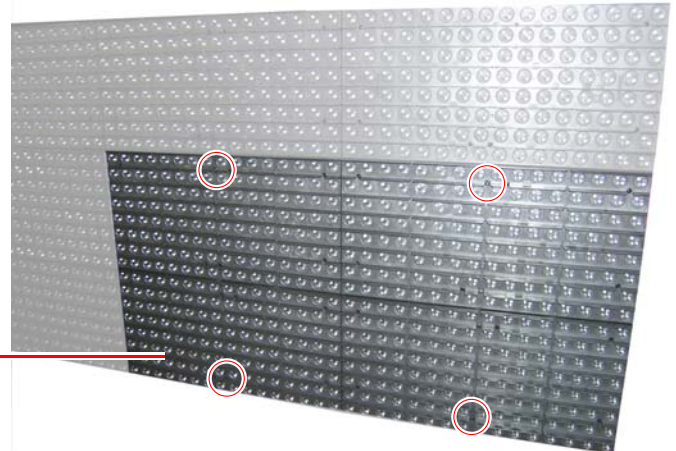


Use a 5/32-inch hex tool to open each Control Cube door locks (circled).

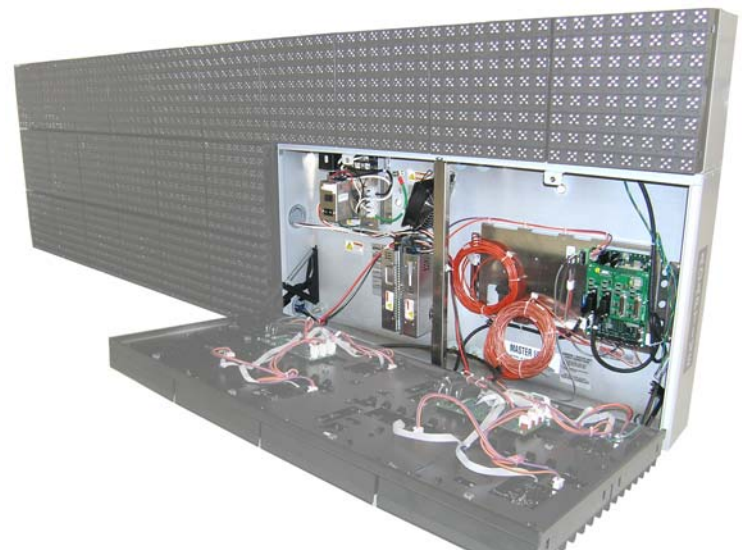
There are 4 to 6 door locks on a sign door. Each door lock is hexagon shaped:



The Control Cube is in the bottom row on the far right side of a sign.

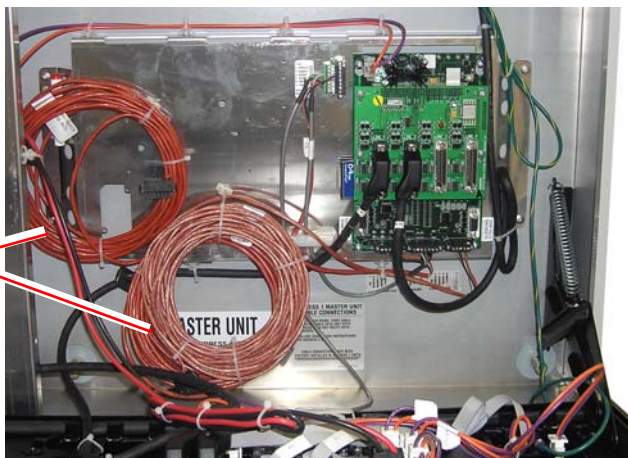


Do NOT remove any of the Phillips head screws. These screws hold the LED boards to the sign door.

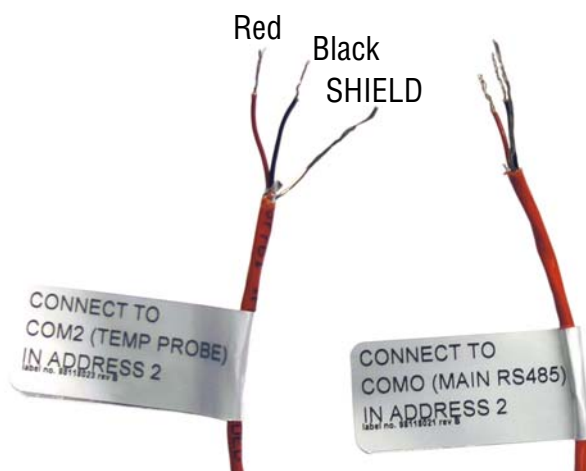


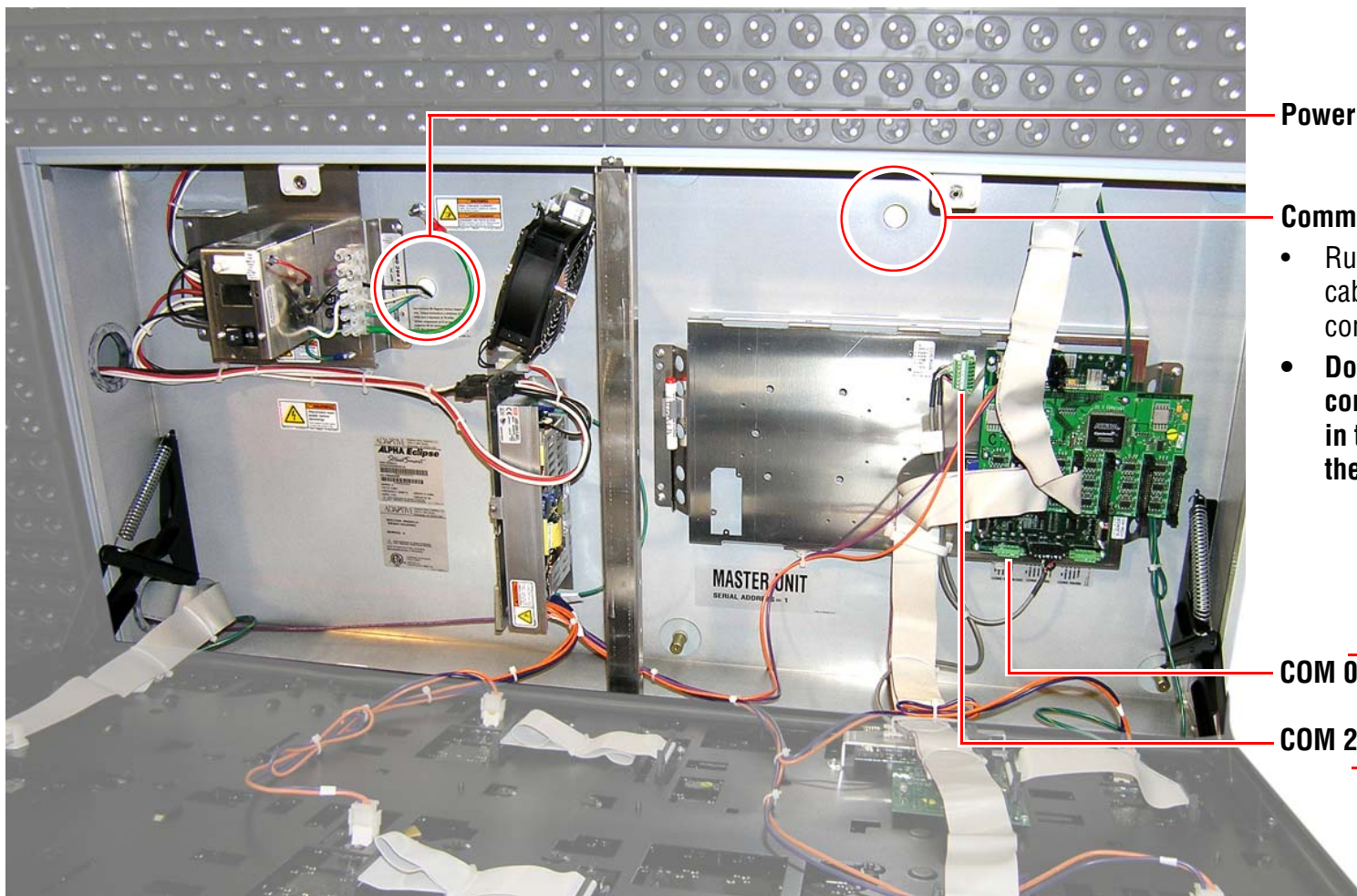
3 Remove the communication cable from the Control Cube:

Communication cable



4 There are two, labeled communication cables:

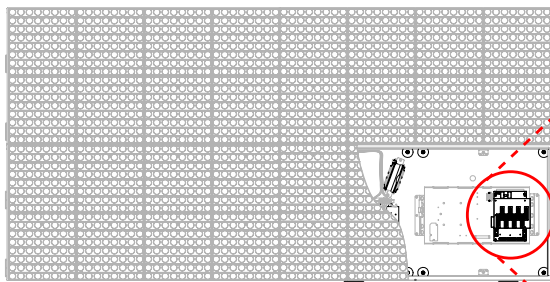
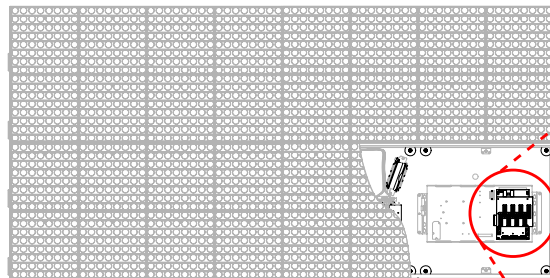
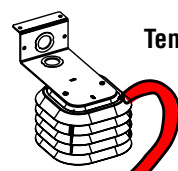
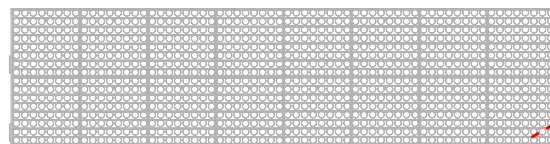


5**Run the two communication cables through one of the conduit openings *under* the controller board:****Power wire conduit hole****Communication conduit hole**

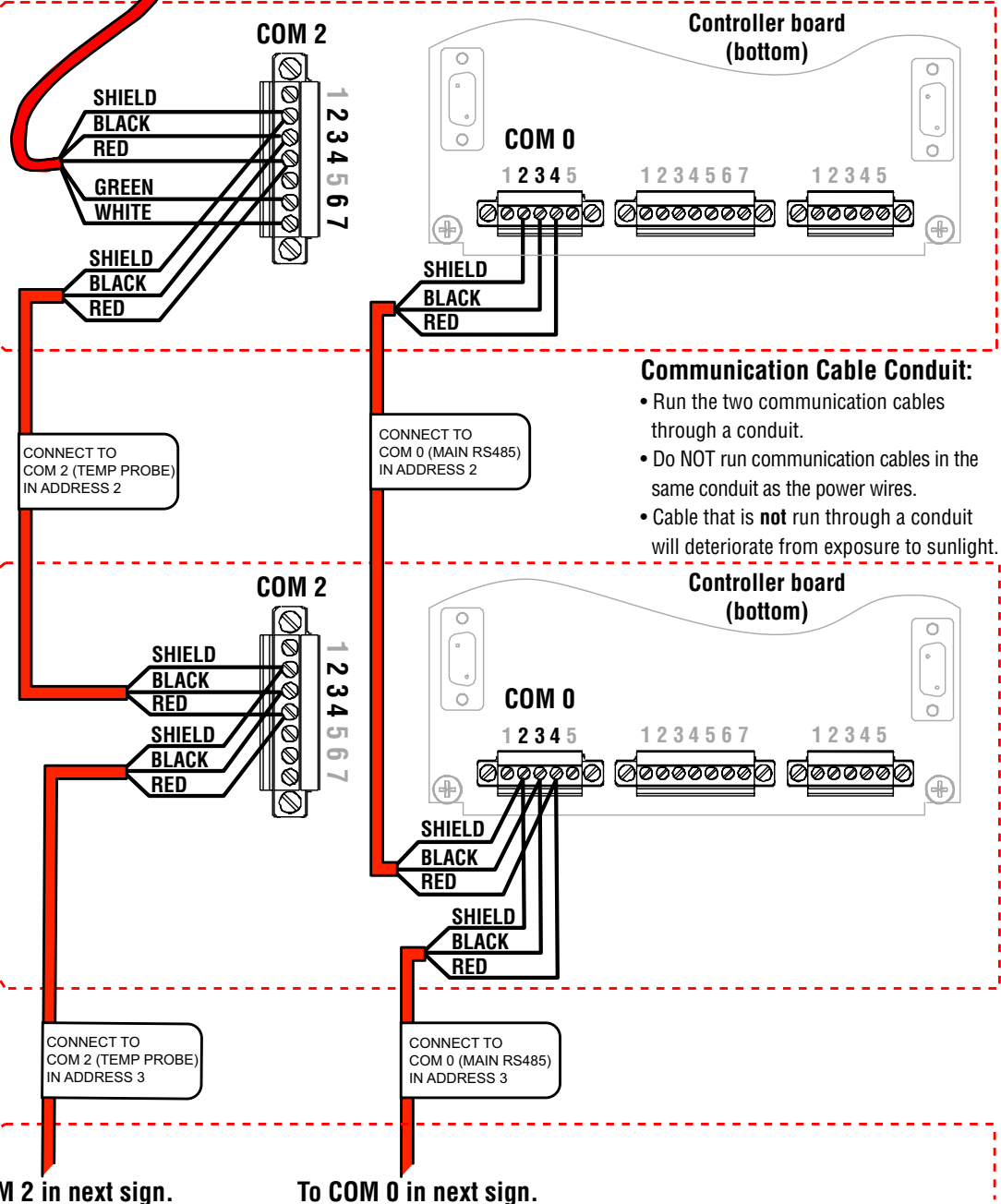
- Run communication cables through this conduit hole.
- **Do NOT run communication cables in the same conduit as the power wires.**

COM 0**COM 2**

Connect communication cables to these (see step #6.)

6**Repeat steps #2 through #5, until all the signs are connected as shown below:**
**MASTER UNIT
SERIAL ADDRESS = 1**

**Control cube
(bottom rightmost cube)**
**SECONDARY MASTER UNIT
SERIAL ADDRESS = 2**

**Control cube
(bottom rightmost cube)**
**SECONDARY MASTER UNIT
SERIAL ADDRESS = 3**
**Temperature probe (optional)**

Mount the probe to a light-colored surface at least 6 feet above ground and **not** in direct sunlight.


**Controller board
(bottom)**
COM 0

1 2 3 4 5

1 2 3 4 5 6 7

1 2 3 4 5

SHIELD BLACK RED

SHIELD BLACK RED

Communication Cable Conduit:

- Run the two communication cables through a conduit.
- Do NOT run communication cables in the same conduit as the power wires.
- Cable that is **not** run through a conduit will deteriorate from exposure to sunlight.

**Controller board
(bottom)**
COM 0

1 2 3 4 5

1 2 3 4 5 6 7

1 2 3 4 5

SHIELD BLACK RED

SHIELD BLACK RED

SHIELD BLACK RED

CONNECT TO COM 0 (MAIN RS485) IN ADDRESS 3

CONNECT TO COM 0 (MAIN RS485) IN ADDRESS 3

To COM 2 in next sign.

To COM 0 in next sign.

7**Complete the sign installation.**

- See the "AlphaEclipse StreetSmart Sign Installation Manual" (pn 1179600101).
- Remember to earth ground the sign using the ground lug on the back of the sign.



Ground lug