# TECHNIQUE

## PERSONAL / PRO
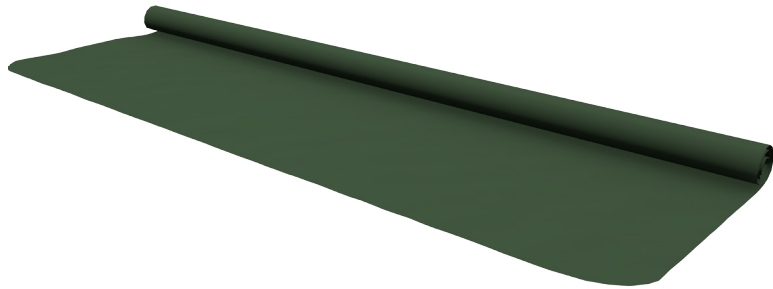
# STEP 01

TECHNIQUE PERSONAL: (SKIP TO STEP 2)
TECHNIQUE PRO:
1. Unroll the TURF.
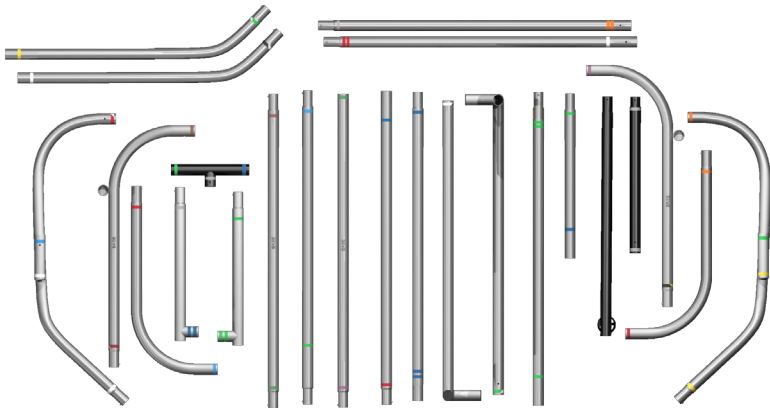2. Place the back edge of the TURF at least 9-12 inches away from any wall or object.

# STEP 02

1. Remove ALL of the frame pieces from the duffle bag.
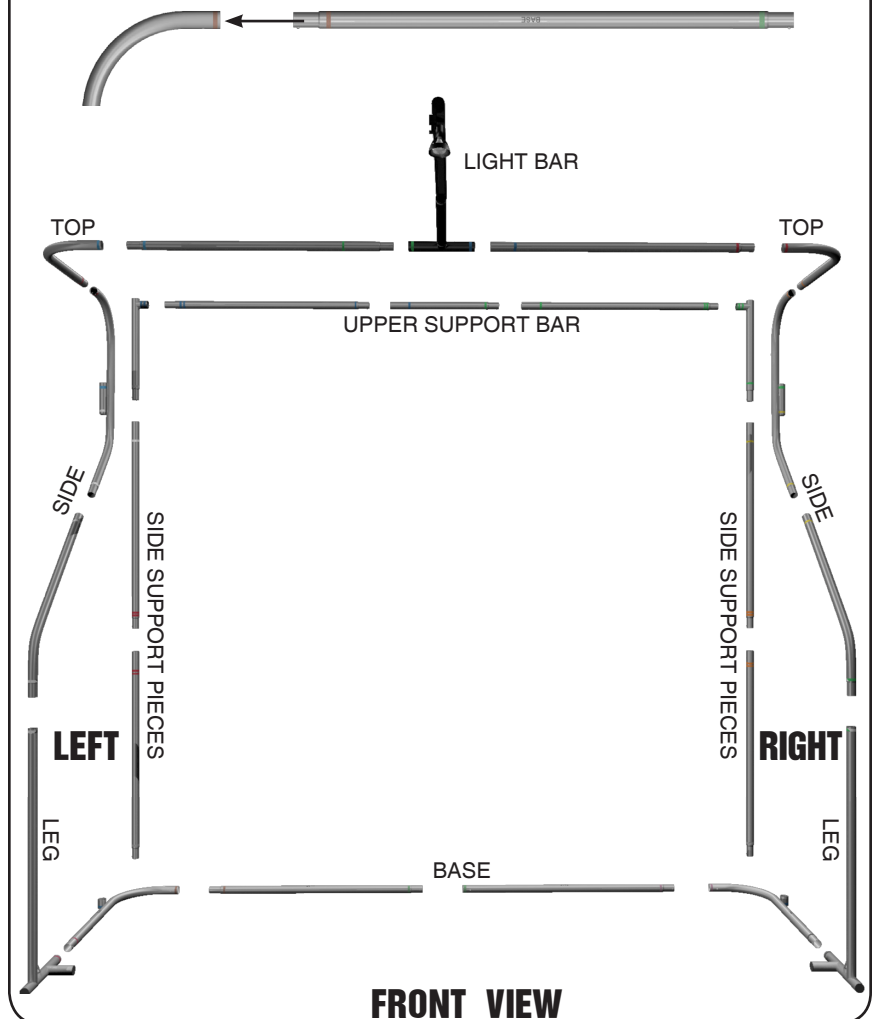   *Note: There are 24 pieces total.*
2. The last tube to be connected will be the RED and BLUE striped tube with the sleeved net on it.

# STEP 03

1. Assemble the 4 tubes labelled BASE by matching corresponding colored stripes. *(Example: Red to Red & Blue to Blue)*
   *Note: The "BASE" label should be facing upward.*
2. Connect the LEG tubes to the BASE.
3. Connect the SIDE tubes to the Leg Tubes by matching the colored stripes.
4. Assemble the TOP CORNERS together by matching the colored stripes.
   *Note: You may need to tilt the frame to assemble the upper horizontal tubes, as the frame stands 8' 6" tall.*

LIGHT BAR

TOP

TOP

UPPER SUPPORT BAR

SIDE

SIDE

SIDE SUPPORT PIECES

SIDE SUPPORT PIECES

LEFT

RIGHT

LEG

LEG

BASE

**FRONT VIEW**

## STEP 04

**IF THE TOP BAR CAME PRE-ASSEMBLED, ATTACH IT TO THE FRAME BY MATCHING THE COLORED STRIPES, THEN SKIP TO STEP 06.**

1. Attach the TOP LEFT tube piece that contains the LIGHT BAR SLEEVE.

    *Note: Do not remove or click the Light Bar Sleeve into place at this time.*



Light Bar Sleeve

## STEP 05

1. Attach the TOP RIGHT tube with the sleeved net installed to the frame by matching the colored stripes.
2. Slide the LIGHT BAR SLEEVE towards the netting and click into place.

    *Note: If the Light Bar Sleeve is properly installed it will be immobile and point slightly upward.*
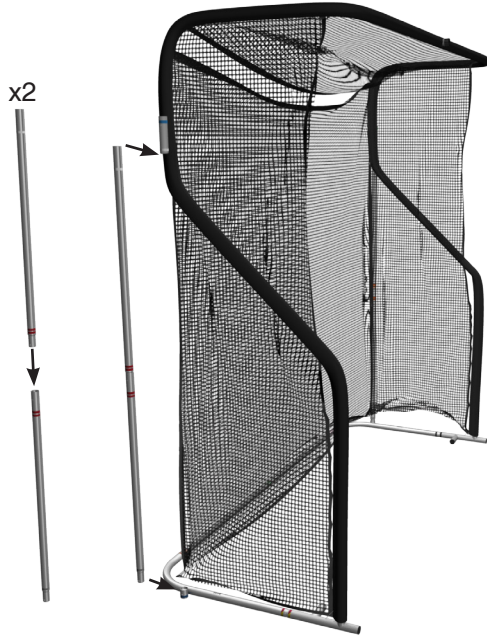


Light Bar Sleeve
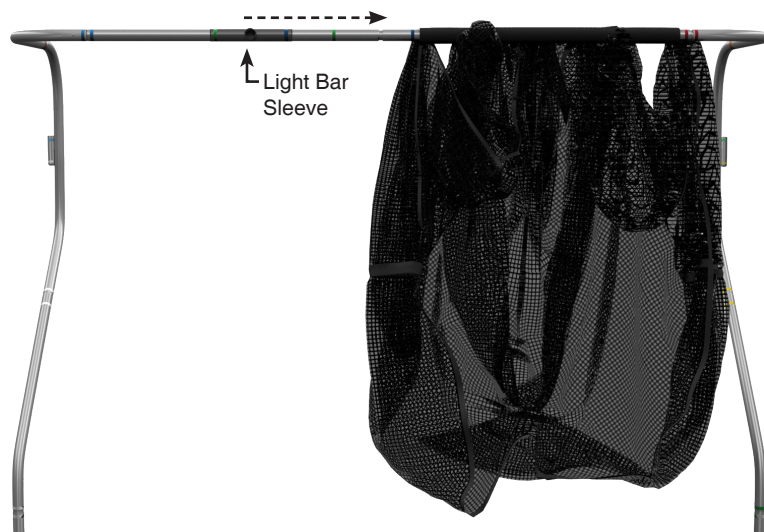
## STEP 06

1. Gently pull down on each side of the sleeve (working back and forth) until the net sits squarely on the frame.
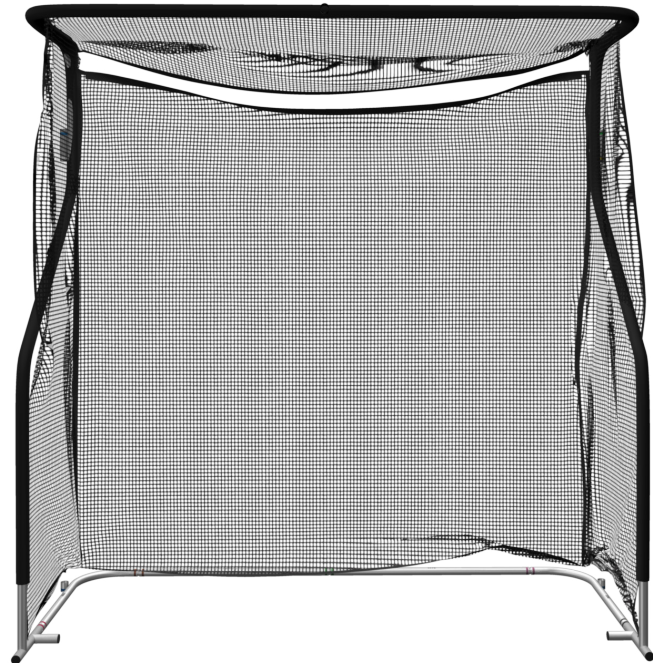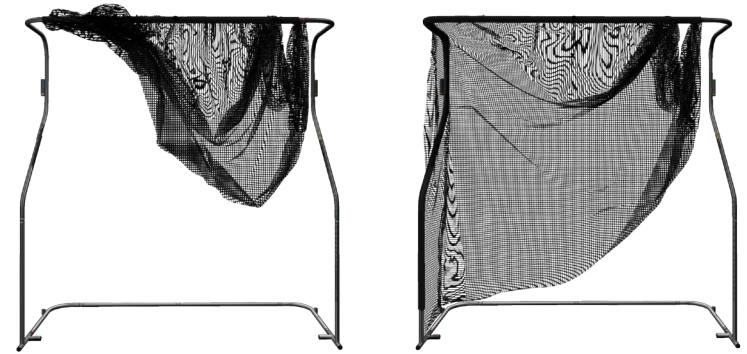
## STEP 07

1. Assemble the SIDE SUPPORT PIECES (2) by matching the colored stripes. Attach these pieces to the rear corners of the frame by matching corresponding colored stripes.

x2

## STEP 08

1. Assemble the UPPER SUPPORT BAR by matching corresponding color stripes.

2. Slide the BLACK SCREEN over the assembled pieces

3. Attach the two end pieces to the top of the SIDE SUPPORT PIECES.
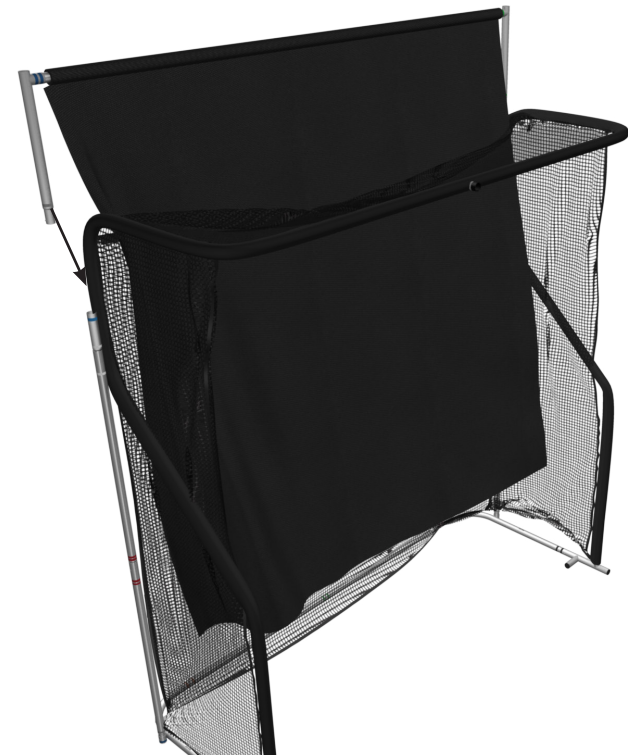
## STEP 09

1. Attach the UPPER SUPPORT BAR by slipping one end at a time through the opening in the netting.

2. Lower the UPPER SUPPORT BAR on to the FRAME as shown below by matching corresponding colored stripes.

# STEP 10

1. Velcro the TOP NETTING to the BLACK SCREEN.
2. Cover the TOP and the UPPER SUPPORT BAR with the attached BLACK COVERING.
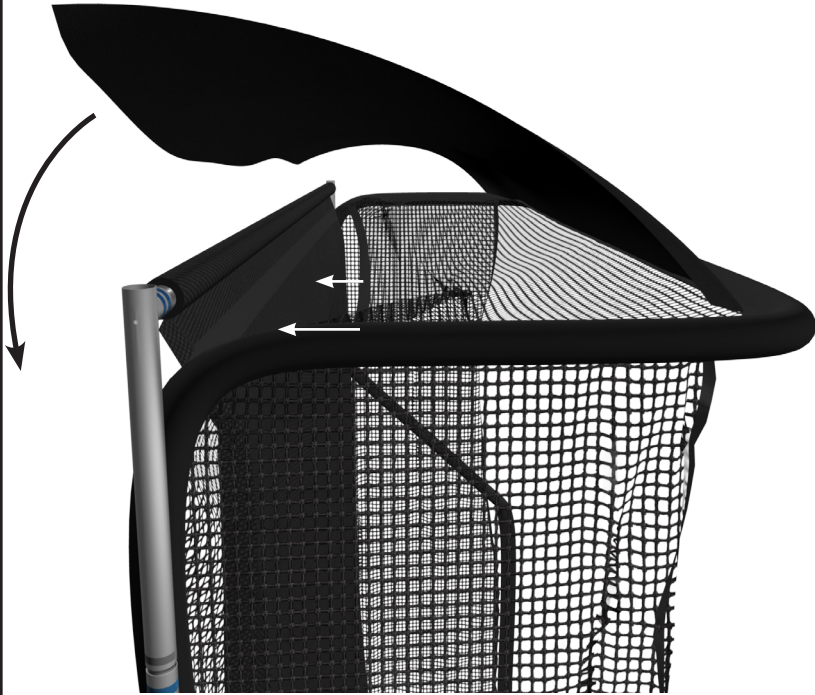


# STEP 11

1. Assemble the LIGHT BAR and attach it to the LIGHT BAR SLEEVE by matching the colored stripes.
   **(see Overhead Light Instructions for more details)**

   *Note: Drape the lights power cord down the back side of the simulator and plug it into the power outlet.*



# STEP 12

1. Place the left and right STANCE MAT SECTIONS on the front edge of the turf.

   *For Technique Personal simulator without Turf see Step 19 for placement of Stance Mat Sections.*

2. Run the Top, Left & Right MICROPHONE CABLES under the turf as shown below. *(Turf on Pro only)*

3. Connect the MICROPHONE by twisting the connections & place in corresponding colored sleeve.

   *AN EXTRA (1) MICROPHONE IS INCLUDED AS A SPARE.*



TOP
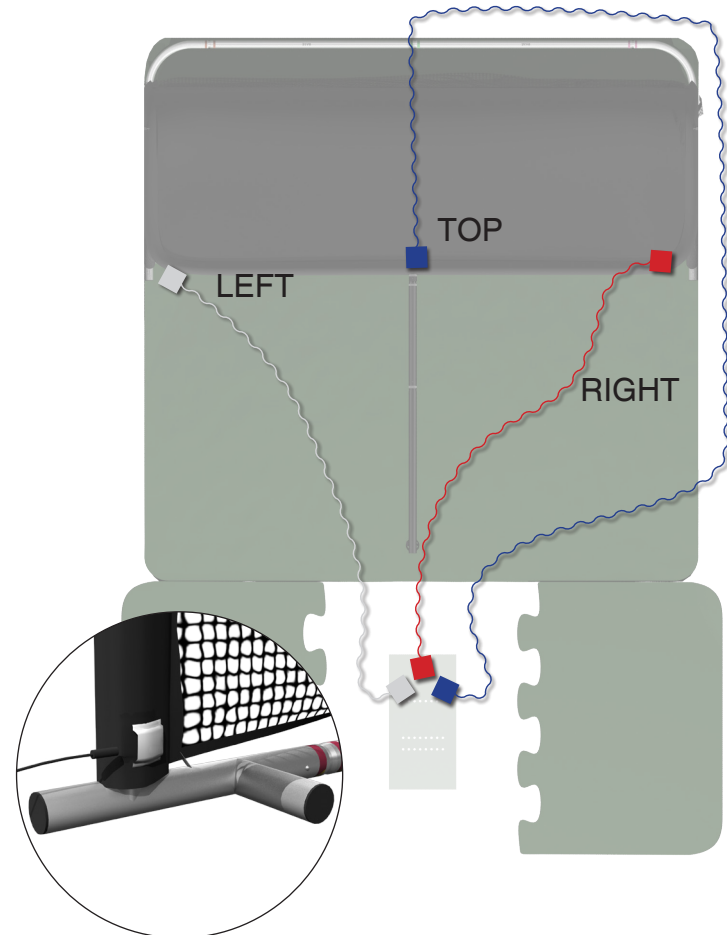
LEFT

RIGHT

# STEP 13 - SIDE NETTING

1. Attach the SIDE NETTING to the INSIDE of the FRAME using the attached Velcro straps.
   - The Red strap attaches to the TOP FRONT RIGHT corner.
   - The Blue strap attaches to the TOP FRONT LEFT corner.
   - The larger Velcro straps wrap around the FRAME and the smaller straps attach to the netting.
2. Connect the green Velcro strips to EACH OTHER, in the middle of the floor.
3. Fill the WEIGHT BAGS with heavy material.
   *Note: DO NOT USE LIQUID*
4. Connect the WEIGHT BAGS to the nets & position so that the nets are tight.
   - There will be excess netting along the floor. This is intentional and facilitates the nets ability to absorb the ball.
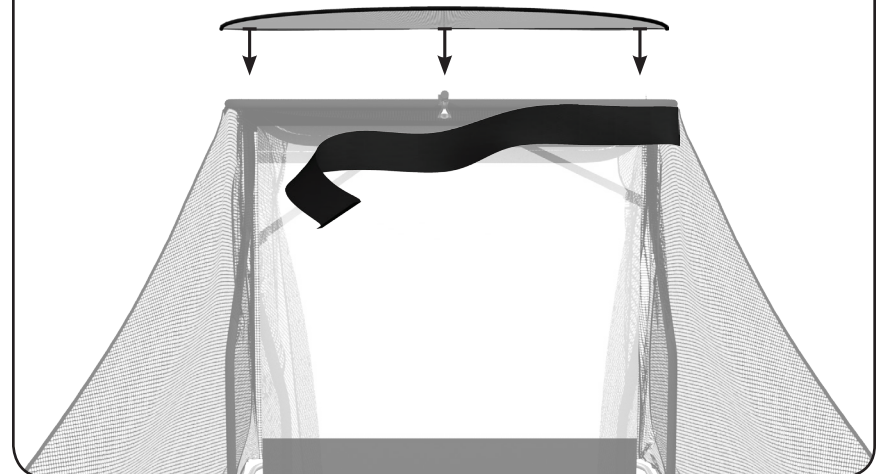5. Place WEIGHT BAGS on the BASE at the rear corners.
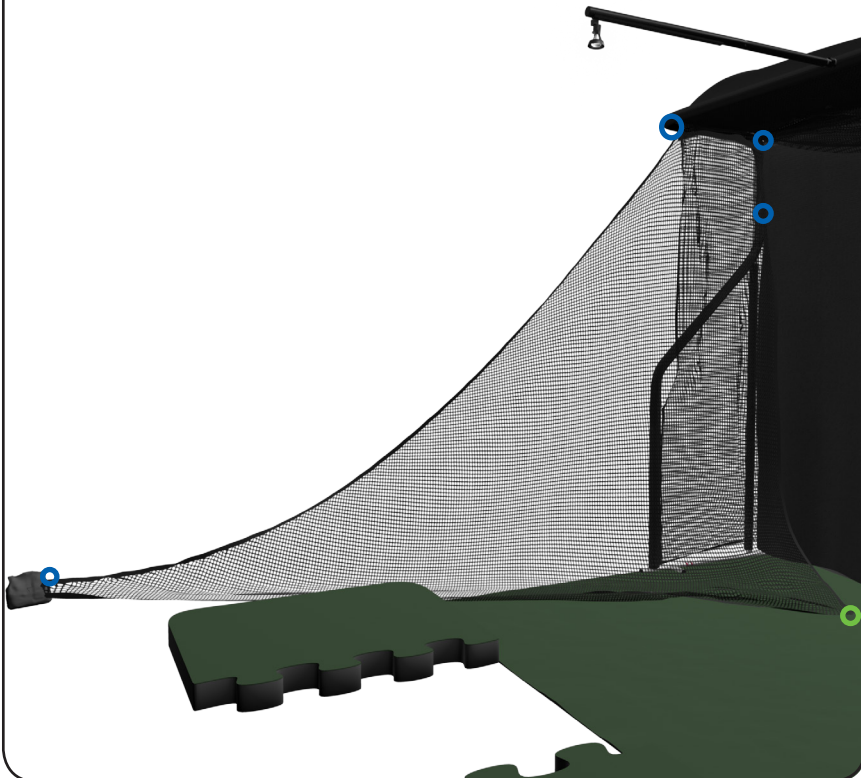
# STEP 14

1. Velcro the HITTING SCREEN to the BLACK SCREEN.
2. Bungee the lower left and right corners of the SCREEN to FRAME.

# STEP 15

1. Velcro the BRIM (TECHNIQUE PRO ONLY) to the FRAME and the LIGHT BAR.
2. Velcro the VALANCE to the FRONT FRAME.

# WIRING DIAGRAM

Overhead Light Power Cable

Top Mic Cable

Right Mic Cable

Left Mic Cable

Projector

FANS

Power Strip

Video Cable to Computer

Serial Cable to Computer

Ground

Power

# STEP 15

**CABLES**
- Run the SERIAL CABLE and the VIDEO CABLE as shown in the *Wiring Diagram (pg 11) & Computer Components Diagram (pg 15-16).*

**TRUTRAC HITTING MAT**
*Minimum 18 inches of slack on all cables connecting to the TruTrac Hitting Mat*
- Connect the Top, Left, and Right MICROPHONE CABLES to the underside of the TruTrac Hitting Mat by twisting the connections to the corresponding connector.
- Connect the SERIAL CABLE, POWER CABLE, and GROUND CABLE to the TruTrac Hitting Mat.

**POWER STRIP**
- Place the Power strip as shown in the *Wiring Diagram (pg 11).*
- Plug the TRUTRAC POWER, GROUND, and PROJECTOR POWER CORD into the Belkin power strip.

**FLOOR**
- Place the CENTER FLOOR SECTION.

**PROJECTOR**
- Position the projector on the center of the hitting area as shown.
- Connect the POWER CABLE and VIDEO CABLE to the projector.

**PROJECTOR COVER**
- Plug the COVER FANS into the POWER STRIP.
- Place the COVER over the projector.
  *See Projector Manual for further instructions & to adjusting projector image.*

  *Note: DO NOT SCRATCH PROJECTOR LENS with projector cover. TruGolf will not replace projectors with scratched lens.*
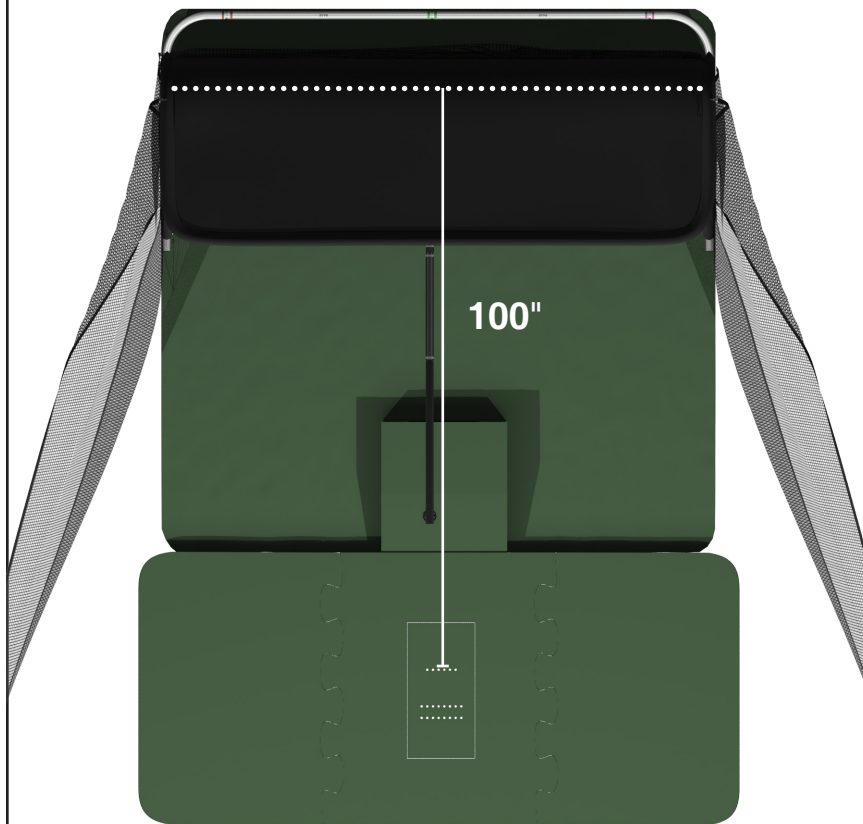
# STEP 19

1.  Place the CLUB HEAD SENSOR MAT in the center opening of the center floor section.

    *Note: Look on bottom of CLUB HEAD SENSOR board for proper installation direction.*

2.  **100 INCHES** is the recommended distance from the SCREEN (white dotted line) to the FRONT ROW OF SENSORS on the CLUB HEAD SENSOR MAT.

3.  Adjust the STANCE MAT to match the above measurements.



**100"**

# STEP 20 - SOFTWARE

If you purchased a computer with your Technique Personal or Technique PRO golf simulator, the E6Golf software has been preloaded onto the computer.

***If you did not purchase a computer you will need to install the software using the supplied discs.***

*Note: See E6GOLF SOFTWARE INSTALLATION below*

Before launching E6Golf / E6Golf Lite insert the GREEN USB SOFTWARE KEY DONGLE into any of the available USB ports on the computer.

**LAUNCH E6GOLF / E6GOLF LITE**

# E6GOLF SOFTWARE INSTALLATION

1.  Insert the **E6GOLF LITE DISC** into the DVD drive.
2.  Follow on screen instructions.
3.  When installation is finished insert the **GREEN USB SOFTWARE KEY DONGLE** into any of the available USB ports on the computer.
4.  **LAUNCH E6GOLF LITE**
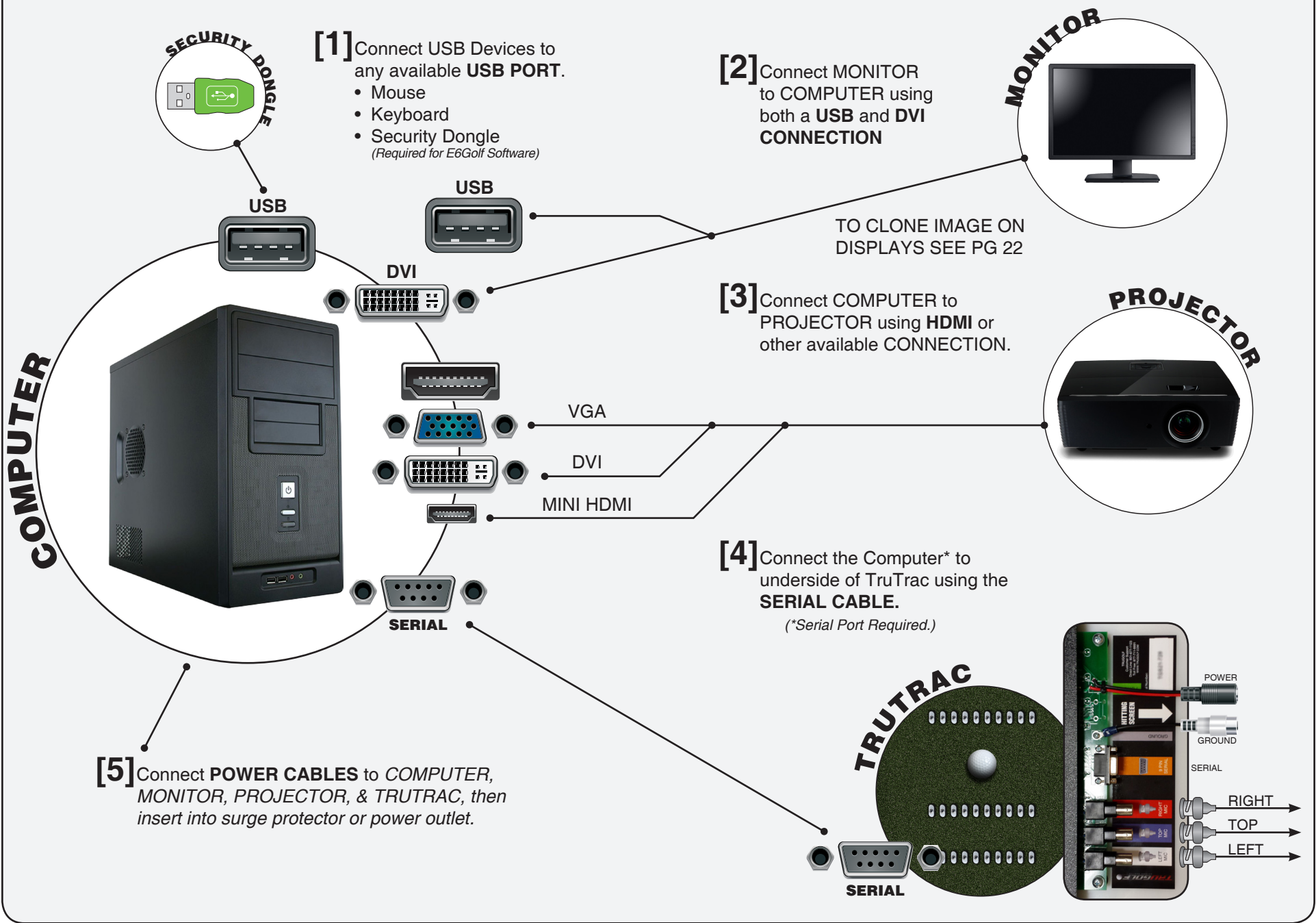
**SYSTEM REQUIREMENTS**

**E6Golf PC System Requirements**

Core2Duo, i3, i5, i7 – 2.0Ghz or faster / 4GB RAM
Windows XP / Windows 7 / Windows 8
25GB free hard drive space
Desktop - nVidia GTX 460 / 1GB RAM or higher
Laptop - nVidia GTX 550 / 1GB RAM or higher
DVD drive
Serial Port Required for TruTrac

**E6Golf Lite PC System Requirements**

Core2Duo, i3, i5, i7 – 2.0Ghz or faster / 2GB RAM
Windows XP / Windows 7 / Windows 8
25GB free hard drive space
ATI or nVidia Graphics Card 256 MB RAM or higher
DVD drive
Serial Port Required for TruTrac

# COMPONENT CONNECTOR DIAGRAM

**SECURITY DONGLE**

**[1]** Connect USB Devices to any available **USB PORT**.
- Mouse
- Keyboard
- Security Dongle
*(Required for E6Golf Software)*

**[2]** Connect MONITOR to COMPUTER using both a **USB** and **DVI CONNECTION**

**MONITOR**

**USB**

**USB**

TO CLONE IMAGE ON DISPLAYS SEE PG 22

**DVI**

**[3]** Connect COMPUTER to PROJECTOR using **HDMI** or other available CONNECTION.

**PROJECTOR**

VGA

DVI

MINI HDMI

**COMPUTER**

**[4]** Connect the Computer* to underside of TruTrac using the **SERIAL CABLE.**
*(\*Serial Port Required.)*

**SERIAL**

**TRUTRAC**

POWER

GROUND

SERIAL

RIGHT

TOP

LEFT

**[5]** Connect **POWER CABLES** to *COMPUTER, MONITOR, PROJECTOR, & TRUTRAC, then insert into surge protector or power outlet.*

**SERIAL**

# OVERHEAD LIGHT INSTRUCTIONS

### INSTALLATION
1. Push the top portion of the head adapter into the slot of the track section.
2. Pull down the adapter's locking tab.
3. Turn "Ground Indicator" tab towards the ground groove on track to align ground tab with ground conductor.
4. Adapter can move to any position along the track section. Lighting fixture will adjust to any position.

### REMOVAL
1. Pull down the adapter's locking tab.
2. At the same time, rotate the adapter 90 degrees and remove from track.



TRACK

GROUND INDICATOR          GROUND GROOVE
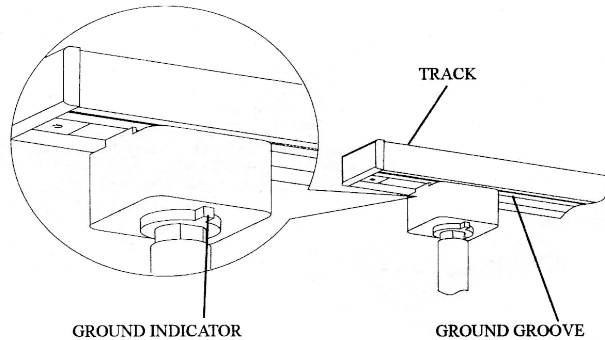
**CAUTION:** *Refer to the re-lamping label located on the fixture for recommended maximum wattage.* Adapter is designed to lock into the track section by turning adapter in one direction only. Turn the "ground indicator" tab towards the "ground groove" on the track to align the ground tab with the ground conductor inside the track.

### INSTALLING NEW BULB OR RE-LAMPING
1. Turning the power off. Make sure that the bulb is cool before re-lamping the fixture.
2. Remove the head from the track. The track head sleeve must be pulled down then twist 1/4 turn.
3. Twist to remove bulb from the socket, replace with new bulb.
4. Replace the track head onto the track. Pull down the locking sleeve and reverse the 1/4 turn.

*OVERHEAD LIGHT MUST ME POSITIONED TO LIGHT THE 3 ROWS OF SENSORS ON THE HITTING MAT.*

*Overhead light must be on while playing.*

# BALL PLACEMENT: FULL SHOTS
DRIVER, WOODS, HYBRIDS & IRONS



Place the ball on a tee between the FRONT and MIDDLE row of sensor holes closest to the screen. As your club passes over the sensors on its way to make contact with the ball, critical information is gathered helping determine the speed, path, and face angle of the club.

> *TEES - Rubber tees should be used just as one would use them in outdoor golf. The use of tees does not change ball placement specifications.*

# BALL PLACEMENT: PUTTING



For a putt, place the ball BEHIND the back row of sensor holes (3-4"), and then follow through to hit the putt. The speed and direction of PUTTS are determined exclusively by the movement of the ball over the THREE ROWS of sensor holes.

# DIAGNOSTICS

E6Golf has built in DIAGNOSTICS to help troubleshoot the TruTrac tracking system. DIAGNOSTICS will automatically run if there is a problem when you launch E6Golf, Exit Practice or a Round to return to the Main Menu.

*Note: You can also access the DIAGNOSTICS from the Main Menu > Options or In-game by selecting the E6 icon, then select the DIAGNOSTICS option.*

There are several possibilities that may cause the DIAGNOSTICS to run.
1. Overhead light is off.
2. One or more Optical Sensors are covered.
3. Overhead light is turned on, but the beam is not focused within the yellow dashed lines as shown below.
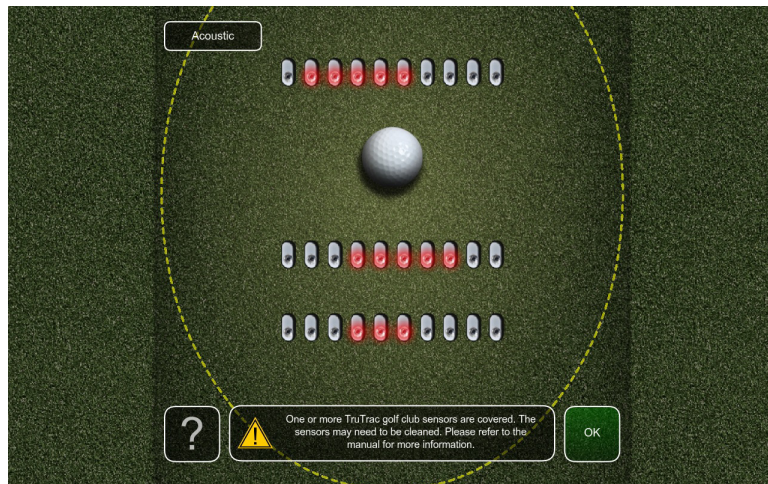


## OPTICAL SENSORS

Blocked or covered sensors are indicated in red.

Keep the sensor holes clear of any debris or overhanging grass turf that would block their view of the spotlight. If sensors are blocked, follow these steps

1. Trim any overhanging grass with a pair of scissors
2. Vacuum an debris or grass trimmings from the holes

Club Head Sensors are working correctly, if you move a golf club just above a row of sensors, the sensors should change to red corresponding to the position of the club over the associated sensors.

To access the ACOUSTIC DIAGNOSTICS select the ACOUSTIC button at the top of the screen or click OK to return to E6Golf.

## ACOUSTIC

ACOUSTICS DIAGNOSTICS allows you to test and verify connections of the three acoustic ball impact sensors. One is located in the top center of the frame and the other two are located near the floor on the right and left sides of the frame *(refer to pg 15)*. Each of the bars correspond to an acoustic ball sensor of their same color.
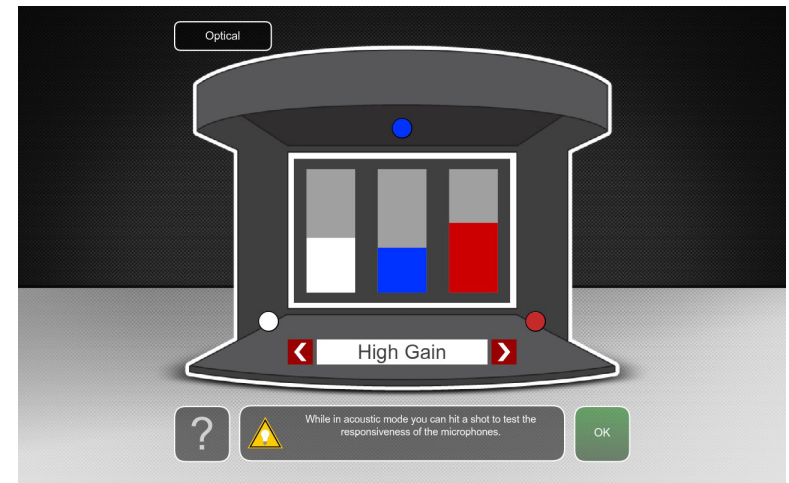


Tap each sensor and verify that the corresponding color bar responds. If incorrect, connect the correct mic cables to TruTrac. Do this until all sensors are connected correctly.

If any of the indicator bars do not respond when the ball is hit or tapped, this could indicated one or more of the follow:

1. Microphone is not connected to the cable.
2. Cable is not connected to TruTrac (see pg 11).
3. Microphone is covered.
4. Microphone or cable is defective.

If one or more sensors is nonresponsive replace microphones with the extras that were sent with the simulator. Tap sensors to verify that the related indicated bar is reacting, if not or to order addition mics contact TruGolf Customer Support.

To access the OPTICAL DIAGNOSTICS select the OPTICAL button at the top of the screen or click OK to return to E6Golf.

# TROUBLESHOOTING

## ERROR MESSAGE

*"No TruTrac system was found. Please make sure the system is plugged in and restart E6Golf."* Do the following:

1. Check all connections on TruTrac Hitting Mat.
2. Check that the TruTrac Power and Ground Cables are plugged in.
3. Check that the Power Strip is plugged in and turned on

## SHOTS ARE NOT REGISTERING WHEN I HIT

1. Make sure the overhead spot light is turned on and the beam is focused on the 3 rows of sensors.
2. When chipping or putting be sure your head or body doesn't cast a shadow over the sensors, this will cause the sensors not to see the club head or ball pass over, resulting in no shot data being sent to E6Golf.
3. Make sure your club head is passing over each row of sensors as the club hits the ball. If the club head misses passing over the first or last row of sensors no shot will be detected.
4. Solid golf shots hit directly into the golf image screen are best detected by the tracking system. Shots hit into the netting above or to the side of the booth will not be detected.

## STATIC

Static electricity affects the TruTrac sensor system's ability to detect your shot. Static issues often present themselves through blinking club sensors or ball impact sensors in E6Golf's DIAGNOSTICS feature.

Run DIAGNOSTICS (see pg 19). Static may be the issue if you have one or more of the following indicators:

1. Optical sensors are flashing, and nothing is blocking the overhead light from shining on them

2. Acoustic sensors are flashing and there is no noise or vibration happening to/around the ball sensors

Static electricity is increased in low humidity. Environments using high levels of heating, air-conditioning, or those with a lot of insulation can have low humidity.

Reduce Static by trying the following:

1. Using a humidifier
2. Avoid installing on varnished or epoxy finished floors
3. Unplug sensors overnight for static to dissipate out
4. Use Industrial Grade Static Spray

TruGolf supplies Industrial Grade Static Spray for use with high static environments. Spray 3-4 feet above the club and ball sensors, as well as the Technique enclosure. Spray should be applied after vacuuming the club surface area. Spraying daily may be necessary.
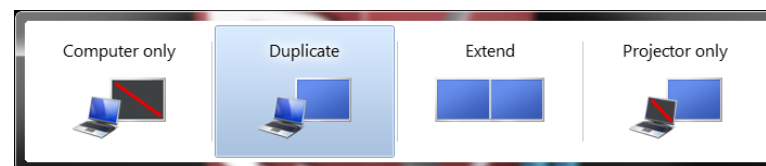
# CLONE  DISPLAYS

There are two methods to set up multiple monitors in Windows 7. Make sure that you connect the external monitors to your laptop or your desktop computer first.

**METHOD 1:** (*Works with Windows 8.*)
1. Press the **Windows logo key + P** on your keyboard.

2. Select the **DUPLICATE** option

**METHOD 2:**
1. **Right-click** any empty area of your desktop, and then click **Screen resolution**.

2. Click the Multiple displays drop-down list, and then select **Duplucate these displays**.

*Note: If you cannot see the additional monitor(s) listed, click Detect. If does not work, try restarting your computer and do step 1 to 2 again.*

**TRUGOLF**
DRIVING REALITY
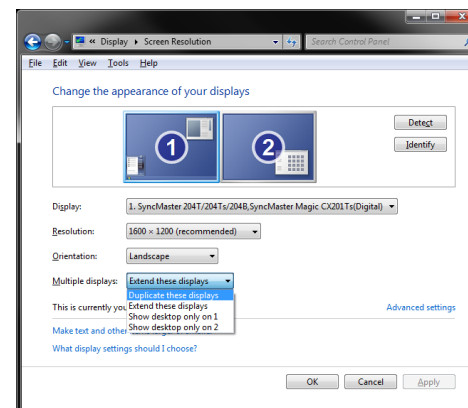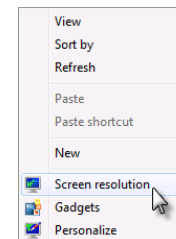
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