

BACKLIT BARNES MAZE

ENV-592-BL

USER'S MANUAL

DOC-283

Rev. 1.0

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Med Associates Inc.
P.O. Box 319
St. Albans, Vermont 05478

Phone: 802.527.2343
Fax: 802.527.5095
www.med-associates.com

notes

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CHAPTER 1 | HARDWARE

The ENV-592-BL Backlit Barnes Maze will arrive partially assembled and requires final assembly by the user. The package includes the following hardware:

- Table base support with alignment pins



- Barnes Maze table top



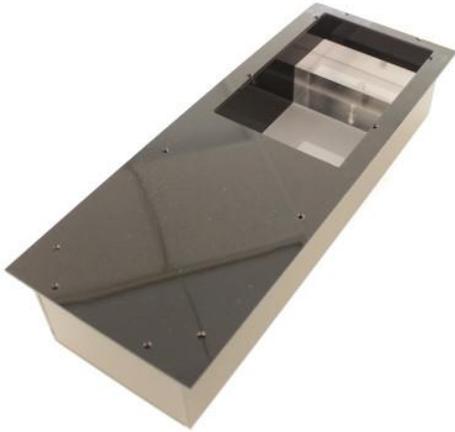
- Light diffuser assembly



- NIR dome light



- NIR transparent goal box, diffuser panel and box step



CHAPTER 2 | ASSEMBLY

Adjusting Table Height

The Backlit Barnes Maze is shipped in its lowest position. To adjust the table height, remove the table top by lifting it off of the support legs. Three of the support legs have alignment pins (Figure 2-1) that seat into the table top. It may require some force and maneuvering to unseat the table top from the alignment pins. Med Associates suggests at least two people perform this step as the top is heavy.

Figure 2-1- Support Leg with Alignment Pin



After the table top is removed, remove the height locking pins (Figure 2-2) from the legs and adjust the legs to the desired height. Replace each leg locking pin after height adjustment and reinstall table top.

The table top has receiving holes for the alignment pins around the entire circumference of the table top so it does not matter how the table top goes back on. Be sure the three alignment pins are securely seated in the receiving holes of the table top.

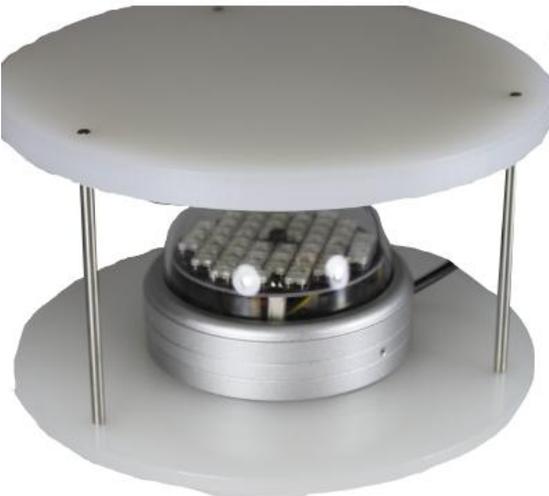
Figure 2-2- Height Locking Pin



Installing Near Infrared (NIR) Backlight

The center of the table base support has three alignment pins, slide the NIR diffuser (Figure 2-3) down on to the pins. Orientation of the pins and holes does not matter. Then slide the NIR light down onto the alignment pins that stick up through the diffuser.

Figure 2-3- NIR Diffuser & Light Assembly



NOTE: The NIR light should be handled with care. The protective film must be removed before use. Do not touch the light dome with exposed skin as oils from skin contact will bake onto the dome.

CAUTION! The NIR light will get extremely hot during use. Allow cooling time before handling.

Installing the Goal Box

The goal box is supplied with an optional diffuser panel insert. Med Associates, Inc. recommends using the insert.

In Figure 2-4 the animal is on top of the table, over the goal box. In Figure 2-5 the animal is entering the goal box. Notice that the subject is still relatively easy to identify.

Figure 2-4- Subject on Top of Table

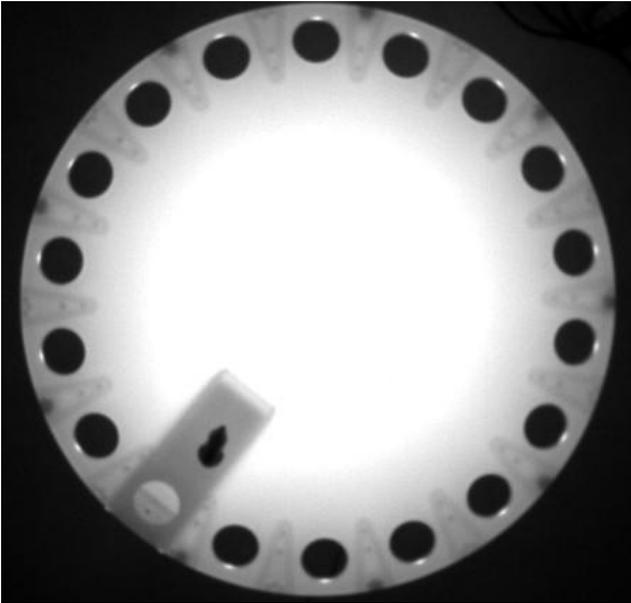
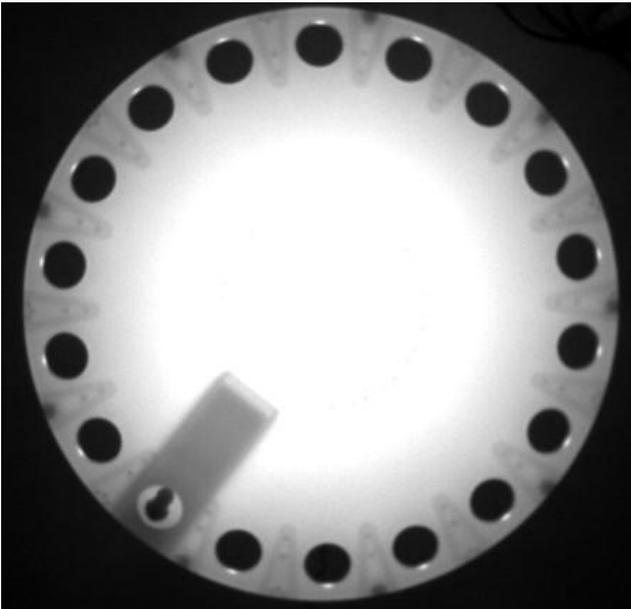
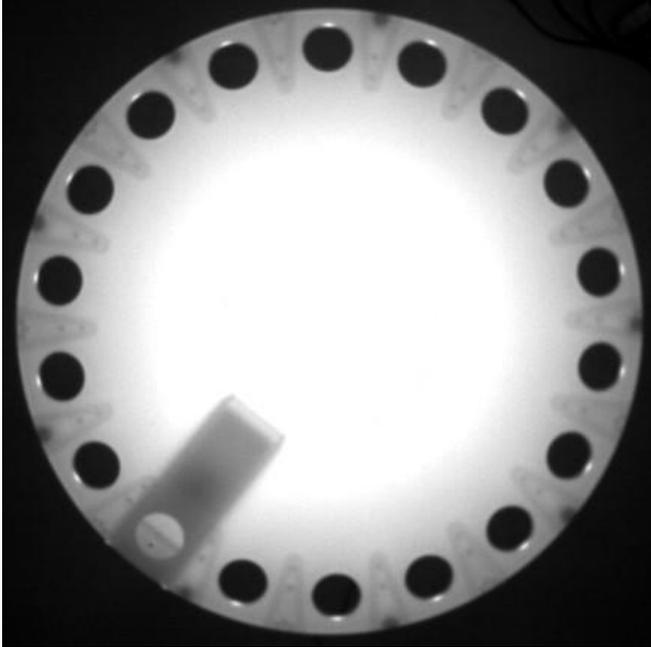


Figure 2-5- Subject Entering Goal Box



Once the subject enters the goal box with the diffuser in place (Figure 2-6) it's difficult to see the subject. The diffuser makes it easier for the software to differentiate between an animal in the goal box and an animal on top of the table.

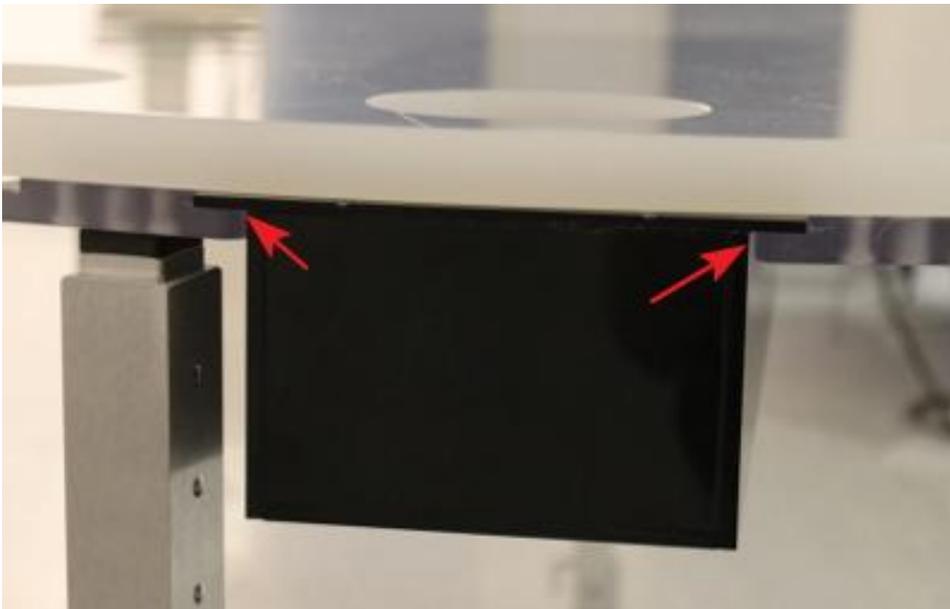
Figure 2-6- Subject in Goal Box with Diffuser Panel



The diffuser panel slides into the goal box and the goal box step is then positioned on top of the diffuser panel.

Install the goal box by sliding it into the tracks under the desired hole. See Figure 2-7.

Figure 2-7- Goal Box Installed



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.