



GOLF SIMULATOR ENCLOSURE – ASSEMBLY MANUAL

# BIRDIE 10

## ASSEMBLY MANUAL

**3 × 2.5 × 1.5 Mtr**

Frame + Screen + Impact Netting

Complete step-by-step instructions for frame assembly, screen mounting, and final setup. Read fully before beginning installation.



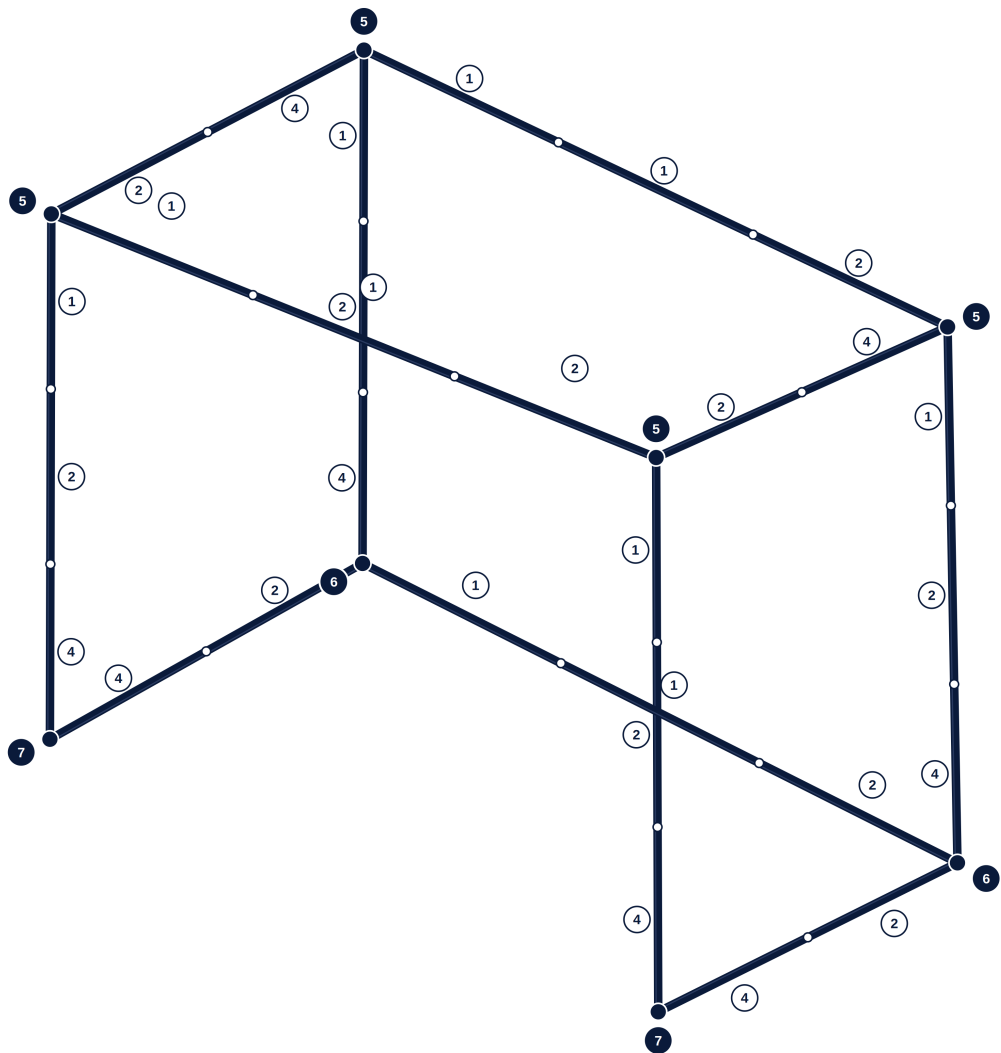
# FRAME ASSEMBLY DIAGRAM

## BIRDIE 10

3 × 2.5 × 1.5 Mtr

- 1  Ø32MM × 102CM – 10 PCS  
Main frame pole
- 2  Ø32MM × 102CM – 11 PCS  
Main frame pole
- 4  Ø32MM × 48CM – 8 PCS  
Base connector pole
- 5  TOP CONNECTOR – 4 PCS  
3-way top joint
- 6  BACK BOTTOM CONNECTOR – 2 PCS  
3-way base joint
- 7  FRONT BOTTOM CONNECTOR – 2 PCS  
Corner elbow joint

- 8  ANTI-COLLISION SLEEVE, 1M – 3 PCS  
Foam pole protector
- 9  SCREEN FIXING BUCKLE – 30 PCS  
Top & sidewall screen clips
- 10  SCREEN FIXING BUCKLE – 10 PCS  
Bottom screen clips
- 11  FIXED STRAP – 12 PCS  
Anti-collision sleeve retainer



# Golf Simulator Enclosure Assembly Guide



Thanks for choosing Elite Sim Golf for your simulator build. This guide walks you through assembling your enclosure step by step — from bare room to ready-to-play.

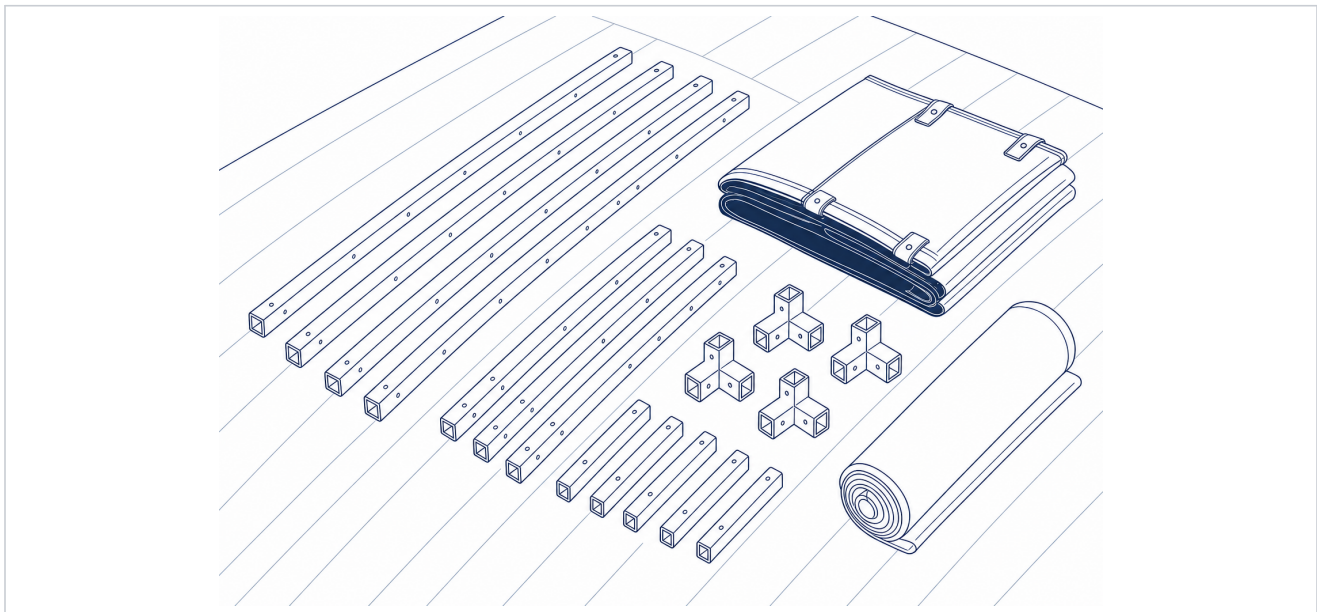
## ASSEMBLY TIME

45–90 minutes with 2 people

## TOOLS REQUIRED

None for the frame (your projector mount may require basic tools)

## 1. Before You Begin



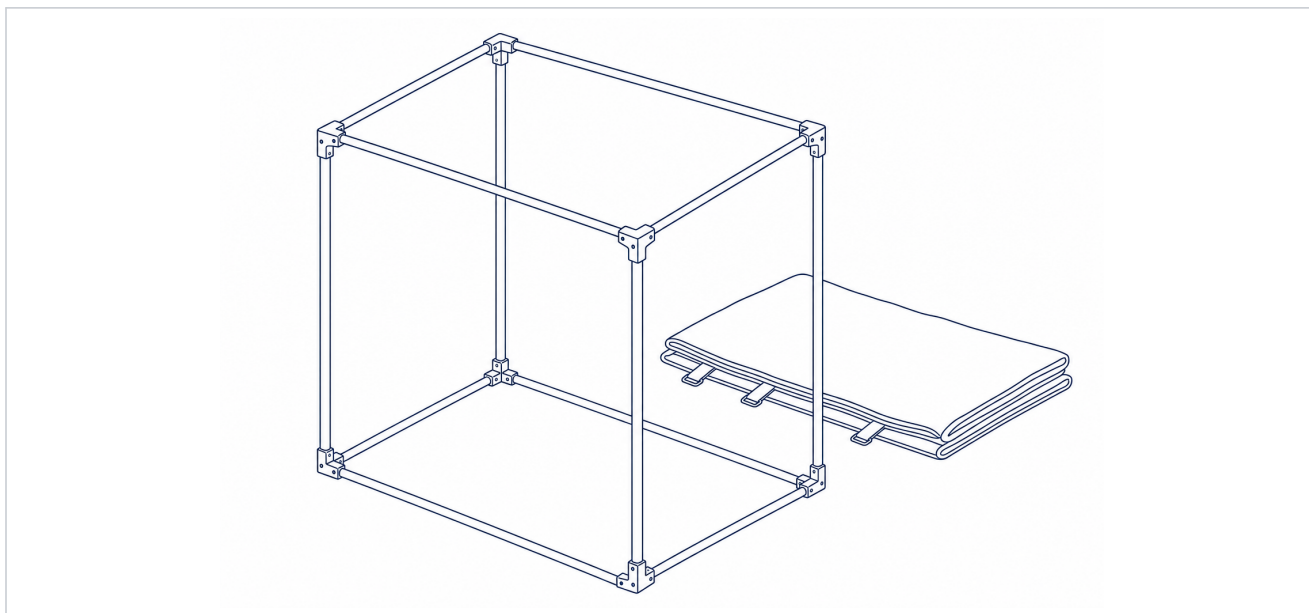
Lay out and sort all frame poles, connectors, the fabric shell, screen, and bungees before you begin.

- 1 Clear the room. Remove furniture and obstacles from the area where the enclosure will sit.
- 2 Leave buffer space. Leave at least 1 ft (30 cm) of clearance behind where the impact screen will hang, and a minimum of 3 in (8 cm) on each side of the enclosure.
- 3 Clean the floor. Sweep or vacuum the space so the fabric shell stays clean and snag-free during setup.
- 4 Verify ceiling height. Check your enclosure's listed height against your actual ceiling height so the frame can stand upright without scraping.
- 5 Unbox all components. Open every box before starting so nothing gets missed.

- 6 Identify your parts. You should have: powder-coated steel frame poles (multiple lengths), base corner/angle connectors, one single-piece fabric shell (canopy/wrapper) with two sewn-in sleeves, the impact screen, and ball bungees.
- 7 Sort the poles by length and lay them out roughly where they'll go (base, uprights, top).
- 8 Check quantities against your packing list before you begin assembly.
- 9 Take a reference photo. Snap a photo of all parts laid out before you start — if you ever break down and rebuild your simulator, this makes reassembly much faster.

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## 2. Build the Base Frame



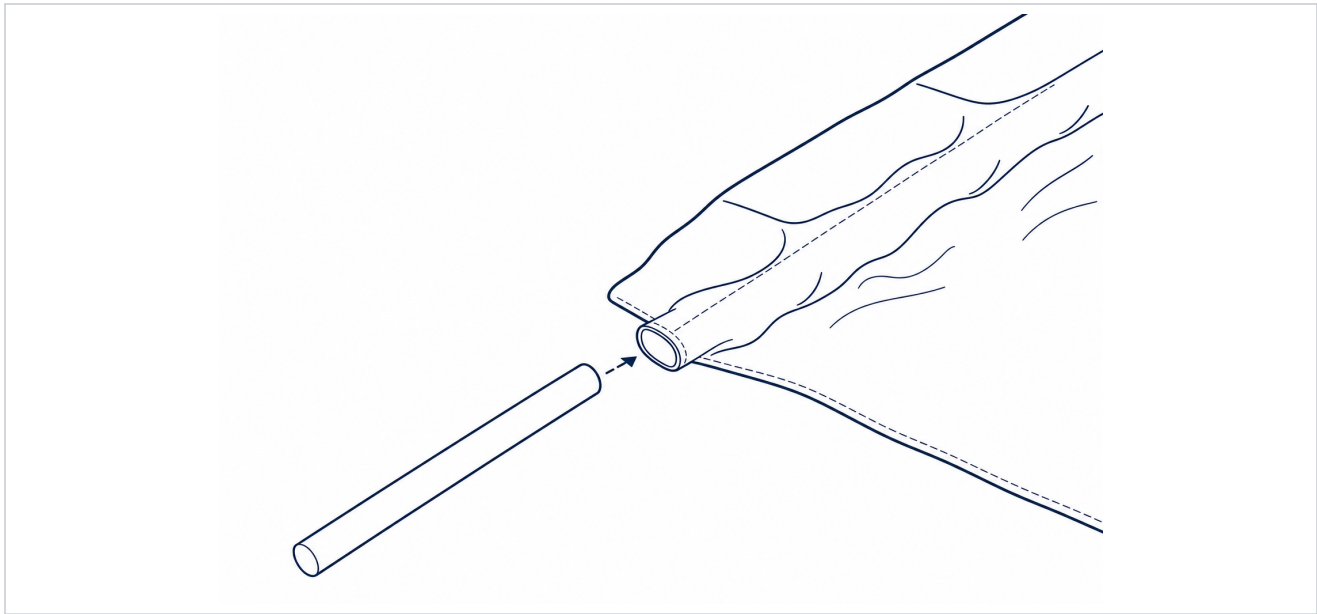
Build the base rectangle and add the uprights before fitting the shell in the next step.

- 1 Lay out the base poles on the floor in the shape of your enclosure's footprint (a rectangle).
- 2 Position the base corner/angle connectors at each corner, with the upward-facing socket pointing up.
- 3 Connect the base poles to the corner connectors, pushing each joint together firmly until fully seated.
- 4 Check the footprint. Confirm the base looks square. For precision, measure the diagonals corner-to-corner — they should be close to equal.
- 5 Add the uprights. Insert a vertical pole into each corner connector so the frame starts to stand up.

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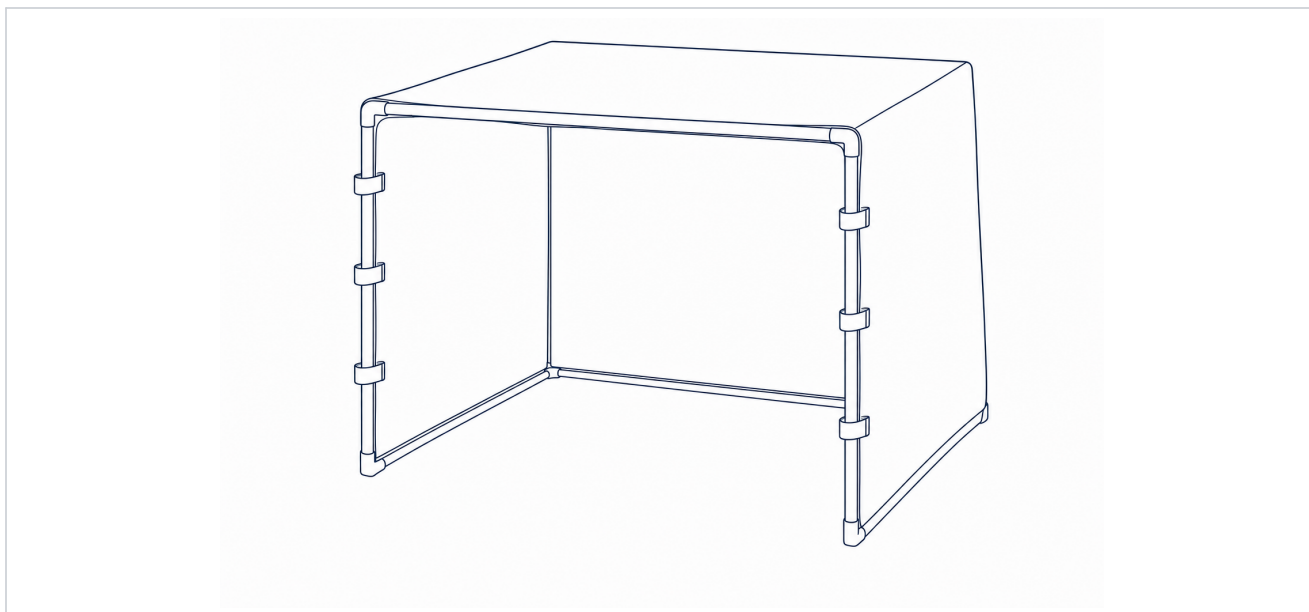
## 3. Fit the Fabric Shell to the Top Frame

Your enclosure's shell is a single continuous piece with two sewn-in fabric sleeves (channels) that the top frame poles must slide through. This has to happen during upper-frame assembly, not after — read through all the steps below before you start.



Slide each top pole through its sewn-in fabric sleeve before connecting it to the uprights.

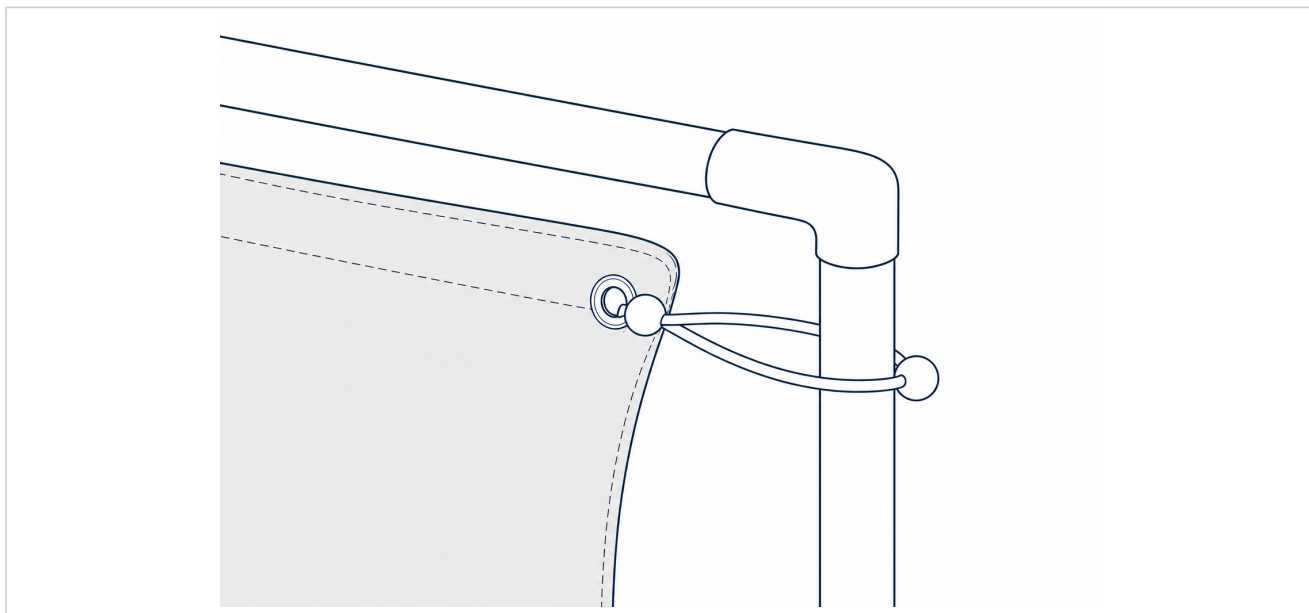
- 1** Locate the two fabric sleeves sewn into the shell.
- 2** Check fabric orientation. The shell has a velvet (soft) side and an outer side.
- 3** Confirm the velvet side will face inward, toward the hitting area, before you slide any poles through the sleeves — the shell is much harder to flip once it's installed on the frame.
- 4** Slide the first top pole through its sleeve, keeping the shell centered on the pole.
- 5** Slide the second top pole through its sleeve the same way.
- 6** Connect the first top pole to the uprights, seating the joint fully.
- 7** Connect the second top pole to the uprights, completing the top frame. The shell is now suspended in place, velvet side in.
- 8** Attach any remaining top connectors or supports called for by your enclosure size.
- 9** Let the shell drape down over the sides and front/back of the frame, keeping it centered so an equal amount hangs on each side.
- 10** Secure the shell with hook-and-loop (Velcro) straps, starting at the front and working toward the rear.
- 11** Pull each strap snug and even — not maxed out — so the fabric sits smooth without excess slack.
- 12** Check the full frame. Confirm it stands upright and square, with the shell sitting smooth and no gaps between the fabric and the frame poles. The front face (where the screen mounts) matters most — a little twist elsewhere is not a problem, especially if your floor isn't perfectly level.



Secure the shell to the frame poles with the built-in hook-and-loop straps, working front to rear.

## 4. Mount the Impact Screen

The impact screen mounts directly to the frame with ball bungees, and the shell's Velcro flaps then fold over to hide the frame and bungees completely — creating a seamless transition from shell to screen with no visible hardware or gaps.



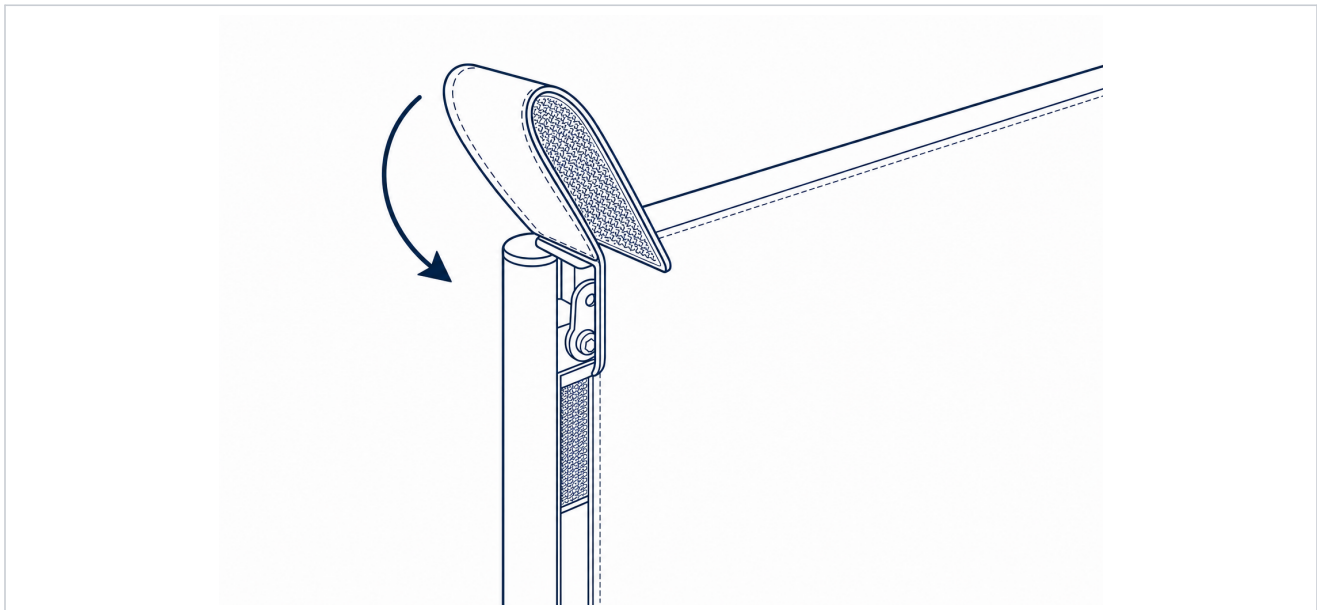
Loop each ball bungee through a screen grommet and hook it around the frame pole.

- 1 Lay the screen out flat in front of the frame.
- 2 Orient the screen. Confirm the correct side (usually smoother and projection-friendly) will face the hitting area.

- 3 Attach the first corner. Loop a ball bungee through the corner grommet and hook it around the frame pole.
- 4 Work across the top edge, attaching a ball bungee at each grommet.
- 5 Work down one side, attaching ball bungees top to bottom.
- 6 Work down the other side the same way.
- 7 Secure the bottom edge with the remaining ball bungees.
- 8 Even out the tension on all sides — snug but not maxed out, so the screen can “catch” the ball and absorb impact.
- 9 Fold over the top Velcro flap, pressing it firmly to hide the frame and bungees along the top edge.
- 10 Fold over each side Velcro flap, pressing firmly along both sides.
- 11 Check the finish. From the hitting position, confirm the screen and shell look like one continuous surface with no visible bungees, frame, or gaps at the seams.

**TIP**

If you're planning 4K projection, spend an extra minute smoothing any waves or creases in the center of the screen — that's your main impact zone and where a flat, clean surface matters most.



Fold the shell's Velcro flap over the screen edge to hide the frame and bungees underneath.

## 5. Tensioning & Fine-Tuning

- 1 Stand on the hitting position and look directly at the screen.
- 2 Check for ripples vs. folds. Light ripples are normal; large folds or sagging in the center are not.
- 3 Fix sagging. If the center sags, tighten the nearby ball bungees slightly or move them closer together.
- 4 Fix creasing. If a hard crease forms, loosen one or two nearby ball bungees rather than tightening others further.

- 5 Re-check the seams. Confirm the shell-to-screen transition has no visible gaps where a ball could reach the frame or wall behind it.

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## 6. Safety Check & First Shots

- 1 Test frame stability. Gently push the frame from the sides and front — it should move as one unit, not wobble.
- 2 Add stabilizers if needed. Use floor weights, anti-slip pads, or wall anchors if your space calls for it.
- 3 Position the hitting mat, centered on the screen.
- 4 Set mat distance according to your launch monitor's recommendation.
- 5 Test with a short club first. Hit a few half-speed wedge or short-iron shots and watch how the screen reacts.
- 6 Check for excess bounce-back. If the ball rockets back, loosen the screen slightly or move the mat farther away.
- 7 Check for drift toward the frame. If shots drift toward the edges, reposition the mat or nudge the screen/shell alignment so your typical shot pattern lands center.

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## 7. Projector & Launch Monitor Setup

- 1 Mount your projector at the throw distance and offset recommended for your specific model.
- 2 Adjust zoom, focus, and keystone so the image fills the usable screen area without spilling onto the borders.
- 3 Install your launch monitor according to its manual — floor-mounted, ceiling-mounted, or behind the player.
- 4 Complete calibration or any required club/ball setup before hitting full-speed shots.

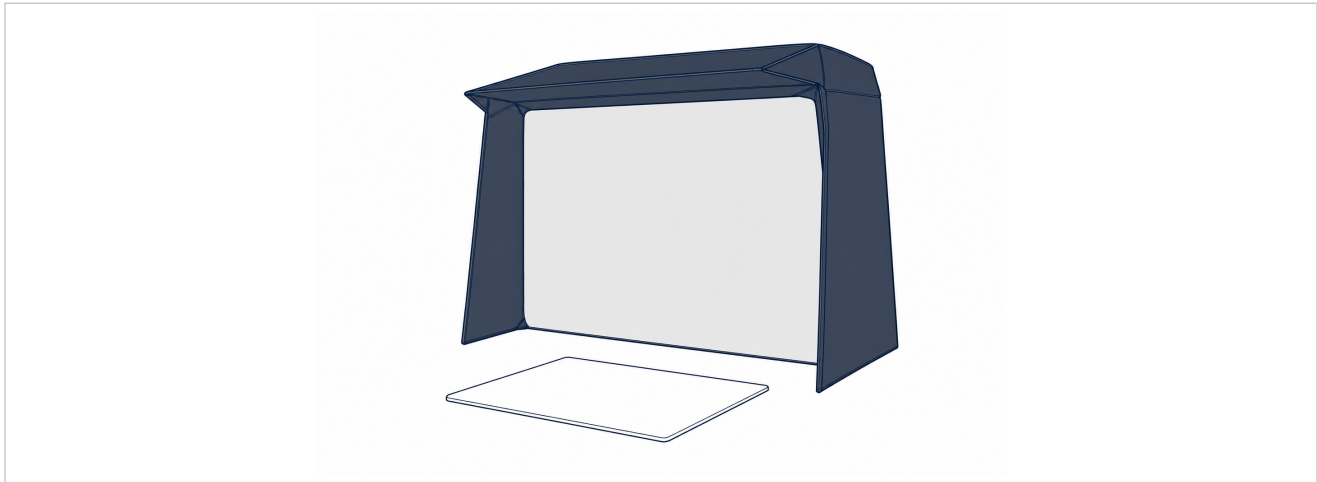
### TIP

Not sure about placement? Reach out to Elite Sim Golf — we help customers dial in projector and launch monitor layouts for their exact space every day.

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## 8. Care & Maintenance

- 1 Dust the impact screen with a soft brush or microfiber cloth as needed.
- 2 Spot clean gently with a mild soap and water solution if needed — avoid harsh chemicals that could affect image quality.
- 3 Check the fabric shell periodically for dust buildup.
- 4 Confirm hook-and-loop straps haven't loosened.
- 5 Confirm Velcro flaps still fully cover the frame and bungees.
- 6 Inspect ball bungees every few weeks for overstretching or wear.
- 7 Confirm all frame connections remain fully seated.



Your finished enclosure — shell and screen blended into one seamless hitting surface.

**Questions? Contact Elite Sim Golf support — we're happy to help you get dialed in.**

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