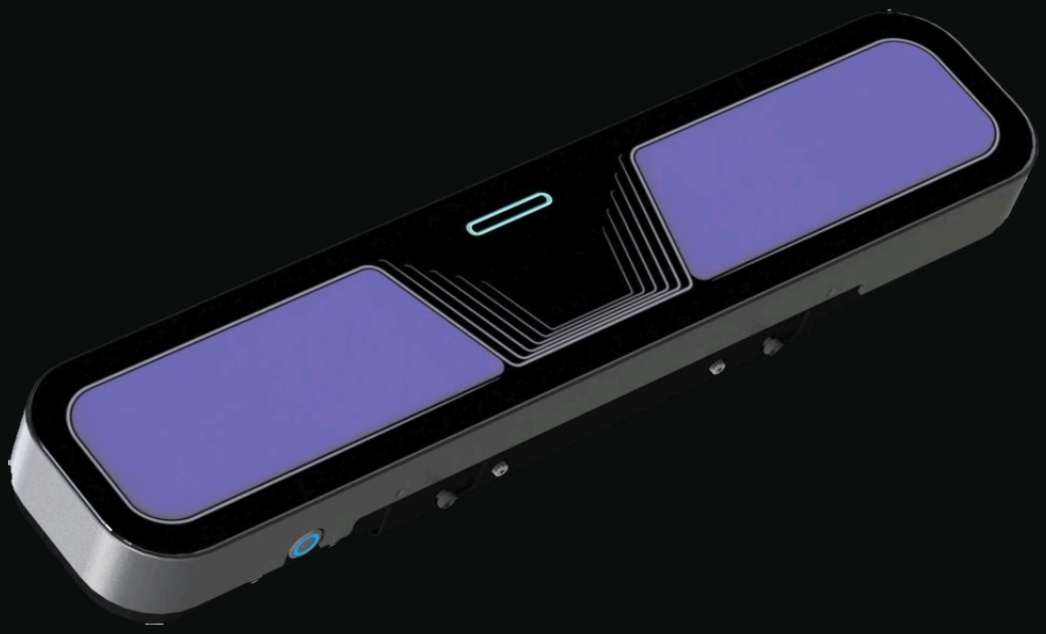
GOLFJOY

Rigel 2

User Manual

Ceiling-mounted dual high-speed camera launch monitor



1 In the Box
2 Specifications
3 Ports and Button
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Translated from the GOLFJOY Rigel 2 Pro product manual v1.1. Rigel 2 is the US name of this unit.

golfjoy.com

SECTION 1

In the Box

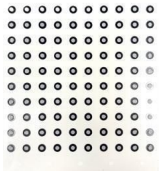
Check that every item below is in the package before you start the installation.



Launch monitor (with bracket)



Power adapter



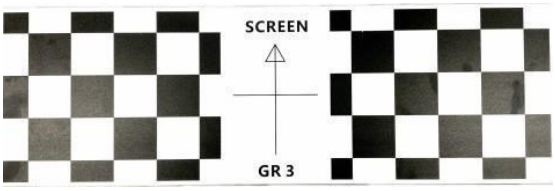
Club stickers



Adapter cable



Screws and washers



Calibration board

NO.	ITEM	QTY	SPECIFICATION
1	Launch monitor (with bracket)	1 unit	
2	Power adapter	1	Input: 100–240 V AC, 50/60 Hz, 2.5 A Output: 24 V, 3.75 A, 90 W max
3	Club stickers	5 sheets	Each dot: 5 mm outer diameter, 2.5 mm inner diameter
4	Calibration board	1	
5	Adapter cable	1	3-pin to DC connector
6	Screws and washers	1 pack	

SECTION 2

Specifications

Launch monitor type: ceiling-mounted dual high-speed camera launch monitor. Model name: Rigel 2 Pro (Rigel 2 is the US name of this unit).

Mounting	Ceiling mount, front position
Ceiling height	2.75–3.1 m (9.0–10.2 ft) without a motion stance platform 2.91–3.1 m (9.5–10.2 ft) with a motion stance platform
Distance to the tee	110 cm (43.3 in)
Calibration	No camera or infrared light adjustment needed
Golf balls	Any golf ball, including plain white balls
Club stickers	Club data works without stickers
Rough and bunker zones	Supported
Motion stance platform	Supported
Weight	4.65 kg (10.3 lb) unit only 5.65 kg (12.5 lb) with the bracket
Dimensions	75.6 x 16 x 7 cm (29.8 x 6.3 x 2.8 in) 12.7 cm (5.0 in) deep with the bracket
Camera lenses	2
Infrared lights	2 groups of 40 LEDs
Detection area	60 x 40 cm (23.6 x 15.7 in)
Ball data (7)	Ball speed, launch angle, launch direction, back spin, side spin, spin axis, total spin
Club data (11)	Club speed, attack angle, club path, face angle, face to path, impact point, dynamic loft, lie angle, face closure rate, low point, spin loft
Trajectory data	24 items
Power	Input: 100–240 V AC, 50/60 Hz, 2.5 A Output: 24 V, 3.75 A, 90 W
Housing	Aluminum alloy and TPU
Color	Gray with black
Connection	Ethernet
Environment	Indoor use
Operating temperature	-10 to 40 °C (14 to 104 °F), start-up tested at -10 °C (14 °F)
Altitude	Below 3,000 m (9,800 ft)
Humidity	20% to 70%
Storage temperature	-20 to 80 °C (-4 to 176 °F)

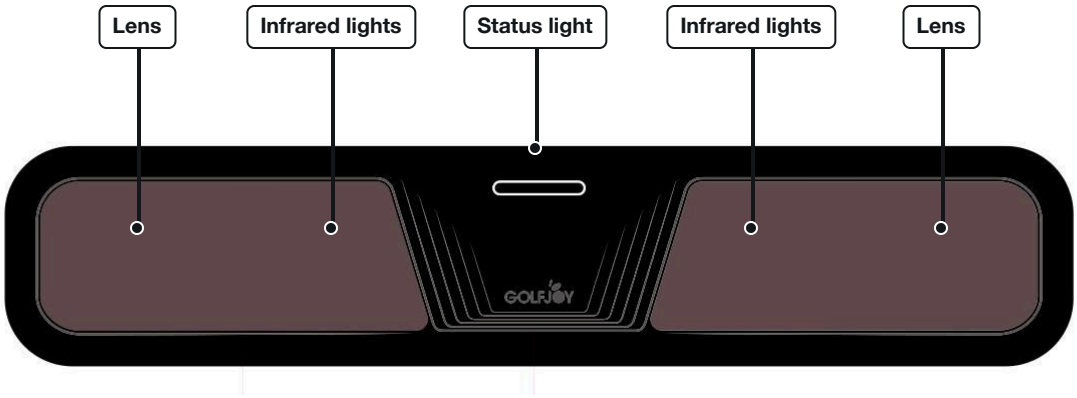
SECTION 3

Ports and Button



1. **Power button.** Press to turn the launch monitor on. The button light turns blue. Press again to turn it off.
2. **Power input.** Connects to the 24 V power adapter.
3. **Ethernet port.** Calibration and play need a gigabit Ethernet cable connected to this port.

Front View



SECTION 4

Status Light

LAUNCH MONITOR STATE	STATUS LIGHT
Starting up	Blinking blue
Start-up complete	Solid blue
Connected to the client or app	Solid blue
Ball detected	Solid green
Ball detected outside the club-data zone	Solid white
Fault alert	Blinking red

SECTION 5

Features

What Rigel 2 does and how it behaves in daily use.

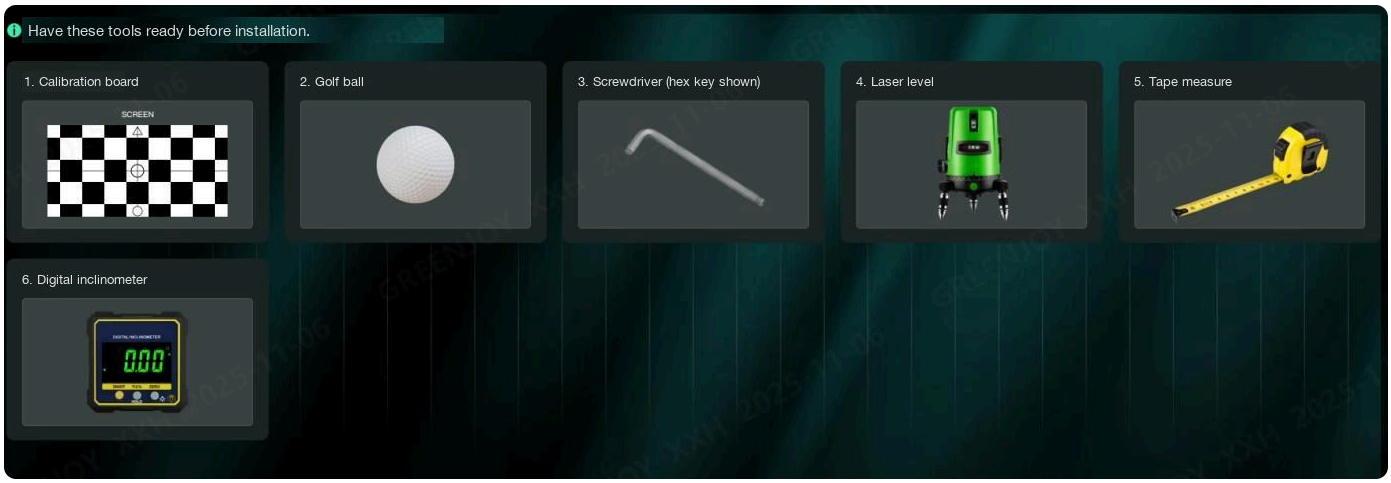
1. Front-position ceiling mount with adjustment-free hardware. There is no lens, focus or infrared board to adjust and nothing to configure, so installation is quick, with one-click calibration.
2. Two high-speed cameras cover a detection area of 60 x 40 cm (23.6 x 15.7 in).
3. Works with a curved motion stance platform and with rough and bunker turf, so you can play any stance, ball position and slope.
4. Reads any golf ball, including plain white balls, and supports every type of shot.
5. Frame-by-frame images of the clubhead at impact provide image data for training.
6. Certified to CE, FCC and RoHS, among other international certifications.
7. Supports left- and right-handed golfers, clubhead path playback, and rough and bunker turf.
8. A new slide-in mounting method makes installation easier.
9. A thinner, more compact housing.
10. Sleep mode. By default, when a ball has been detected and no shot is hit for 15 minutes, the launch monitor goes to sleep and the status light changes from green (ball detected) to blue. Move or cover the ball to wake it.
11. Wi-Fi connection. The GOLFJOY Pro and GOLFJOY Space apps can both connect to Rigel 2.
12. Club stickers are optional. Some black or very dark clubfaces need stickers on the face so club data calculates reliably.

SECTION 6

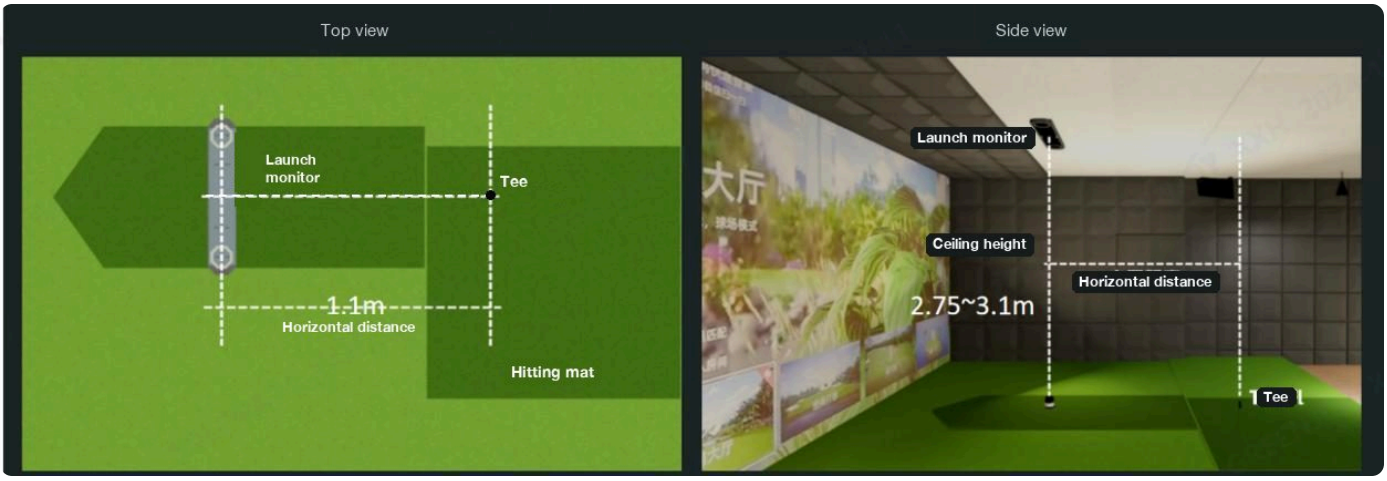
Installation and Calibration

6.1 Installation and Positioning

Have the tools below ready.



Install and position the launch monitor as shown below.



- **Slide-in design.** Once the base bracket is installed, line the launch monitor up with the bracket slot, slide it on and let go. Tighten the safety screw to finish. It is simple and reliable for experienced and first-time installers alike.
- **Orientation: front position.** Supported ceiling height: 275–310 cm (9.0–10.2 ft). Distance to the tee: fixed at 110 cm (43.3 in).

> **Note:** With a motion stance platform, the ceiling height must be 2.91–3.1 m (9.5–10.2 ft).

6.2 Calibration

The install helper screens in this manual show the Chinese interface language.

Step 1. Automatic network setup. Open the GOLFJOY Install Helper, select Rigel 2 Pro and click Next. The helper sets up and connects the network automatically.



Step 2. Place the calibration board. Place the calibration board inside the green frame. The board center does not have to sit exactly on the tee at 110 cm, as long as the board covers the tee. Make sure the board is inside the frame and its arrow points in the hitting direction (perpendicular to the screen).



Step 3. Draw the zones. Draw the zones in the left and right camera views. If your setup has no rough or bunker turf, you do not need to draw the rough and bunker zones.



SECTION 7

Club Sticker Method

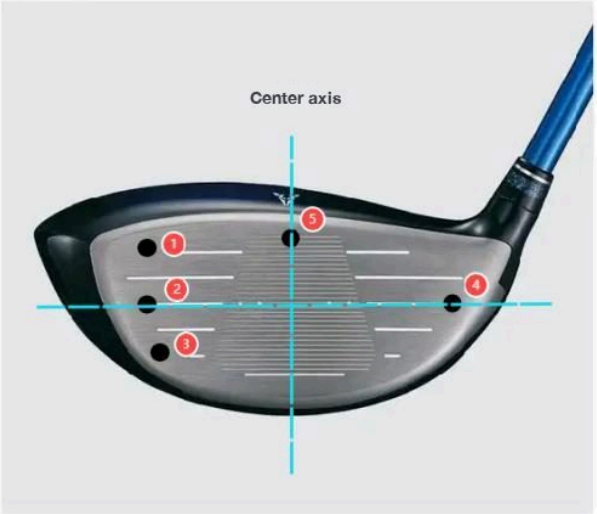
- Club stickers are optional, but some black or very dark clubfaces need stickers on the face to raise the club data success rate.
- Club data appears only when the status light is green. A white light means the ball is in the area without club data.
- For high-precision club data, use the five-dot method with the special dot stickers on the clubface.

Woods

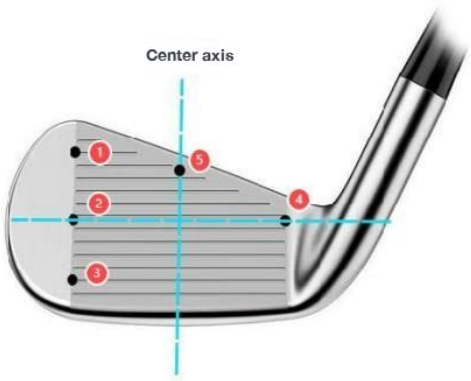
Use the score lines on the face. If the lowest line is very short, leave it out of the count. Dots 2 and 4 sit on the middle score line, on the same horizontal line as the sweet spot. Dot 2 is 5 mm from the left edge and dot 4 is 5 mm from the right edge. The center axis is the vertical line midway between dots 2 and 4. Dot 1 sits directly above dot 2 (the line from dot 2 to dot 1 runs parallel to the center axis), 5 mm below the top of the clubhead. Dot 5 sits on the center axis, 5 mm below the top. Dot 3 sits on the lowest score line, as close to the left edge as possible.

Irons

Use the score lines on the face. Dots 2 and 4 sit on the middle score line, on the same horizontal line as the sweet spot, with dot 2 at the left end and dot 4 at the right end of that line. Dot 1 sits at the left end of the second score line from the top. Dot 3 sits at the left end of the second score line from the bottom. Dot 5 sits on the center axis (midway between dots 2 and 4), 5 mm below the top. Small placement errors are acceptable.



Woods: five-dot positions.

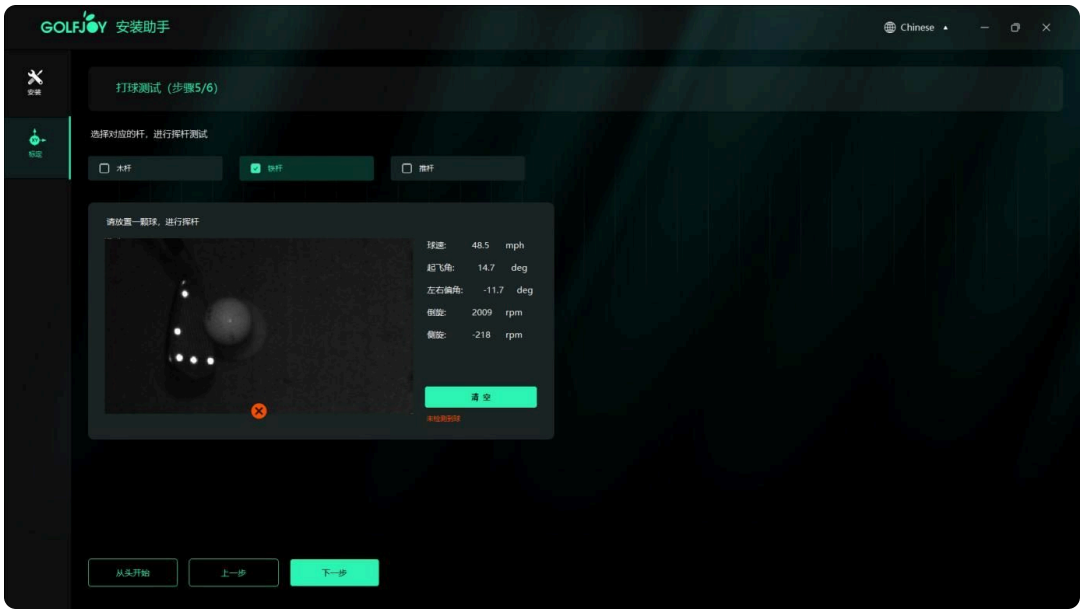


Irons: five-dot positions.

SECTION 8

Shot Test

On the shot test screen, hit a shot once the software shows that a ball is detected. Check that shot data and the replay video appear.

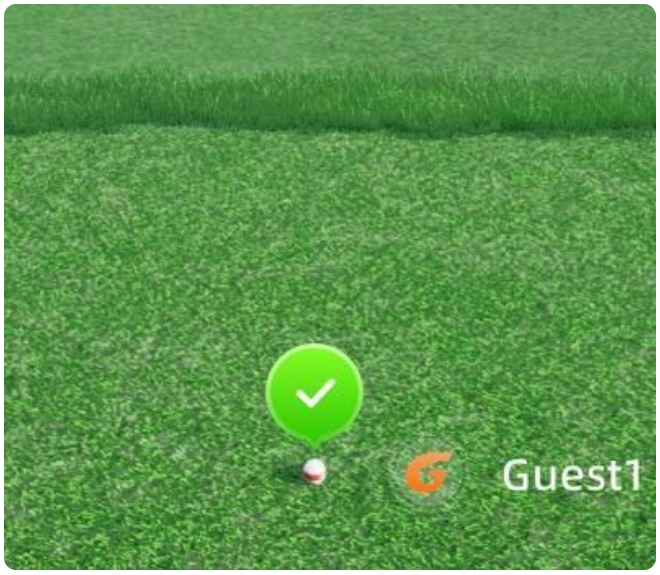


SECTION 9

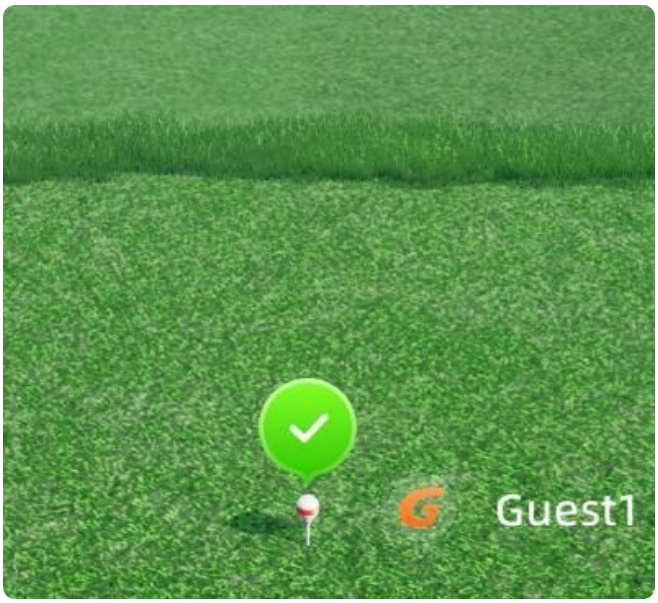
Zone Check

Tee Zone

Place the ball on the tee. The client shows a prompt.

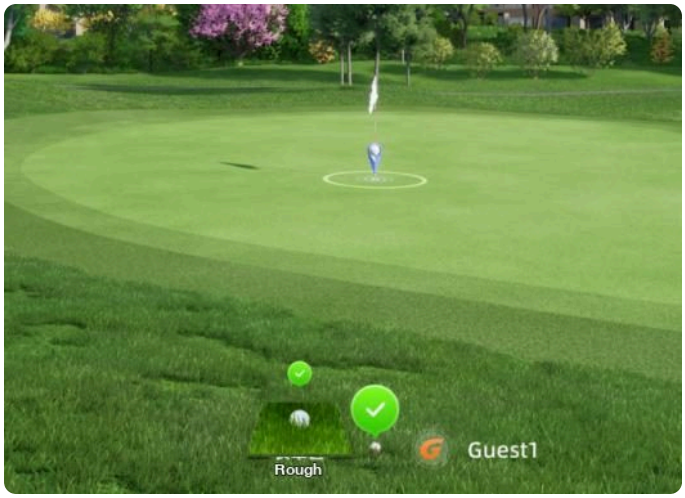


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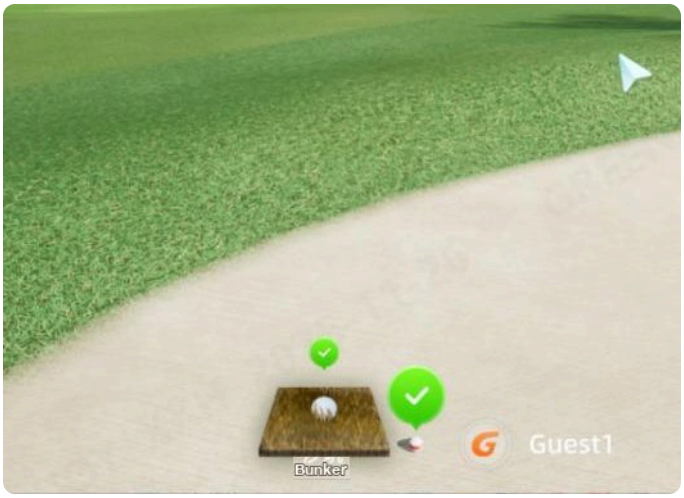
Rough Zone

Place the ball in the rough zone. The client shows the matching prompt.



Bunker Zone

Place the ball in the bunker zone. The client shows the matching prompt.



Need help with installation or calibration? Contact GOLFJOY Support at golfjoy.com/support with your model and serial number.