IDRA II

INSTALLATION GUIDE

CONTENTS

1. IMPORTANT INFORMATION

WARNING

PLEASE READ THE FOLLOWING BEFORE USE.

FAILURE TO FOLLOW THE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY, PROPERTY DAMAGE, AND/OR VOID THE DEVICE WARRANTY.

1. The IDRA II mounting plate is designed specifically for mounting an IDRA II launch monitor to a ceiling. Do NOT attempt to mount additional items to the provided mount, as the additional weight may result in damage and/or failure.

2. Do NOT install IDRA II in a location where vibration or impact shock may occur. This may result in damage to or failure of the launch monitor.

3. Install in a level and stable location. Failure to do so may result in falling of the launch monitor, leading to injury.

4. Prior to installing IDRA II, make sure the ceiling area is strong enough to hold a minimum of 20 pounds. If the ceiling area is not strong enough, reinforce the area prior to installation.

5. Do NOT install IDRA II in a location where its operating temperature may be exceeded. Excessive temperatures may damage the launch monitor. Recommended operating temperature range is 0°C – 50°C (32°F – 122°F).

6. Install IDRA II in a place free of excessive dust and humidity to prevent the lens or optical components of IDRA II from becoming clouded or dirty. The recommended humidity level for the room is 30 to 65%.

7. Do NOT attempt to disassemble, repair, or modify IDRA II. Doing so may result in fire, electrical shock, or injury. Contact our support team if any problems occur with the launch monitor.

8. Make sure the hitting zone is not exposed to direct sunlight, and that no light-colored surfaces (such as the floor, mat, Birtee, etc.) are visible in the hitting area, as this may cause misreads.

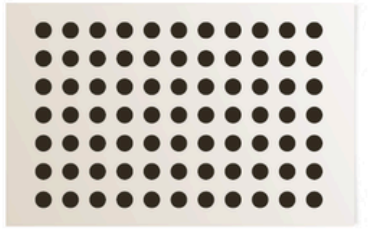
9. Be aware of your surroundings and use cautiously with children around.

10. Do NOT install IDRA II outside. This device is only designed for indoor use.

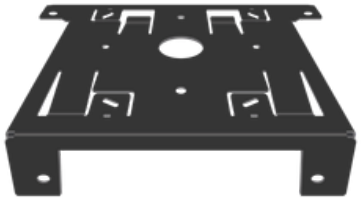
11. Do NOT touch the LED light as it may cause burns, and avoid looking directly at the light to prevent potential eye damage.

2. PACKAGE COMPONENTS

IDRA II launch monitor with power cable and two USB camera cables (1x)



Calibration board (1x)



Mounting plate (1x)

For illustration purposes only. Model may vary.

Wireless remotely operated switch (1x)

(Only included in North America)

Tightening screw (2x)

Phillips screws for wood (4x) (Optional)

Anchors for drywall (4x) (Optional)

Phillips screws for drywall (4x) (Optional)

USB Hub

Steel Binding Barrels and Screws (3x)

(Only compatible with SimBooth 3 & 4 enclosures)

Equipment needed
(not included)

- **Drill (for drywall anchors)**
- **Ladder**
- **Phillips screwdriver**
- **Pencil**

3. DIMENSIONS & WEIGHT

WEIGHT: 6.53 KG (14.4 LBS)

- **A** WIDTH: 13 5/16" (33.8 CM)
- **B** HEIGHT: 7 ¼" (18.4 CM)
- **C** DEPTH: 9 5/8" (24.5 CM)

Ensure that you have sufficient space to comfortably swing your club in your chosen area.

WHAT'S INCLUDED

- IDRA II camera
- Calibration board
- IDRA II ceiling mount
- Wireless remote control outlet (Only included in North America)
- Drywall plastic toggle anchors (4)
- Head Phillips/square drive screws (4)
- Head Phillips/square drive screws (4)
- 2 years warranty

4. REQUIRED SPECS

PC Specifications

With **GSPRO**

Requirement	Minimum	Recommended
Processor	Intel Core i7, 10th Gen, with at least 16 logical processors	Intel Core i7, 10th Gen or newer, with at least 24 logical processors
Storage	512 GB	**1 TB**
GPU	Nvidia GeForce RTX 20 series	**Nvidia GeForce RTX 40 series or newer**
RAM memory	16 GB	**32 GB**
USB Ports	2 USB 3.0 & 1 USB-C ports are required	
Internet	High-speed Internet is required	

With **E6 CONNECT**

Requirement	Minimum	Recommended
Processor	Intel Core i7, 10th Gen or newer, with at least 16 logical processors	
Storage	512 GB	
GPU	Nvidia GeForce RTX 20 series	**Nvidia GeForce RTX 30 series**
RAM memory	16 GB	
USB Ports	2 USB 3.0 & 1 USB-C ports are required	
Internet	High-speed Internet is required	

WARNING

AMD PROCESSORS & GPUS ARE NOT SUPPORTED.

DO NOT USE USB CABLE EXTENSION BETWEEN YOUR PC AND YOUR IDRA II CAMERA.

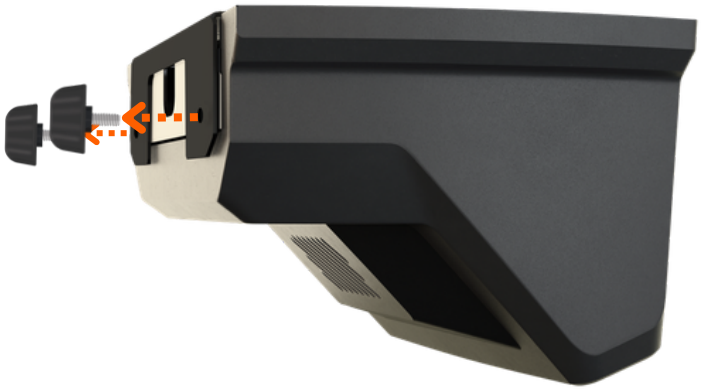
5. HARDWARE INSTALLATION GUIDELINES

Installing the bracket

The IDRA II Camera and mount bracket come attached together in the box.

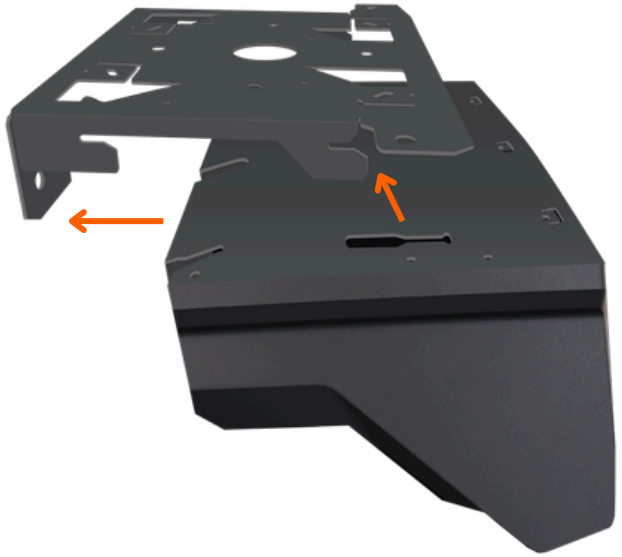
1. Remove the tightening screws (illustration 1) and slide out the mount bracket from the camera (illustration 2).

Illustration 1



REMOVE THE SCREW

Illustration 2



SLIDE OUT MOUNT BRACKET

5. HARDWARE INSTALLATION GUIDELINES

Installing the bracket

2. Fix the bracket **parallel to the impact screen, flat and level (very important)** against the ceiling. Use the provided screws (screws for wood or anchors and screws for drywall depending on your need). Screw them in the appropriate locations (illustration 3).

Refer to the diagram on the next page for the adequate position according to the height of your ceiling (illustration 4).

Illustration 3

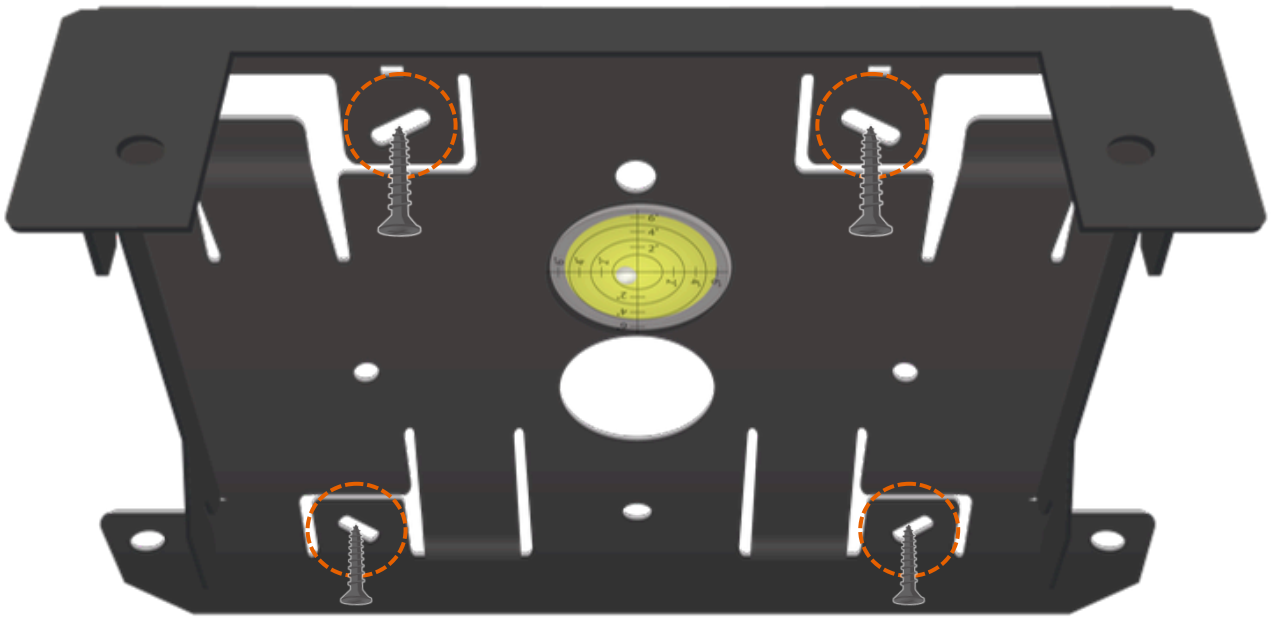
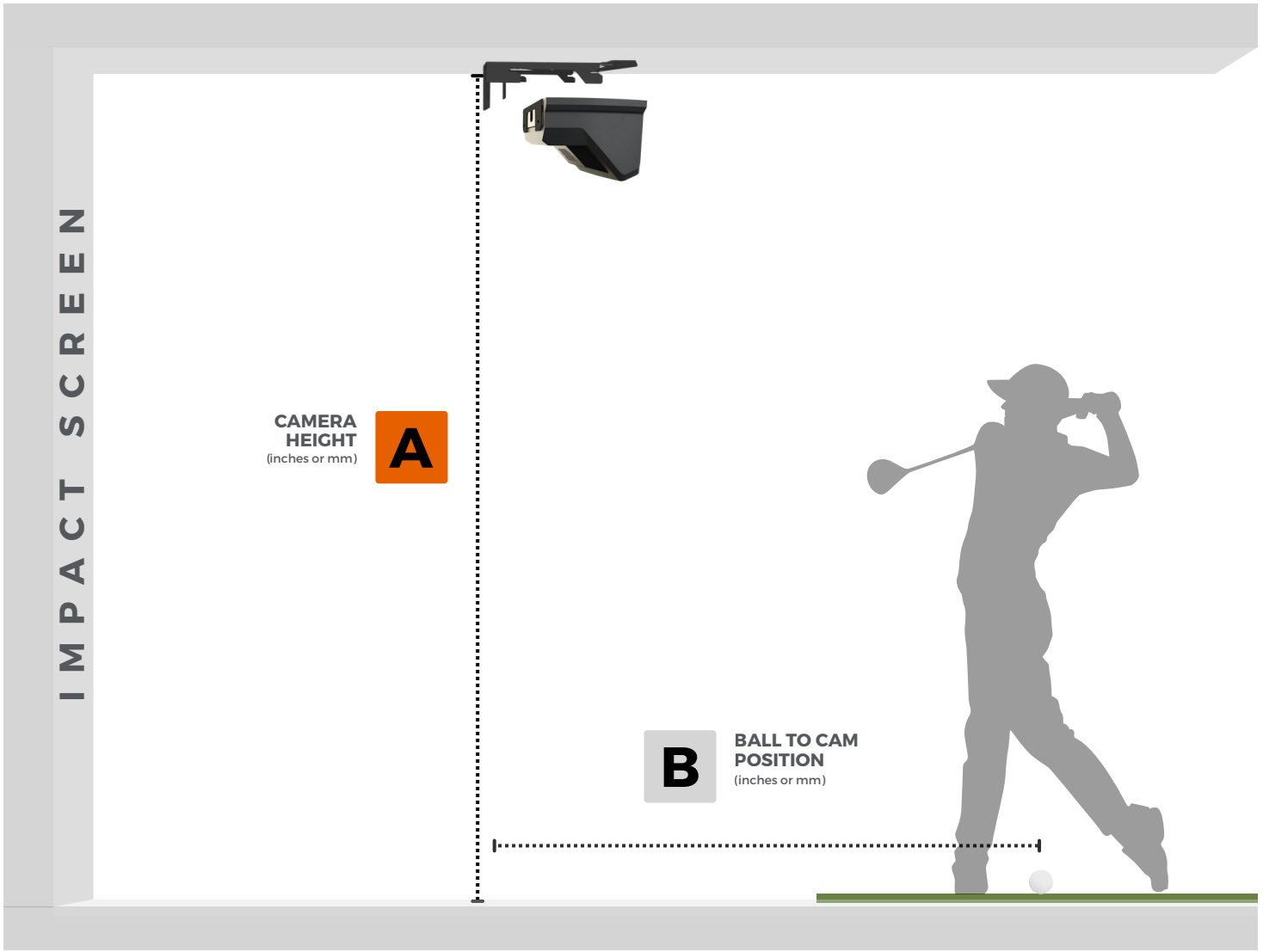


Illustration 4



A		B	
Camera Height (inches)	Camera Height (mm)	Ball to cam position (inches)	Ball to cam position (mm)
99	2515	52	1320
100	2540	52 1/2	1333
101	2565	53	1346
102	2591	53 1/2	1360
103	2616	54	1373
104	2642	54 5/8	1386
105	2667	55 1/8	1400
106	2692	55 5/8	1413
107	2718	56 1/8	1426
108	2743	56 5/8	1440
109	2769	57 1/4	1453
110	2794	57 3/4	1466
111	2819	58 1/4	1479
112	2845	58 3/4	1493
113	2870	59 1/4	1506
114	2896	59 7/8	1519
115	2921	60 3/8	1533
116	2946	60 7/8	1546
117	2972	61 3/8	1559
118	2997	61 7/8	1573
119	3023	62 1/2	1586
120	3048	63	1599

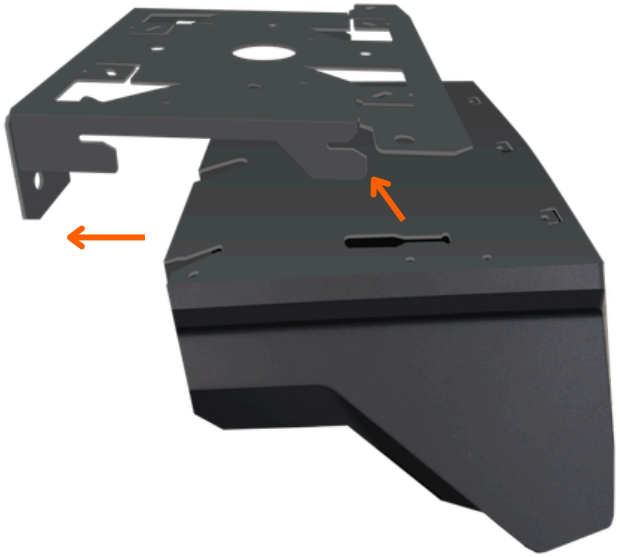
B IS MEASURED FROM THE BACK OF THE MOUNTING PLATE TO THE CENTER POSITION OF THE BALL.

5. HARDWARE INSTALLATION GUIDELINES

Sliding the IDRA II camera back into the mount

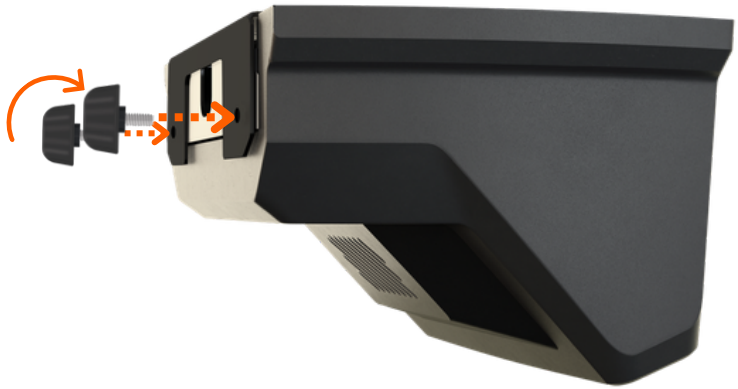
3. Slide the IDRA II camera into the bracket (illustration 5) and fix the two screws in the back of the bracket (illustration 6).

Illustration 5



SLIDE THE CAMERA INTO THE BRACKET

Illustration 6



FIX THE TIGHTENING SCREWS IN THE BRACKET

5. HARDWARE INSTALLATION GUIDELINES

Cable connections

Connect the power cable (country-specific) to the wireless remotely operated switch. Connect your wireless remotely operated switch to your electrical outlet.
Plug one of the two USB camera cables to your 3.0 USB SS port on your PC.
Plug the second USB camera cable to your HUB. Then plug the HUB to the USB-C port on your PC. (illustration 7)

Illustration 7

The PC must be positioned within a maximum of 25 feet from IDRA II.

6. SOFTWARE INSTALLATION

GolfIn Launcher installation and IDRA II callibration

Follow these steps to complete your installation:

STEP 1
Ensure your simulator computer (PC) is connected to the Internet.

STEP 2
Confirm that you have purchased the necessary software. IDRA II is compatible with:

- GSPro (If you don't already have a licensed key, consult our GSPro purchase guide on our websites resources page)
- E6 Connect (If you don't already have have licensed key, contact our sales team)

STEP 3
From the computer (PC) you use for your simulator, consult our websites resources page to download the GolfIn Launcher: https://www.golfinsim.com/resources/

STEP 4
Once the GolfIn Launcher is downloaded onto your computer (PC) click on finish,

STEP 5
A window will open automatically click on Continue. Follow the on-screen instructions to complete the calibration.

STEP 6
Once calibration completed, the GolfIn Launcher main menu will open. Select GSPro or E6 Connect depending on your purchase on STEP 2 & enter your product key.

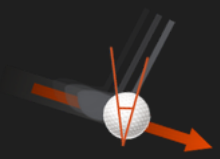
STEP 7
Enjoy your IDRA II !

7. UNDERSTANDING YOUR DATA

Club data

CLUB FACE TO TARGET

The direction in which (right or left) the club face is pointed at impact. It is measured relative to the target line.



CLUB FACE TO PATH

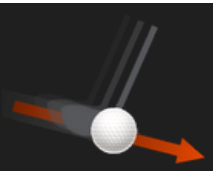
The direction in which (right or left) the club face is pointed at impact. It is measured relative to the club path line.

CLUB FACE V IMPACT

The position of the ball from heel to toe on the clubhead at impact.

CLUB SPEED

Club Speed is the speed in which the club head is traveling immediately prior to impact.



CLUB PATH

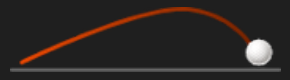
The in-to-out or out-to-in movement of the clubhead's geometric center at the time of impact. Club Path is the direction in which (right or left) the clubhead is moving at impact and is measured relative to the target line.

SMASH FACTOR

The efficiency of the energy transfer from the clubhead to the golf ball. It is calculated by dividing the ball speed by the clubhead speed.

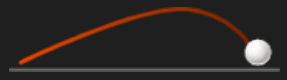
7. UNDERSTANDING YOUR DATA

Ball flight data



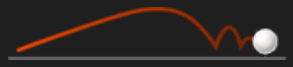
CARRY (GAME)

The distance a golf ball travels from the point of impact to the point where it first hits the ground, accounting for factors like wind, elevation changes, or course conditions.



CARRY (RAW)

The distance a golf ball travels from the point of impact to the point where it first hits the ground without accounting for factors like wind, elevation changes, or course conditions.



TOTAL DISTANCE

The complete distance a golf ball travels from the point of impact to its final resting place. This includes both the carry distance and the roll distance along the ground after landing.

BALL DIRECTION

The initial direction of the ball relative to the target line.

BALL DEVIATION

The amount a golf ball strays from its intended path, caused by swing path, clubface angle, wind, or spin. Ball deviation is often described as a hook, slice, draw, or fade.

BALL SPEED

Ball Speed is the speed of the golf ball immediately after impact.

7. UNDERSTANDING YOUR DATA

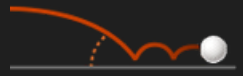
Ball flight data

LAUNCH ANGLE

The angle at which the ball takes off relative to the horizon.

PEAK HEIGHT

The maximum vertical height a golf ball reaches during its flight.



DESCENT ANGLE

The angle at which a golf ball descends towards the ground after reaching its peak height.

SIDE SPIN

The rotation of the ball around its vertical axis, causing it to curve to the left or right during flight.

BACK SPIN

The rotational spin applied to a golf ball that causes it to rotate backwards as it travels through the air.

SPIN AXIS

The line around which the ball rotates during its flight. It determines the direction and amount of curve the ball will exhibit.

IDRA®

BY GOLFIN