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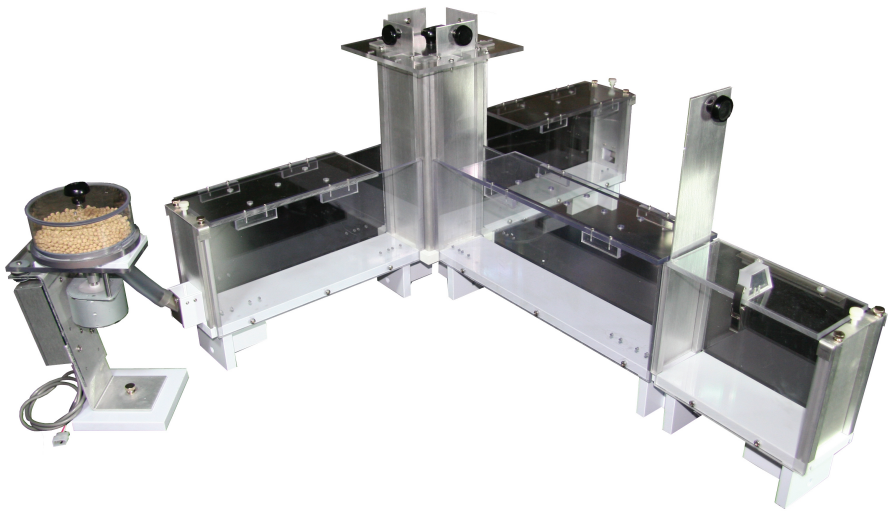
instrumentation and software for research

# T-MAZE

## INSTALLATION MANUAL



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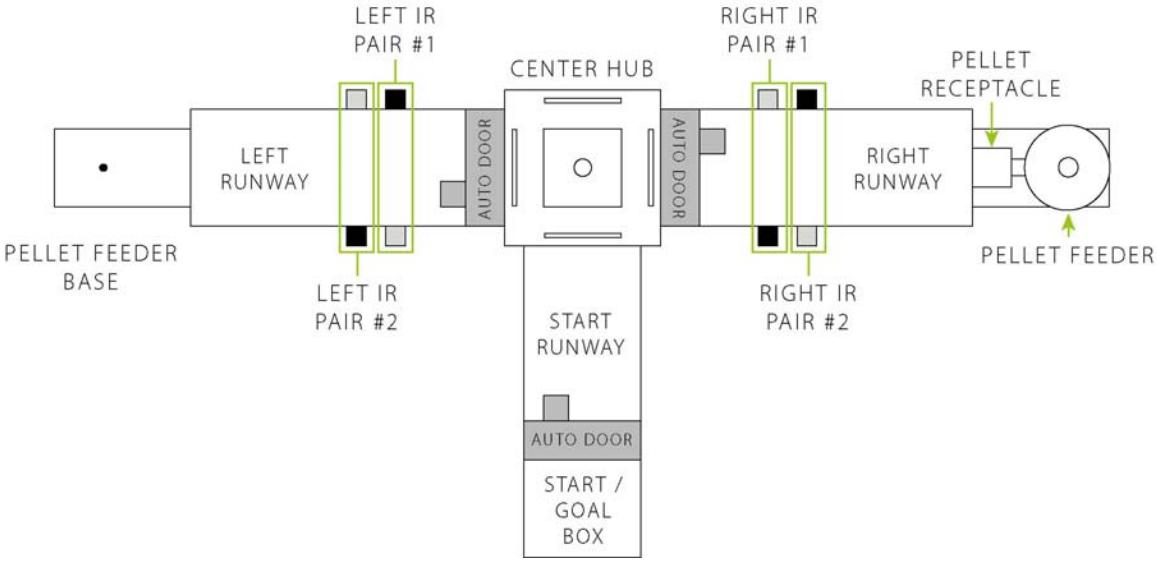
# MAZE ASSEMBLY INSTRUCTIONS

1. Unpack all hardware included with the T-Maze system.
2. Position the Center Hub on the flat surface where the completed maze will be used, as it is extremely difficult to move a completed maze system.
3. Snap the Pellet Feeder Bases to the ends of the Left and Right Runways opposite the Automatic Guillotine Doors, as shown.
4. Snap the other end of the Left and Right runways to opposing sides of the Center Hub.
5. Connect the Start/Goal Box to the end of the Start Runway that has the Auto-Guillotine Door.
6. Snap the other end of the Start Runway to the remaining opening on the Center Hub.
7. Fasten a Pellet Feeders to the Pellet Feeder Bases at the ends of both the Left and Right Runways.
8. Connect the Pellet Dispenser spout to the Pellet receptacle with the supplied tubing.

*Figure 1 – Diagram of the T-Maze*



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# CABLE CONNECTIONS

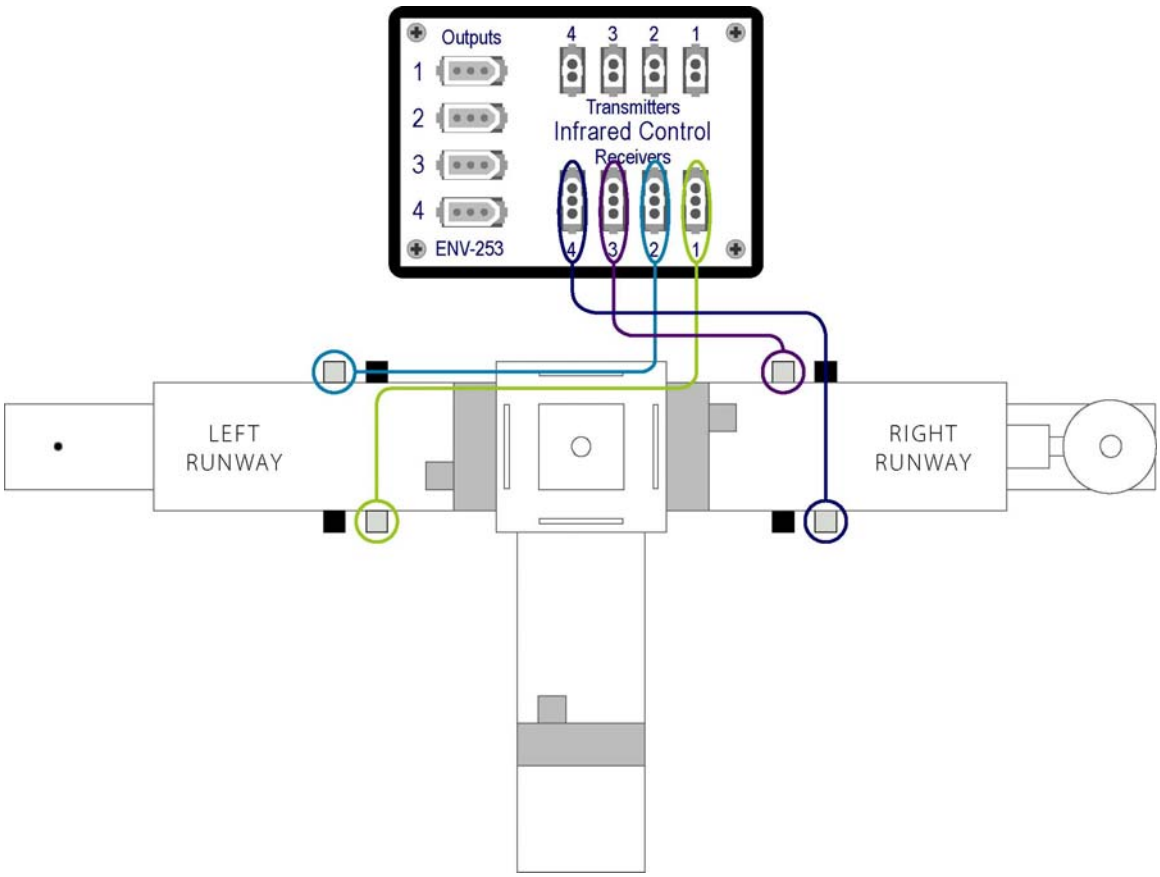
Refer to Med Associates SmartCtrl Interface Modules Manual to arrange the SmartCtrl and PCI Interface packages.

## IR Receiver Connections

The IR Receivers are in silver housings and have cables that terminate with 3-pin Molex connectors. Refer to Figure 2 when making these connections.

1. Connect Left IR Receiver #1 (the IR Pair closest to the Center Hub) to the **Receiver 1** connector on the ENV-253 IR Controller.
2. Connect Left IR Receiver #2 to the **Receiver 2** connector on the ENV-253 IR Controller.
3. Connect Right IR Receiver #1 to the **Receiver 3** connector on the ENV-253 IR Controller.
4. Connect Right IR Receiver #2 to the **Receiver 4** connector on the ENV-253 IR Controller.

*Figure 2 - IR Receiver Connections*



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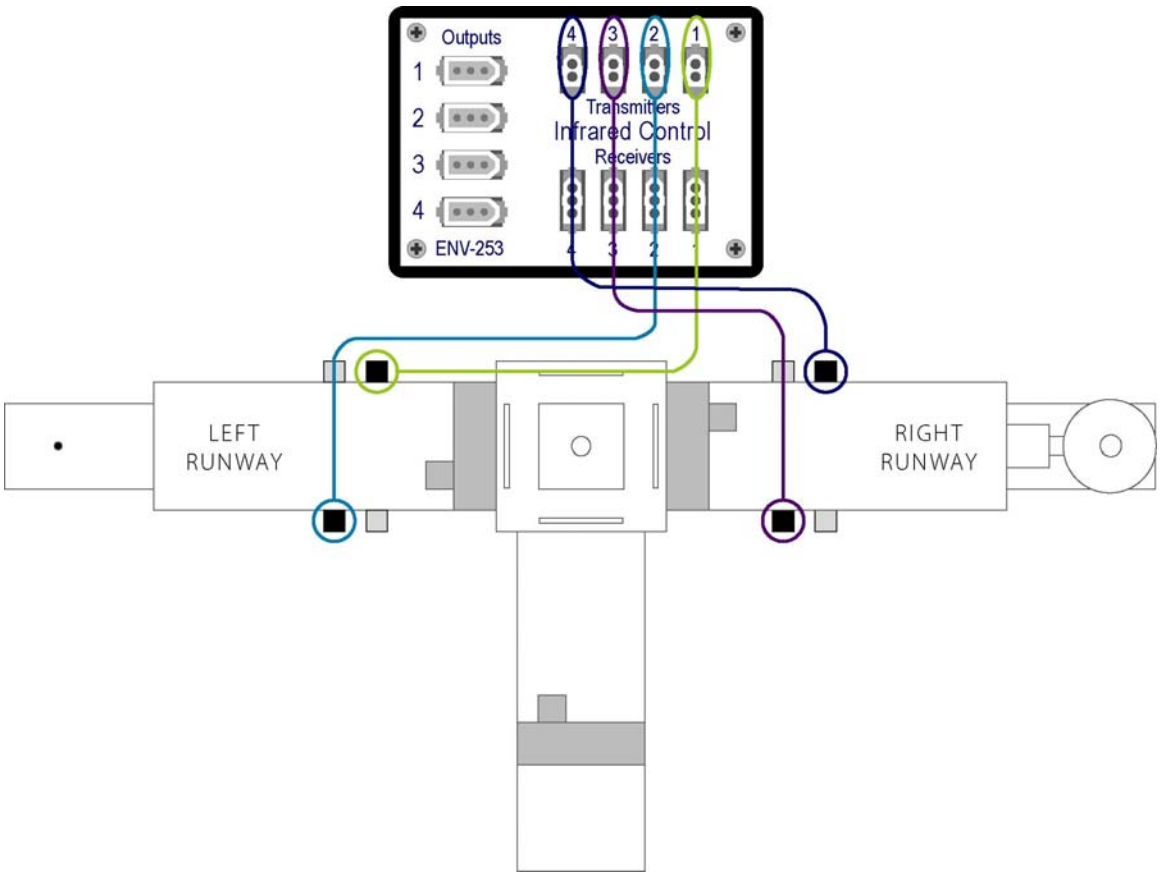
## IR Transmitter Connections

The IR Transmitters are in black housings and have cables that terminate with 2-pin Molex connectors. Refer to Figure 3 when making these connections.

1. Connect Left IR Transmitter #1 (the IR Pair closest to the Center Hub) to the **Transmitter 1** connector on the ENV-253 IR Controller.
2. Connect Left IR Transmitter #2 to the **Transmitter 2** connector on the ENV-253 IR Controller.
3. Connect Right IR Transmitter #1 to the **Transmitter 3** connector on the ENV-253 IR Controller.
4. Connect Right IR Transmitter #2 to the **Transmitter 4** connector on the ENV-253 IR Controller.

*Figure 3 - IR Transmitter Connections*



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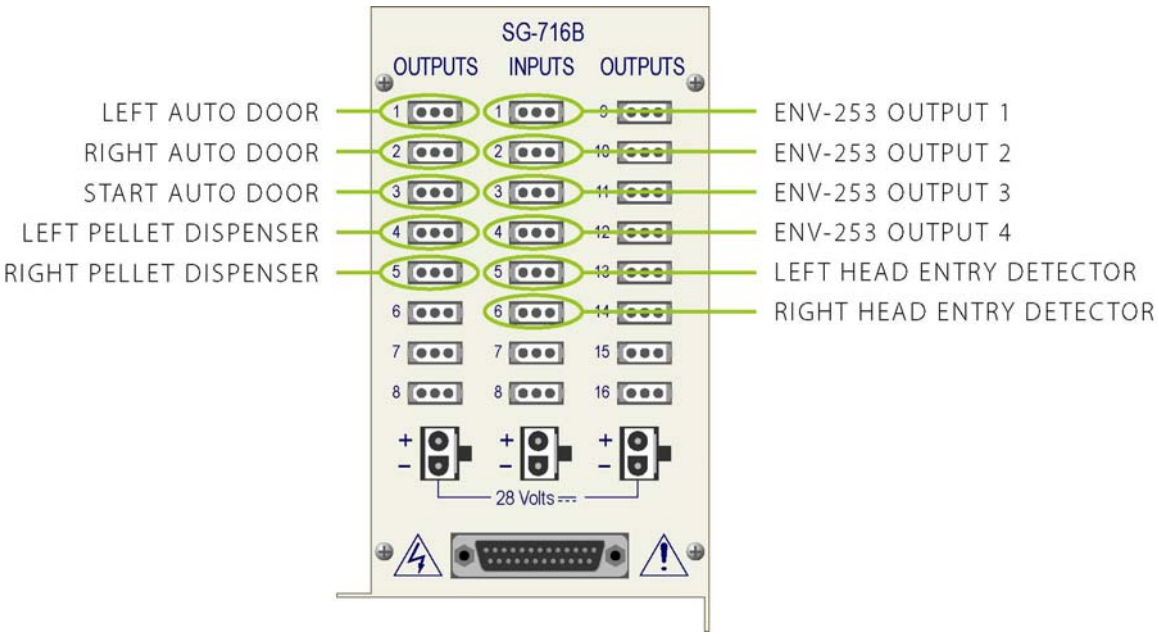
## SmartCtrl Connections

Make the connections to the SG-716B SmartCtrl Connection Panel are shown in Figure 4.

*Figure 4 - SG-716B Connections*



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