

# Bushnell® GOLF

## LAUNCHPRO*i*



To get started, scan the QR code or go to [www.bushnellgolf.com/lpi-start](http://www.bushnellgolf.com/lpi-start) and follow the steps provided.

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# GOOD THINGS REALLY DO COME IN THREES

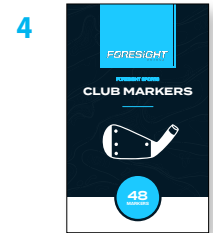
The Launch Pro i is the Game Changer you've been holding out for. Industry-leading performance insight and true-to-life simulation come together in our most approachable offering yet. Thanks to the advanced photometric technology inside, the Launch Pro i remain accurate and reliable both on the range and in your home simulator. Combine it with our FSX performance and gaming suite and enjoy hundreds of world-class courses, skill-building games, and global leagues and competitions. This user manual will help you better understand the proper setup, activating your subscription, operation, and care of your Launch Pro i.

## WHAT'S IN THE BOX:

1. Launch Pro i Monitor
2. Power Cord/A/C Power Adapter
3. USB-C Cable
4. 48pc Club Marker Pack
5. Alignment Stick
6. Ethernet Cable

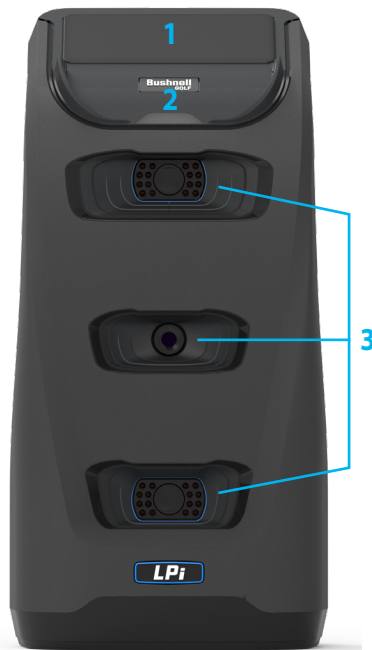


\*Actual product not depicted

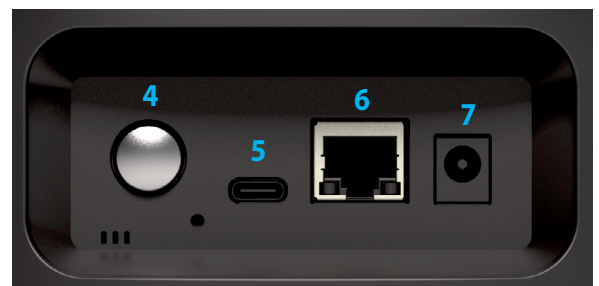


## LAUNCH PRO i MONITOR:

1. Non-Slip Phone Pad
2. Indicator Light
3. 3 High Speed Cameras
4. Power Button
5. USB-C
6. Ethernet Port
7. Power Input



*Back of Monitor*



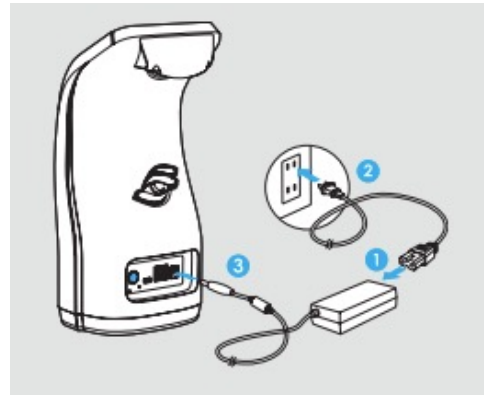
# GETTING STARTED

## PLUGGING IN & POWERING ON

Launch Pro i indoor launch monitor must be connected to power and software to activate your subscription and enjoy.

### CONNECTING THE LAUNCH PRO i MONITOR:

1. Connect the Power Cord into the A/C Power Adapter
2. Plug the end of the A/C Power Adapter into the Launch Pro i
3. Plug the end of the Power Cord into an electric plug



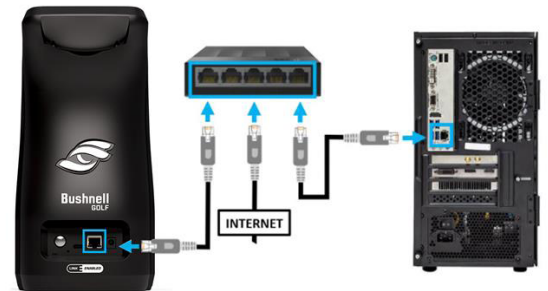
### POWERING ON AND CONNECTING TO THE INTERNET

- To power on the Launch Pro i, press the power button. The Launch Pro i Indicator light will illuminate.
- Connect the Launch Pro i to a computer or Foresight App.

#### There are two ways to accomplish this:

1. Wi-Fi: To connect with Wi-Fi, use the Foresight App to choose your network, then enter the password.
2. Wired Ethernet Cable: Alternatively, you can connect to a PC via an Ethernet cable by connecting to your local router or switch.
3. The device can take up to 45 seconds to boot the radio (WiFi and Bluetooth broadcast). Wait the full 45 seconds before trying to connect or reboot.

**Note: To use all the functions of the Launch Pro i, it requires a subscription and must connect to the internet. If your subscription has lapsed, the Launch Pro i will no longer connect with any supporting apps or software. It will be necessary for you to connect to the internet and go to [live.foresightsports.com](http://live.foresightsports.com) to restore all functions.**



### LAUNCH PRO i CONNECTION TYPES & RELATED APPLICATIONS

The Launch Pro i device allows the following connection types. Each Connection type will be applicable or restricted based upon the type of application being used.

Launch Pro i Connection Type	Enabled Applications
Wireless Network (WiFi)	Direct Internet Connection (Firmware Update/Device Validation), FSX, FSX PRO iPad, FSX PRO STUDIO (PC), Performance Fitting App, Foresight Fairgrounds, FSX PLAY
Wired Network Cable (Ethernet/Cat Cable)	Direct Internet Connection (Firmware Update/Device Validation), FSX, FSX PRO STUDIO (PC), Foresight Fairgrounds, FSX PLAY
USB-C Cable	FSX, FSX PRO STUDIO (PC), Foresight Fairgrounds, FSX PLAY
Bluetooth/BLE	Foresight App







## REGISTER THE LAUNCH PRO i & ACTIVATE SUBSCRIPTION

To begin using your Launch Pro i, you must first register the device and apply a subscription to the device.

To get started with this process, scan the QR code to download the Foresight App and follow the registration link on the device's tab.



## STATUS LIGHT SETTING

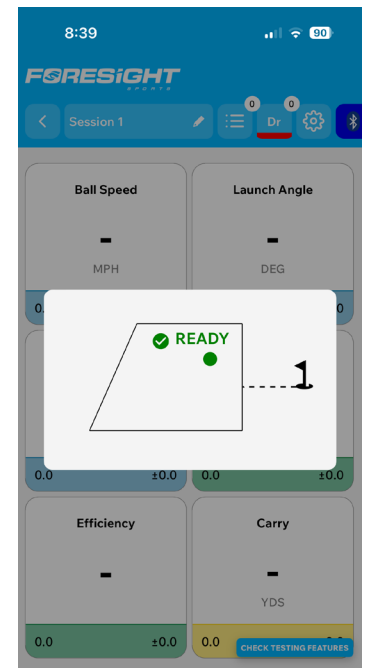
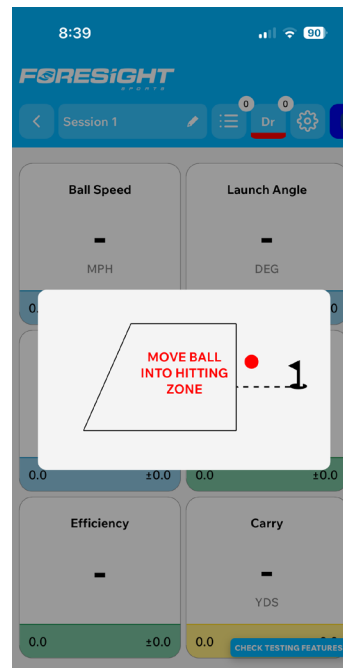
Launch Pro i State	Status Color Bar	Status Light Behavior
Booting Up	Yellow 	Steady
Looking For Ball	Blue 	Blinking
Ready To Hit	Blue 	Steady
Looking For Ball (Club Enabled)	Green 	Blinking
Ready To Hit (Club Enabled)	Green 	Steady
Error	Red 	Steady



## BALL PLACEMENT & HITTING

### LET'S SEE WHAT YOUR LAUNCH PRO i CAN DO!

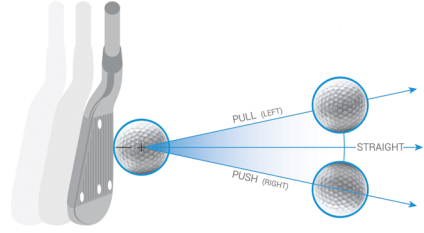
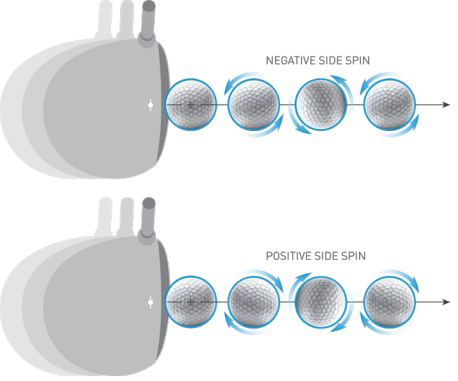
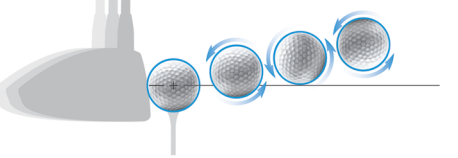
- To use your Launch Pro i place it 16" to 24" away from the hitting zone. If you are using a hitting mat, make sure the Launch Pro i is raised to the same level as the hitting surface.
- Place the ball on the ground in front of your Launch Pro i. If the ball is outside the hitting zone, you will see the status light blinking indicating the device is looking for the ball and will display "Move Ball into the Hitting Zone". Use the software Ball Find Assistant to get the ball into the hitting zone.
- Software will indicate "Multiple Balls Detected" if multiple balls are in the hitting zone.
- Once the ball is in the hitting zone, the Launch Pro i status light will become steady and the software will display "Ready".



## START HITTING BALLS!

When hitting the ball, the Launch Pro i will track your ball speed, ball launch angle, ball pushes/pulls, ball spin, ball carry, club speed, club attack angle, club path, and efficiency.

## BALL TRACKING DATA

<b>BALL SPEED</b>	The measurement of ball speed just after impact. Ball speed is the main component in generating distance.	
<b>LAUNCH ANGLE</b>	The initial vertical angle of ascent relative to the ground measured in degrees. The launch angle, combined with ball spin and speed, determines the ball carry and total distance.	
<b>PUSH/PULL</b>	In right-handed mode, Push is when the horizontal direction of the ball is greater than or equal to zero. Pull is the opposite; the ball moves towards the hitter.	
<b>CARRY</b>	Total distance of ball flight.	
<b>SIDE SPIN</b>	The degree of sideways (horizontal) spin. A component of total spin that defines ball curvature or shot shape. The more side spin, the greater the ball curvature.	
<b>BACK SPIN</b>	The backwards rotation of the ball. A component of total spin that defines ball lift and trajectory. The more backspin, the greater the ball height.	

## CLUB TRACKING

### TRACK YOUR CLUB FACE FOR MORE DATA

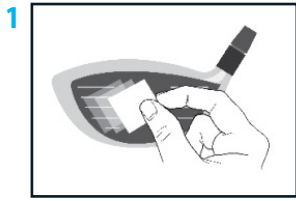
To turn on or off Club Tracking mode, go to the Device Connections page in the Foresight App or software menus.

#### **Status Light Colors:**

- Blue: Indicates that the device is in Ball Mode
- Green: Indicates that the device is in Club & Ball Tracking Mode

## APPLYING A CLUB MARKER

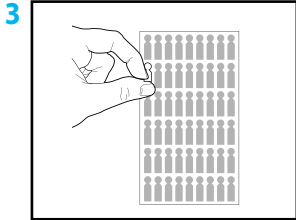
The Launch Pro i is capable of tracking both ball and club. While nothing is required on the ball to track launch, the club metrics require the application of a club marker. Club markers are included with the Launch Pro i; follow the directions to apply the club marker to your club.



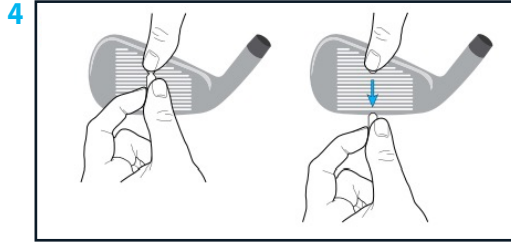
1 Clean the clubface with an alcohol pad or water.



2 Place a club marker at the location, shown above, on the clubface adhesive side down.

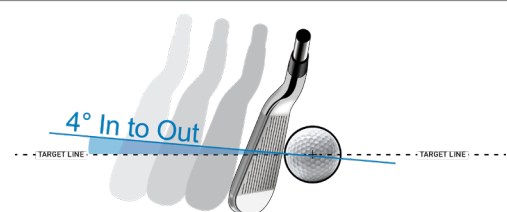
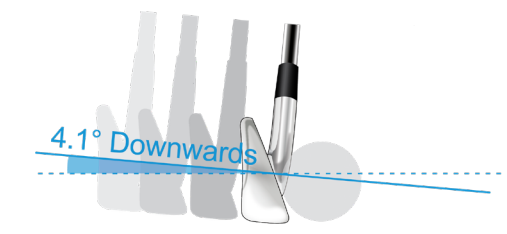


3 Peel marker from sheet.



4 Firmly apply pressure to the club marker with your finger and gently pull the tab away, leaving only the club marker on the clubface.

## CLUB TRACKING DATA

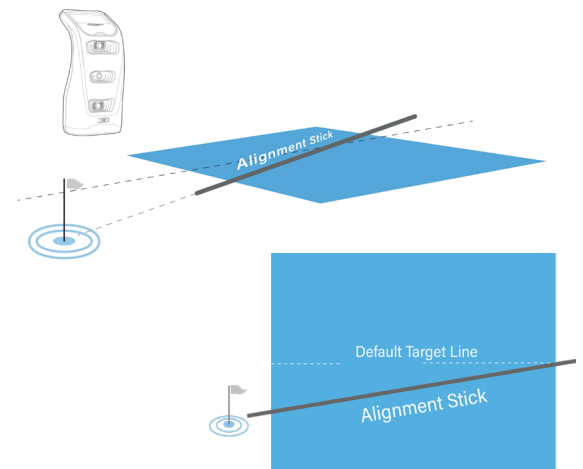
<b>CLUB SPEED</b>	The speed the club is traveling just prior to impact. A higher speed means greater potential distance.	
<b>PATH IN/PATH OUT</b>	The direction the club head is moving at impact. A "0" path is a straight shot. A negative path means the ball moves "out to in" and a positive path means the ball moves "in to out".	
<b>ANGLE OF ATTACK</b>	The vertical angle of the club head at impact. A positive number is hitting up on the ball and a negative number is hitting down on the ball.	
<b>EFFICIENCY</b>	Efficiency, also known as Smash Factor, is the ratio between the club head and the golf ball velocities.	

## USING TARGET ALIGNMENT

To activate target alignment, lay the provided alignment stick through the hit zone and point it at the target. The Launch Pro i will acknowledge the new alignment with an audible indication and display the yellow light on the status indicator.

### Using the Alignment Stick:

- The FSS Alignment Stick can adjust target alignment on the Launch Pro i by up to 10 degrees.
- To adjust alignment, place the stick in the Launch Pro i hitting zone and align it to your target. Once aligned, step away from the device to allow for calibration.
- When the new target alignment is accepted, the Launch Pro i will show a yellow status light and the unit will give an audible tone.
- Alignment is always reset when the unit is powered off.



## STORAGE & MAINTENANCE

How to store the Launch Pro i:

Before storing the Launch Pro i, make sure the device is powered off. Store the Launch Pro i in a cool, dry environment in its original foam-lined packaging or in a specially designed carrying case to prevent damage.

Cleaning the Launch Pro i:

To remove dirt, wipe the device with a damp cloth and gently clean the lenses with a dry microfiber cloth to avoid scratching. You may also use an air can or compressed air to gently blow off loose debris.

## TROUBLESHOOTING

Never disassemble your Launch Pro i. Irreparable damage can result from unauthorized service attempts, voiding the warranty.

### ***If the device is not getting ball lock:***

- Ensure the ball is between 16-24" away from the device.
- Ensure the device is set for the correct handedness (Left or Right).
- Ensure the ball is at the same surface height as the device.
- Ensure other balls, alignment stick, etc. are away from the hit zone.

### ***If the device is not tracking the ball:***

- Ensure firmware is up to date.
- Ensure the camera lens' are clean.
- Try a different ball (on occasion it can be difficult for the Launch Pro i to see brightly colored or extremely dark colored balls)
- Ensure the device subscription is up to date.

### ***If the device is presenting a red status light:***

- Reboot device. If red light persists, navigate online to [support.foresightsports.com](http://support.foresightsports.com) and click the Submit Support Request.

### ***If there is a device connection issue WiFi or Bluetooth:***

- The device can take up to 45 seconds to boot the radio (WiFi and Bluetooth broadcast). Wait the full 45 seconds before trying to connect or reboot.

### ***If there is a device connection issue Ethernet or USB:***

- Reboot the device and try again.
- Ensure the cable has not been damaged.
- Ensure the cable is connected to both the device, and network/computer

### ***If the device is not tracking club data:***

- Ensure the device in in club tracking mode (green status light).
- Ensure the club has a reflective marker applied. Replace club marker to ensure the club marker is not damaged.

### ***If the device is not booting up:***

- Ensure the device is plugged in.

## SAFETY

- To charge your Launch Pro i, only use the factory-supplied power adapter. Using any other power adapter or charger may damage the device and cause fire or injury.
- DO NOT disassemble, change, or attempt to repair the Launch Pro i. This could result in electric shock and will void the manufacturer's warranty.
- DO NOT use the Launch Pro i in environments with high humidity, smoke, or dust.
- DO NOT look directly into the Launch Pro i cameras when the monitor is turned on.
- If foreign objects or water enter the Launch Pro i, disconnect the device from external power and turn the power off. Continued use in this state can cause fire or electric shock.
- The Launch Pro i has been designed to withstand ball impact. However, if the device enclosure or LCD display is damaged due to a ball impact or other reasons, turn the power off and discontinue use.
- The Launch Pro i uses three digital cameras that are precisely calibrated. Do not drop or subject the device to any impacts.
- After use, always store the Launch Pro i in a safe, dry, and dust-free environment



## TECHNICAL SPECIFICATIONS

Dimensions	6" L x 6.2" W x 12" H
Weight	5 lbs (2.3kg)
Interfaces	USB-C, Ethernet, Wifi, Bluetooth
Ball Data Collected	Ball Speed, Launch Angle, Launch Direction, Total Spin, Spin Axis
Club Data Collected	Club Speed, Smash Factor, Angle of Attack, Path in/Out
Power Source	AC Converter 15V, 2.5 amp

## GLOSSARY

**1-Dot Data:** Using one club marker, a Foresight Sports launch monitor gathered the club data. This data includes club speed, club path, club angle of attack, and efficiency.

**4-Dot Data:** Using four club markers, the club data gathered by a Foresight Sports launch monitor. This data includes the 1-dot data plus club face to path, dynamic loft, lie angle, and impact location. 4-dot data is not offered on Launch Pro i.

**Alignment Stick:** The reflective stick provided with portable Foresight Sports launch monitors is used to identify the target direction.

**Ball Data:** The measured data parameters that define ball launch. Launch Pro i capture and provide six different ball launch metrics on screen.

**Club Data:** The measured data parameters that define the golf club at impact. Launch Pro i provide four different club data metrics on screen.

**Fiducials/Club Markers:** The reflective stickers that the photometric launch monitors require to attain club data.

**Hitting Zone:** The area in which the ball must be located for the launch monitor to track impact and flight.

**I/O Area:** The area of the device that contains all of its inputs and outputs, including power input, ethernet, and USB.

**Left-Handed/Right-Handed Mode:** This is the user-defined device state, which sets the device in the proper orientation for either a right-handed or left-handed hitter. It is controlled through the display interface.

**Photometric Launch Monitor:** A camera-based device that collects images of the golf club and ball during the swing and launches for the purpose of measuring and analyzing data surrounding the golf ball launch.

**Status Light:** The light on the front of the device that displays the device's status. Various status light colors and behaviors indicate different device states.

**Triscopic:** The configuration of three cameras calibrated together to track objects in 3 dimensions.