



ERNESTSPORTS®



ESB1 User Manual

Correct ball placement is important for the most accurate measurements.



Place the ball 5ft directly in front of the ESB1. Use this as the center of your hitting area with the total hitting area being 1ft wide and from 4ft to 6ft in front of the unit.



Selecting a Club

When powered on, the display shows the club currently selected. To change clubs, use the buttons or press the club button in the app to bring up the Club/Loft selection page. Make your selection and press send.

Club notations are as follows:

D WD	Driver	4 IR	4 Iron
3 WD	3 Wood	5 IR	5 Iron
5 WD	5 Wood	6 IR	6 Iron
7 WD	7 Wood	7 IR	7 Iron
2 HYB	2 Hybrid	8 IR	8 Iron
3 HYB	3 Hybrid	9 IR	9 Iron
4 HYB	4 Hybrid	P WDG	Pitching Wedge
5 HYB	5 Hybrid	G WDG	Gap Wedge
2 IR	2 Iron	S WDG	Sand Wedge
3 IR	3 Iron	L WDG	Lob Wedge



Programming

When powered on, press the  button to enter Program mode. Once in Program mode, use the   buttons to switch between settings.

To Change Altitude – With ALT displayed, press the  button. The current altitude setting flashes. Using the   buttons, change to the desired altitude. Press the  button to save your selection.

BAT – gives the current battery voltage which can help you know when to recharge. Typical range is from 8.2 – 6.5. The low battery indicator will come on below 7.1.

To Program Idle Timer - With IDL displayed, press the  button. The number will begin flashing. Use the   buttons to select how many minutes of idle time before unit shuts down. Press the  button to save your selection.

To Select Yards or Meters – With UNT displayed, press the  button. The current distance setting will flash. Use the   buttons to select YRD or MTR. Press the  button to save your selection.

BTN – Adds a dash and number to the Bluetooth name. At 00, the unit will read “ESB1”. Example: set to 87, the unit will read “ESB1 – 87”.

SN – Is the serial number and cannot be changed.

CAL – Is for expansion and is not currently used.

Programming (cont.)

PAS - is the Personal Adjustment Setting.

You can adjust the distance of the shot by +9 to -9 percent for each club.

With PAS selected press the  button.

The current club will flash. Use the   buttons to select the club to program.

Press the  button again. The current setting will flash.

Use the   buttons to select the percentage of adjustment.

Press the  button to save

To Reset to Default Settings - With RST displayed, press the  button. RST will begin to flash slowly.

Press the  button (RST will begin to flash faster) and now press the  button. Display will stop flashing.

MDE 1 – Is normally set to 0. It may be changed to 1 to help pickup softer shots, but should be switched back to 0 for most shots.

VER – gives the current Firmware version.

ES Range App

Download the free ES Range app by searching ES Range from the App Store™.



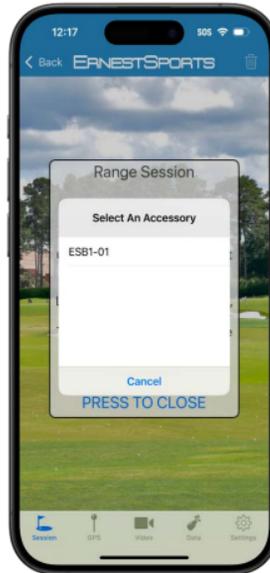
Apple Connecting:

Option 1:

On your Apple® device, go to Settings then Bluetooth. Turn Bluetooth ON. The ESB1 will appear. Select ESB1 to connect.

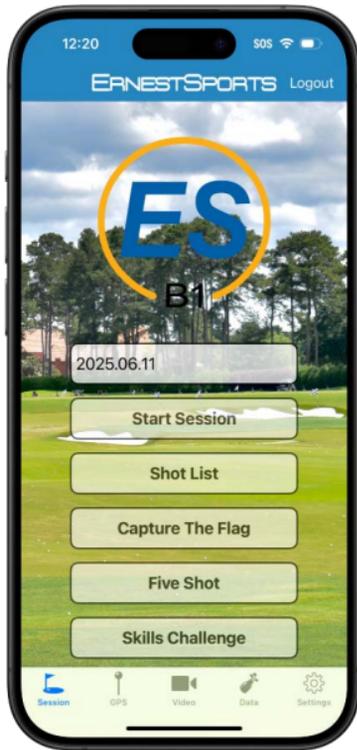
Option 2:

If no connections are active after starting an new Range Session a Select An Accessory window will appear. Select the available ESB1 to connect.



Navigation

Navigate using the Tab Bar at the bottom of the screen.



Session - Start a new range session or game

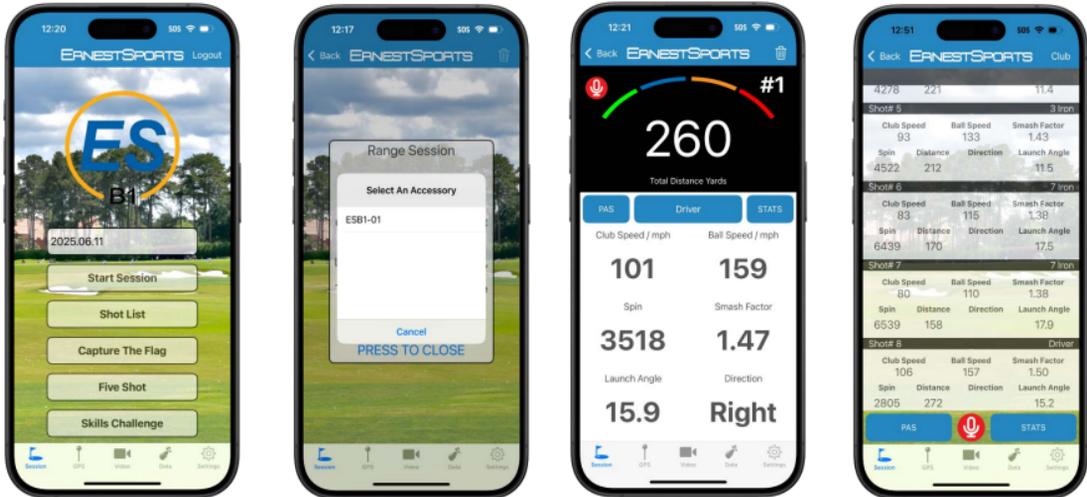
GPS - Range Session with Satellite view

Video - Record your swing

Data - View Session Logs and Club Data

Settings - Update Profile, User info and Firmware

Start Session / Shot List



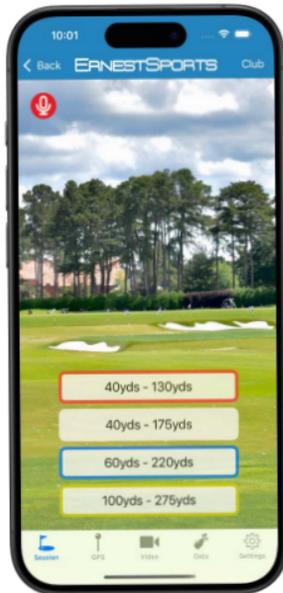
Update Session name then press Start Session or use Shot List to display current session. The "Select An Accessory" window will come up if Bluetooth connection isn't active.

Place device on the ground (see Positioning the ESB1).

Skills Challenge

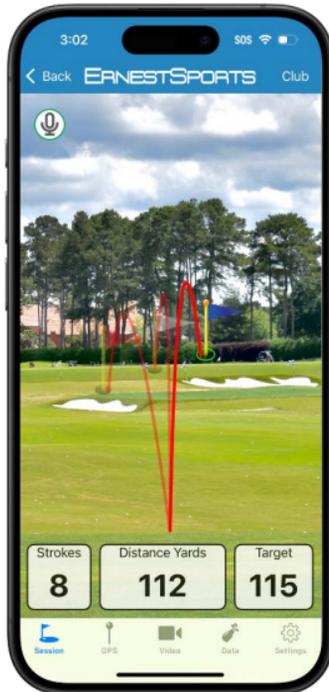
Close instruction window and pick from several range options.

Club selection can be done by voice command or by pressing “Club” in the upper right hand corner.



Capture the Flag / Five Shot

Capture the Flag gives three target distances and is scored by how many strokes to get near the target distance. In Five Shot you select a target distance and are scored based on proximity to target.



GPS Driving Range



Rotate phone till desired bearing is shown on map, and select starting point. This will lock map rotation and zoom out. While distance rings are displayed, pressing anywhere on map will display distance to that location. Using launch monitor will draw a band showing that distance.

Video

Use record button or voice commands to start. Video will be saved to Photos. Further processing can be done from Session Logs.



Video Commands:

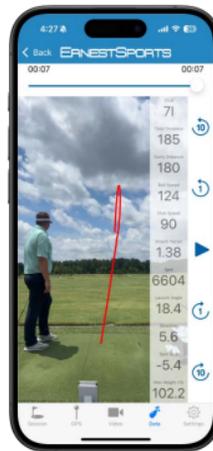
- Start / Record
- Stop
- Flip (front /back camera)
- Club Change

Video Options:

- Choose front/back camera.
- Session Name
- Set video resolution
- Set video frame rate

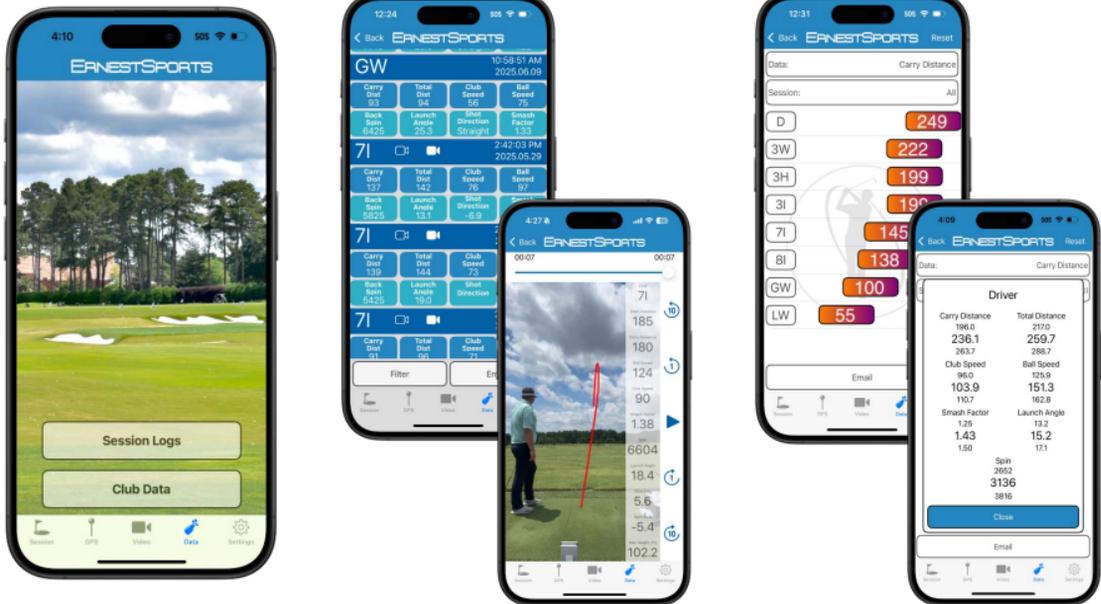
Video Processing

From the Session Logs screen, look for the  icon. This indicates a base video with no overlays stored with your Photos. Press the  icon and it will start to play back the video. With compatible launch monitors it will process in 2 steps. First pass will mark everywhere it saw a golf ball. In the second pass if it has enough detections it will draw the ball flight and measure the launch angle, direction, and spin axis. Otherwise it will add a shot data overlay. Different save options will be given to Edit, Save To Cloud, or Save to Cloud and Delete Original. The rendered video will be accessible by pressing the  icon. Note: keeping original video will allow video to be reprocessed in the future as the AI model is updated or additional editing options are implemented.



Data

From the Data screen, select which view. From there you can view all shot data, or videos. You can also view your club data. Both can be filtered by session, club, and emailed. Club Data can graph different data points as well.



For more information contact:
Ernest Sports, Inc.
Telephone: 855.354.4653
Email: info@ernestsports.com
Website: www.ernestsports.com



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