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ELEVATED PLUS MAZE

ASSEMBLY & WIRING GUIDE

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notes

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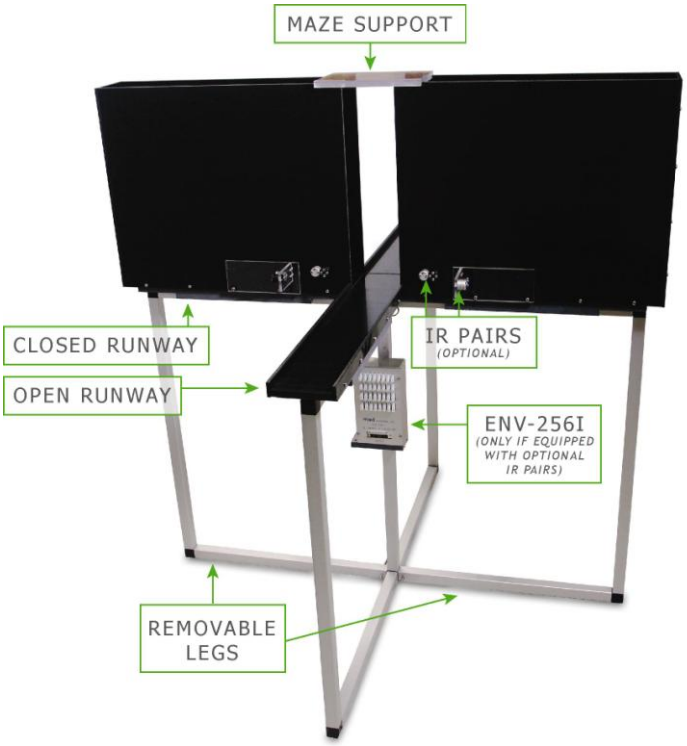
CHAPTER 1 | ASSEMBLY

The Elevated Plus Maze has been separated into basic components for shipping purposes. The following steps will guide the user in assembling the Elevated Plus Maze.

1. First, unpack all components of the maze.

Figure 1-1 – Elevated Plus Maze Labeled



2. Next, locate the maze base and situate it in the location where testing will be performed.
3. Line up each of the two removable legs with the corresponding holes (Figure 1-2).

Figure 1-2 – Line Up Removable Legs

4. Secure the removable legs in place using the included retaining pins (Figure 1-3).

Figure 1-3 – Secure Legs in Place

5. Attach the long runway support over the fixed legs using the included wing nuts.
6. Using the included wing nuts, attach the two shorter runway supports over the legs.
7. Snap the center hub and four runways to the runway supports, as shown in Figure 1-4. The two closed runways should be over the removable legs and the two open runways should be over the fixed legs.

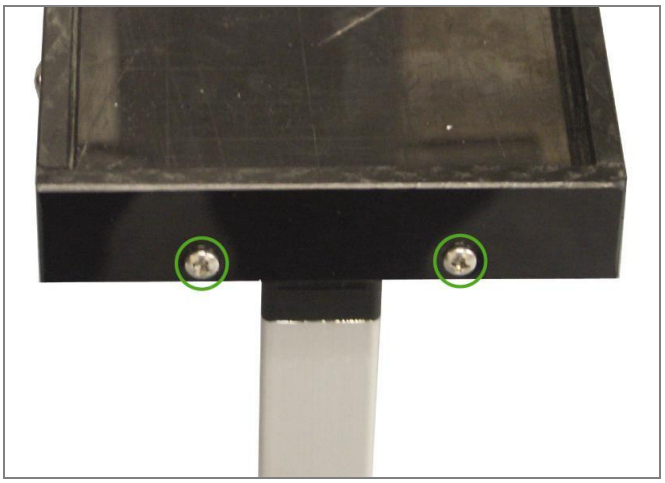
Figure 1-4 – Connect Runways

8. If the maze is equipped with optional IRs, locate the mountings screws on one leg of the Elevated Plus Maze and mount the ENV-256I bracket to these screws (Figure 1-5.)

Figure 1-5 – Attach the ENV-256I Connection Panel (If Maze is Equipped with Optional IRs)

9. Place the clear plastic maze support over the center of the maze, as shown in Figure 1-1, to stabilize the walls of the closed runways.
10. Not all users will require the use of the blocks at the ends of the open runways. These blocks are intended for users who desire a slight rim or wall at the edge of the open runway, rather than a direct opening that is flush with the runway floor. To remove these blocks simply unscrew the two Philips screws indicated in Figure 1-6.

Figure 1-6 – Unscrew to Remove Block from Short Runway



CHAPTER 2 | IR SENSOR WIRING INSTRUCTIONS

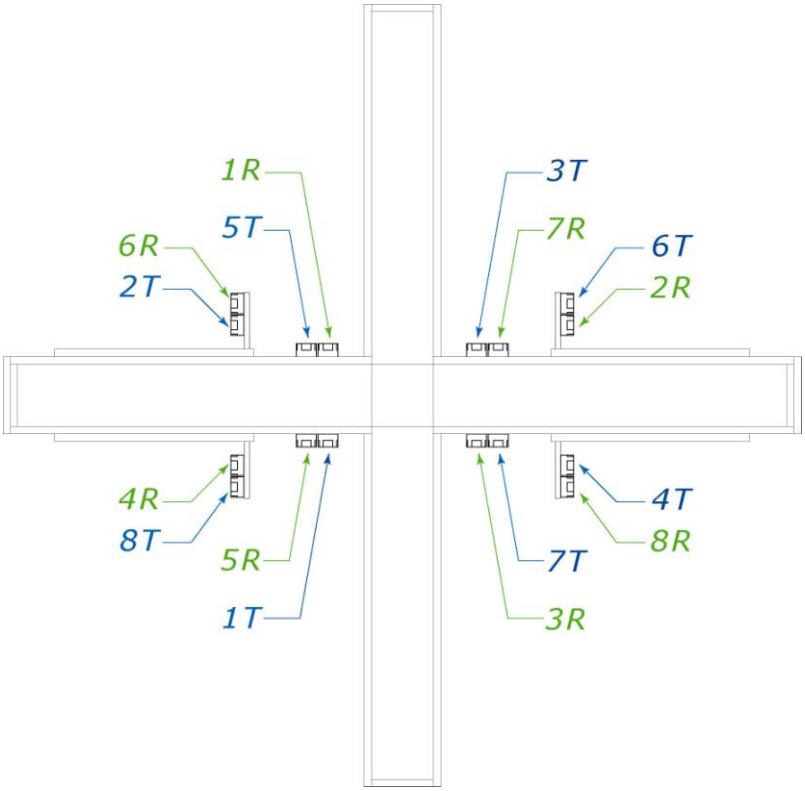
These wiring instructions apply only to Elevated Plus Mazes that are equipped with IR sensors.

NOTE: Prior to wiring the system, be sure that all devices are switched off. Failure to do so may result in equipment damage.

The Elevated Plus Maze will arrive with each IR connection clearly labeled for easy wiring. The IR transmitter cables terminate at a two-pin Molex connector, and the IR receiver cables terminate at a three-pin Molex connector. Be sure to connect each IR to its corresponding port on the ENV-256I in order to avoid damage to the connector and to ensure proper functioning of the Elevated Plus Maze.

A diagram is included below to assist with the connection of systems whose IR cables are not properly labeled.

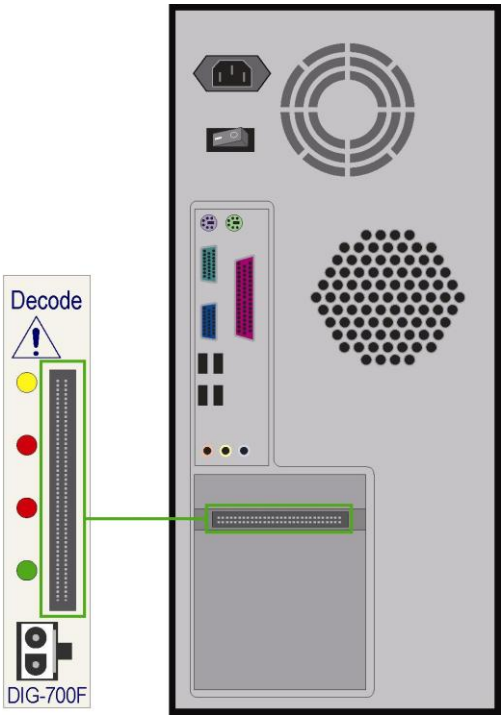
Figure 2-1 – Numbering of IR Transmitters and Receivers



1. Connect the IR transmitters and receivers to the ENV-256I-8. Refer to Figure 2-1.

2. Using the included ribbon cable, connect the DIG-700F Decoder Card, located in the Interface Cabinet, to the DIG-704 Interface Card, located on the back of the computer.

Figure 2-2 – Connect the DIG-700F to the DIG-704



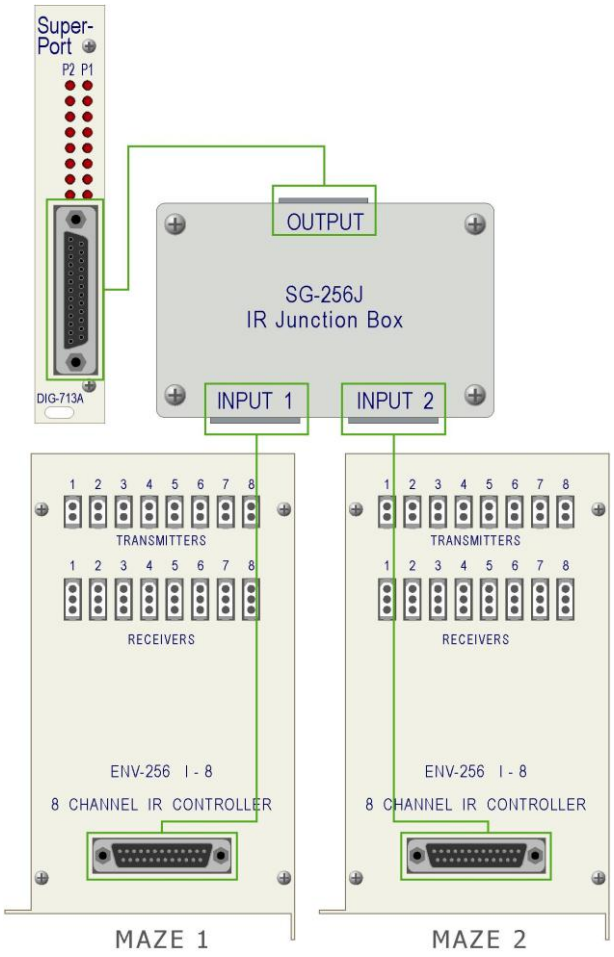
3. Connect the DIG-700F Decoder Card to any available 28V connector on the back of the SG-6080D cabinet (or any other 28 VDC MED power supply).

Figure 2-3 – Connect the DIG-700F to a 28V MED Power Supply

Connecting Additional Mazes

1. Connect the ENV-256I Connection Panel associated with Maze 1 to INPUT 1 on the SG-256J Junction Box.
2. Connect the ENV-256I Connection Panel associated with Maze 2 (if using two mazes) to INPUT 2 on the SG-256J Junction Box.
3. Connect the SG-256J Junction Box OUTPUT connector to the DIG-713A Input Module, located in the Interface Cabinet.

Figure 2-4 – Connect the ENV-256I to the SG-256J to the DIG-713A



Appendix A | Contact Information

Please contact MED Associates, Inc. for information regarding any of our products.

Visit our website at www.med-associates.com for contact information.

For technical questions, email support@med-associates.com.