

NEO-E™ Launch Monitor User Manual

© 2026 NVISAGE All rights reserved.

Under copyright laws, this manual should not be reproduced, in whole or in part, without the written permission of NVISAGE. The specification or any information can change without notice.

NVISAGE
TECH
NOLO
GIES

Table of Contents

1.	Instruction.....	4
1.1	Document Guide	5
1.1.1	Target Audience.....	5
1.1.2	Symbols	5
1.2	Terminology.....	6
1.3	Precautions.....	7
1.4	Revision History	9
2.	Product.....	10
2.1	Product Components.....	11
2.2	Product Specification	12
2.2.1	Drawing	12
2.2.2	Main Buttons	13
2.3	Installation	14
2.3.1	Installation Condition.....	15
2.3.2	PC Compatibility.....	16
2.3.3	Golf Club Sticker Attachment.....	16
2.3.4	Reference Documents.....	18
2.4	Operating Method	19
2.4.1	Power	19
2.4.2	LED Status	20
2.4.3	Product Charging / Battery Operating Time	21
3.	Operating Method	22
3.1	Practice Mode	23
3.1.1	Ball Recognition.....	24
3.1.2	Club Data Measurement	25
3.1.3	Shot Data.....	26
3.1.4	Sleep Mode	29
3.2	Main Features	30
3.2.1	General Settings.....	31
3.2.2	Screen Settings	38
3.2.3	Connection Settings	46
3.2.4	Other Settings	49
4.	Maintenance	51
4.1	Troubleshooting Guide.....	52

5. Regulatory Information.....54

5.1 Wireless.....55

5.1.1 ISED (Canada) 55

5.1.2 J-MIC (Japan) 56

1 Instruction

Document Guide
Terminology
Precautions
Revision History

NVISAAGE TECH NOLO GIES

1.1 Document Guide

This manual may not be copied, reproduced, or translated in whole or in part without the written permission of NVISAGE Co., Ltd., nor may it be published in any electronic or machine-readable form.

This manual may contain links to websites of companies other than NVISAGE Co., Ltd. NVISAGE assumes no responsibility for the content of these linked sites. Additionally, any quoted materials without an explicitly stated source remain the copyright of their original authors.

1.1.1 Target Audience

This manual is intended for NEO-E users.

1.1.2 Symbols

This product should be operated under the safety instructions with the warning or caution symbol in this manual. It is important for you to read and understand the contents to operate the products safely.

Warning



- This symbol provides information that the user must follow to ensure personal safety or prevent product damage.

Caution



- This symbol provides information that the user must follow to prevent data loss or damage.

Information



- This symbol provides additional information.

1.2 Terminology

The terminologies defined in the manual are as follows:

Terminology	Definition
Product	The term "product" refers to NEO-E.
Practice Mode	It indicates the state before the ball is recognized.
Club Sticker	A sticker that attaches to a golf club to collect various shot data. It is included with the product.
Alignment Tool	A tool provided with the product to compensate for angle differences.
Outdoor Stand	A stand that attaches to the bottom of the product. It prevents contamination in outdoor grass environments and enhances ball recognition. Indoors, it helps stabilize the product's position.
Ready Zone	It represents the area where the ball will be recognized.

1.3 Precautions

General Precautions



- This product uses a camera that is installed with precision. Do not drop, disassemble, or modify the product. There is a risk of damage to the device or electric shock.
- For safety, do not store the product in places where children or pets can access it.
- If liquid or foreign objects accidentally enter the device, do not use the product. Immediately turn off the power and contact the seller for assistance.
- Do not operate the product with wet hands, as there is a risk of electric shock.

Installation Precautions



- Do not place the product in dusty, sandy, or dirty locations, or near air conditioners or heaters, as the product may be damaged.
- Do not install or operate the product in extreme environments where vibration, heat, humidity, dust, fumes, or gases that may cause explosions or corrosion are present.
- Do not apply vibration or shock to the product, as it may be damaged.
- Avoid direct exposure of the product to strong lighting, as it may damage the sensor.
- Do not install the product in areas with unstable lighting, as it may affect the video quality generated by the product.
- Do not look directly at the camera with your eyes when the device is powered on.
- Do not use the product on long grass, as it may obstruct the product's view and make it difficult to provide accurate measurements.
- When cleaning the product's surface, do not use solutions or diluents, as they may damage the product.
- Keep the product dry and always turn off the power when storing it.
- Do not store the product in extremely hot or cold locations. (Recommended temperature range: 14°F to 113°F)

Power Supply Precautions



- Using an incorrect power supply may damage the product. Always use the provided power adapter for charging. Using a different power adapter or charger may damage the device or cause fire or injury.
- Before connecting the power wiring of the product, make sure the product's input power is turned OFF. Failure to do so may cause damage to the product.

Battery Usage Precautions



- This product contains a non-detachable battery pack.
- Do not attempt to disassemble, modify, or apply heat to the battery pack.

- Avoid dropping the product or subjecting it to severe impacts. To prevent the risk of injury, do not touch the internal parts of the battery if it is cracked or damaged.
- Stop using the product immediately if it emits smoke, a strange odor, or operates abnormally.
- Do not leave, store, or place the product near heat sources or in locations subject to high temperatures, high humidity, or mechanical shock. Failure to do so may result in battery leakage, overheating, or product damage, which could cause electric shock, burns, injury, or fire.
- The battery will slowly discharge even when not in use.
- Be sure to charge the battery periodically (at least once a year) when the product is not used for an extended period. Keeping the battery in a discharged state for a long time may negatively affect battery life.

1.4 Revision History

Version	Date	Description
1.6	2026-09-07	Deleted) Bluetooth-related contents Edited) 2.4.2 LED Status Added) Club Data Measurement
1.5	2026-07-14	Edited) UI of Putt/shot mode Edited) 2.4.2 LED Status Edited) 3.2.1 General Settings
1.4	2026-03-16	Edited) 2.3.3 Golf Club Sticker Attachment
1.3	2026-01-19	Edited) 1.3 Precautions Edited) 2.1 Product Components Edited) 2.3.3 Golf Club Sticker Attachment Added) 2.3.4 Reference Documents Edited) 3.1.2 Shot Data Edited) 3.2.2 Screen Settings Added) 5. Regulatory Information
1.2	2025-10-24	Edited) 3.1.2 Shot Data Edited) 3.2.Main Feature
1.1	2025-08-22	Edited) 3.1.1 Ball Recognition – Added Specified Ball Type
1.0	2025-04-07	Initial release

2 Product

Product Components
Product Specification
Installation

NVISAAGE
TECH
NOLO
GIES

2.1 Product Components

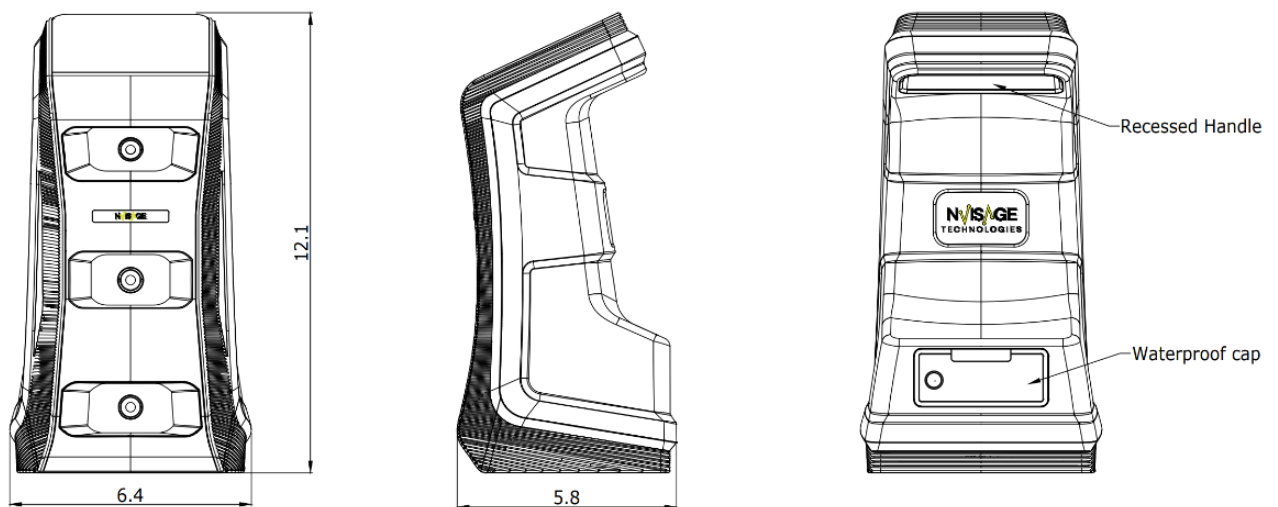
This product is a portable launch monitor developed by NVISAGE Co., Ltd. It allows for precise and multi-angle analysis of all aspects related to a shot. Additionally, its lightweight and highly portable design makes it convenient to carry.

Item	Image
NEO-E Launch Monitor	
Club Sticker	
Adaptor (ATS090T-P240 / Adapter Technology Co., Ltd)	
Alignment Tool	
Outdoor Stand	

2.2 Product Specification

Item	Description
Product Name	Specific low-power wireless device (Wireless device for wireless data communication systems)
Model Name	NEO-E
Main Features	Alignment, Wi-Fi, Shot&Putt tracking, customizable UI, ball(spin), and data for ball(spin), club and ball flight.
Size (W x H x D)/Weight	6.3" × 12.1" × 5.8" / 5.95 lb
Language	English
Operating Temperature	14°F to 113°F
Wireless Connection	Wi-Fi
Components	Main Body, alignment tool, user manual, club sticker, and outdoor stand
Manufacturer	NVISAGE

2.2.1 Drawing



Item	Description
Size (W x D x H)	6.3" × 12.1" × 5.8"

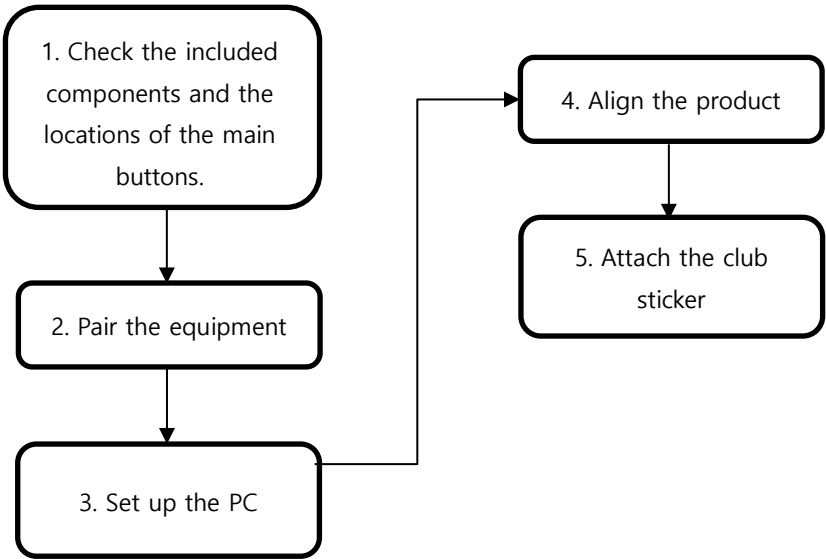
2.2.2 Main Buttons



No.	Name	Description
①	Handle	Carrying handle for product transportation
②	Camera	Camera lenses (total of 3)
③	Front LED	Product operation status indicator
④	Power Button	Power On/Off
⑤	Rear LED	Product operation status indicator
⑥	USB-C Port	USB-C type cable connector
⑦	Power Port	Power cable connector With waterproof cap (), Without waterproof cap ()
⑧	Ethernet Port	Ethernet cable connector

2.3 Installation

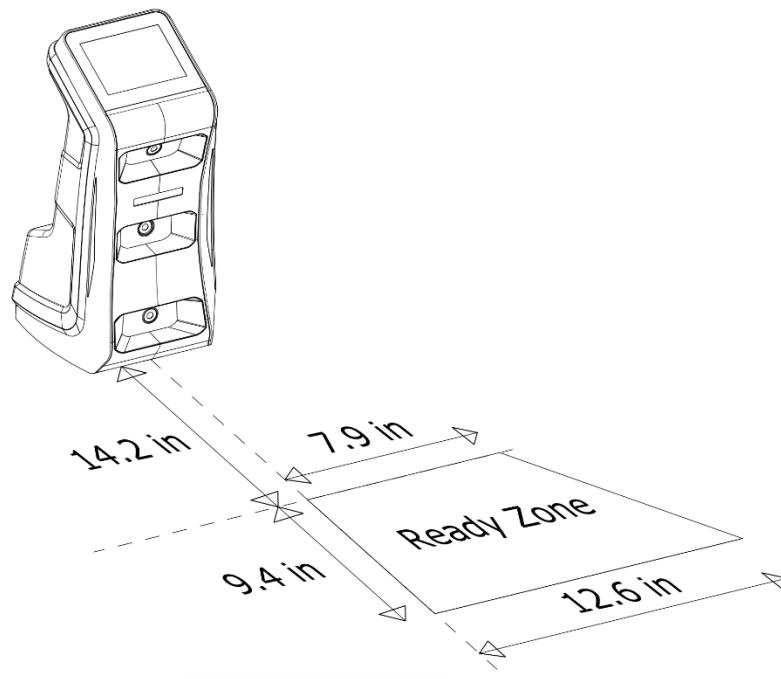
This section explains how the user can install the product.
Follow the initial installation steps in the order provided:



- Refer to <2.1 Product Components > for more information on the components.
- For the location of the main buttons, refer to <2.2.2 Main Buttons>.

2.3.1 Installation Condition

Install the launch monitor by meeting the following conditions:



Item	Description
Space Required for Installation (W×D×H)	15.8" × 29.4" × 12.1"
Data Collection Points	14.2"
Strike Zone Dimensions (W×D)	12.6" × 9.4"
Battery Life (Wireless)	Minimum 5 hours
Marking Ball	Unnecessary
Compatible Accessories	Club sticker and alignment tool
Placement	Portable



- Ensure that reflective surfaces such as mirrors or glass are not within the product's camera view, as this may lead to inaccurate measurements.
- The product may malfunction if it faces the sun during sunrise or sunset when the sun is near the horizon.
- Do not install or use the product in environments or locations like the following, as it may affect the accuracy of the measurements.
 - Long grass or divots (damaged turf)
 - Smooth or highly reflective surfaces
 - Around fixed objects that may obstruct the camera's view
- This product uses an infrared sensor. Using lighting that interferes with infrared signals indoors may cause the product to malfunction.

2.3.2 PC Compatibility

This product does not support Mac or Linux environments. Please refer to the recommended specifications below.

PC Environments	Required Specification	Minimum Specification
CPU	Intel i7 or higher and 10 th generation or higher	Intel i5 8400
RAM	16 GB or greater	8 GB (16 GB for Swing Optix)
GPU	NVIDIA RTX 30 series or higher	GeForce GTX 1060
GPU Memory	16 GB or greater	-
Hard Disk	At least 50 GB	-
OS	Windows 11 (64-bit only)	Windows 10 (64 bit) Version 1803 or higher

2.3.3 Golf Club Sticker Attachment

The analysis feature provided by NEO-E is available only when a sticker to the club is attached. Attaching 6 stickers allows NEO-E to collect and analyze club data information.

The types of clubs are as follows:

- Driver
- Woods
- Utilities
- Irons
- Wedges
- Putter



- Attaching the **club sticker** is required to collect data that will help improve your golf practice. However, the product can still be used without the sticker if the customer prefers not to attach it.
- The photos provided in this section are intended to explain how to attach the club sticker and are not meant to promote specific brands of golf clubs. The trademark and intellectual property rights of the club products belong to the respective manufacturers. For golf club-related inquiries, please contact the manufacturer.



- Do not attach the club sticker on or near the white decoration on the club face.
- If the club sticker becomes dirty or worn off, replace it to ensure accurate data measurement.

How to Attach a Sticker on Clubs

Driver



Iron



Putter



- 1 Position the 2 legs of the Y sticker so that they are parallel to the yellow line in the image, which indicates the club head's toe edge.
- 2 While maintaining the direction of the yellow line, move the Y sticker so that the center of the circle on the lower leg is precisely aligned horizontally (in the groove direction) with the center of the club head, then attach it.
- 3 Attach the remaining upper leg so that it conforms closely to the curved outer surface of the club head.

- 1 For putters, the method of attaching the sticker to the toe edge line is the same.
- 2 Position the lower arm of the Y sticker on the toe edge line (Yellow) of the club head, and the upper arm on the top edge line (Yellow) of the club head.
- 3 While maintaining the direction of the toe edge line, move the Y sticker so that the lower arm is positioned at the center of the club head, and then attach it.
- 4 The straight line extended horizontally from the center of the circle on the lower arm (in the groove direction of the club face) must pass through the center of the club head. Attach the remaining arm so that it closely follows the curved contour of the club head and adheres firmly to the top surface of the club head.

2.3.4 Reference Documents

The QR codes and URLs related to NEO-E are as follows:

Document	QR Code	URL
NEO-E Quick Start Guide		https://qrfy.io/p/qBX0iWScNI
N-Bridge User Manual		https://qrfy.io/r/LK9T_uBNNA
N-Bridge OneStop Settings Guide		https://qrfy.io/r/i0QqmNu_BM
MURLIE User Manual		https://qrfy.io/r/1jkeZu8nn_

2.4 Operating Method

2.4.1 Power

Press and hold the power button on the back of the product for more than 5 seconds. When the product is on, pressing the button will turn it off, and vice versa.



2.4.2 LED Status

NEO-E is equipped with LEDs on both the front and rear. This section explains the operation of each LED.

Front

Status	Color	Operation	Description
Power on	Red	Increasing brightness	The brightness gradually increases until the product shuts down.
Power off	Red	Increasing brightness	The brightness gradually increases until the product shuts down.
Ball search	Red / Orange	Blinking	The displayed color differs between Putt and Shot modes. • Putt: Orange • Shot: Red
Checking ball placement	Green	Stable	-
Checking shot recognition	Blue	Blinking	-
Low battery	Orange	Blinking	• When the battery reaches 15% and 10%, the sensor temporarily stops after the Low Battery message pops up. Connecting the charger or touching the LCD returns the device to normal operation.
Updating firmware	White	Blinking	-
Setting menu in operation.	White	Stable	-

Rear

When the power is connected, the orange LED briefly lights up to indicate the product's status.

Status	Color	Operation	Description
Charging	Red	Stable	The LED operates even when the power is off.
Fully charged	Green	Stable	
Error	Orange	Stable	

2.4.3 Product Charging / Battery Operating Time

The product operates wirelessly for user convenience. When the battery is drained, connect the provided adaptor to the power port on the back of the product to supply power.



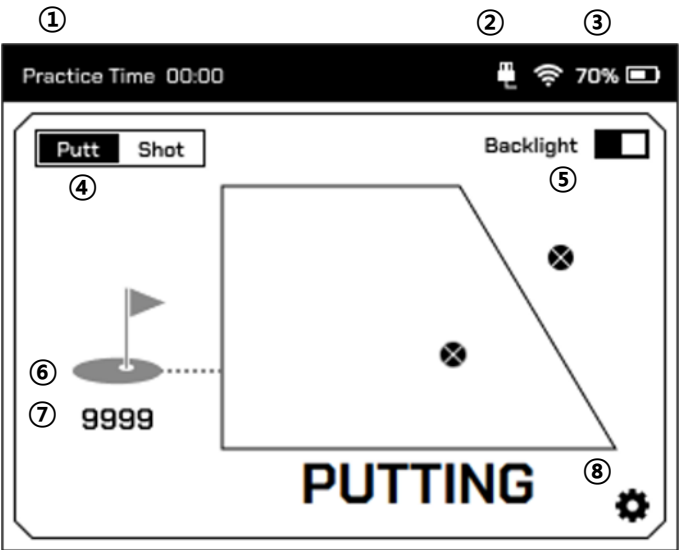
The power supply specifications are as follows:

Item	Specification
Rating (Adaptor)	24V DC / 3.75A
Rating (Device)	24V DC / 3A
Battery operating time	5 hours or longer
Battery capacity	64W
Battery consumption rate	10W on average

NVISAGE TECH NOLO GIES

3.1 Practice Mode

When the product is powered on, the first screen displayed is the **Practice Mode**. In this mode, the device indicates the state before recognizing the ball. Once the ball is recognized, the screen automatically switches to display **Shot Information**. Users can conveniently access various functions by touching the key icons or other settings menus displayed on the screen.

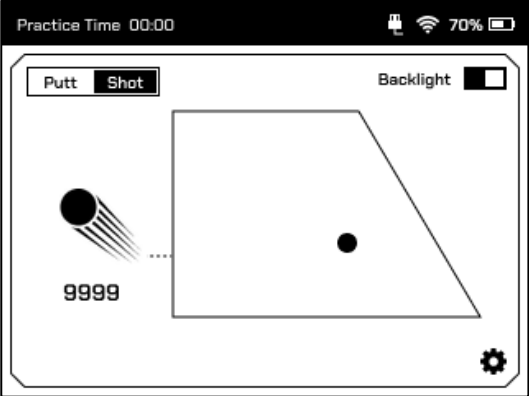
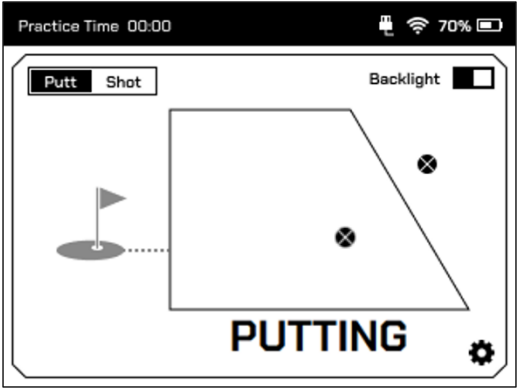


Practice Mode

No.	Description
Practice Time	
①	It is displayed in the format hh:mm (hour: minute), with the default state set to 00:00.
②	Connection status: Wi-Fi  and Ethernet 
③	Battery Status
④	PUTT/ SHOT menus (Default: SHOT)
⑤	backlight On/Off button
⑥	Target Alignment settings
Number of Shot Recognitions (Default: 0 / Maximum: 9999)	
⑦	The number of recognized shots since the power was turned on. It resets to zero when the power is turned off.
⑧	Moves to the Setting screen.

3.1.1 Ball Recognition

If one ball is detected, it is displayed as ● ; if 2 balls are detected, it is displayed as ⊗ .

Screen image (for right-handed golfer)	Description
	When the ball is placed, a ball icon will appear at the location. • When the ball is in the Ready Zone, the target icon will be displayed in black. • If the ball position changes, the icon will move to the new location.
	If more than one ball is recognized, an X will be displayed on the balls (up to 8 balls can be recognized).
	If the ball remains in the "Ready" state without any activity for more than 10 minutes, it will switch to Sleep Mode. Touching the screen will resume operation.



- Accurate data can be acquired when the ball is placed in the center of the Ready Zone.

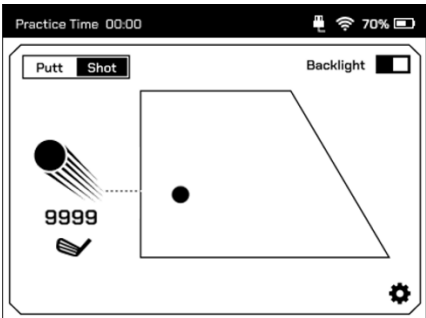
Specified Ball Type

The NVISAGE products deliver optimal performance when used with premium balls. Premium balls enhance the accuracy of the data measurement and recognition.

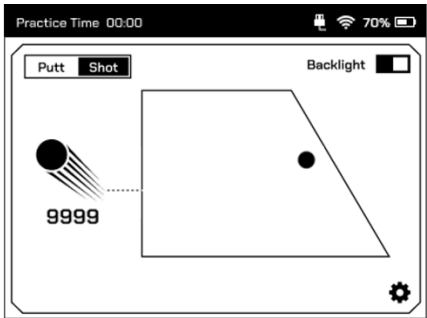
Recommended	Not Recommended
	
• Premium ball with logos	• White balls without logo • Colored balls • Balls with worn dimples

3.1.2 Club Data Measurement

The club data can be measured with the ball in Ready Zone. To maximize the accuracy of the club data, make sure that the club sticker is properly attached, and place the ball where the Club icon is displayed before hitting the shot.



<The Club icon is displayed>

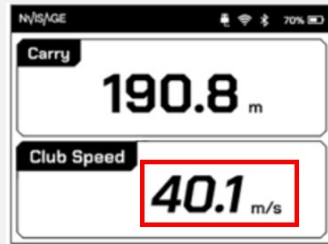


<The Club icon is not displayed>



- The displayed Club icon indicates that the ball is in the location where the club data can be accurately measured.
- In the Ready zone, ball data can be measured regardless of whether the Club icon is displayed.
 - If the club sticker is improperly attached or a shot is made with the ball in a position where the Club icon is not displayed, some club data that may be

affected by the measurement is indicated in italic text as shown below:



3.1.3 Shot Data

After placing the ball within the recognition range (Ready Zone) and completing the shot, the data will be displayed as shown below. To customize the displayed data, refer to <3.2.2 Screen Settings> for instructions on setting up the shot display.

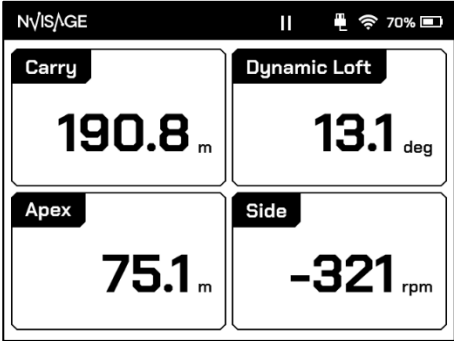
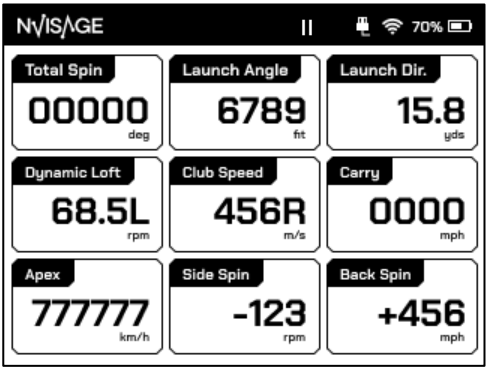
Category	Terminology	Description	Unit	Note
Launch	Carry Distance	The distance between the ball's starting point and the first point where the ball lands on the ground.	m, yards	-
	Total Distance	The distance between the ball's starting point and the point where the ball stops.	m, yards	-
	Run Distance	The distance between the first point where the ball lands and the point where the ball stops.	m, yards	-
	Side Distance	The carry point where the ball lands to the left or right of the target line.	m, yards	+ : Right - : Left
	Side Total	The point where the ball stops to the left or right of the target line.	m, yards	+ : Right - : Left
	Apex	The maximum height of the ball's trajectory.	m, ft	-
	Apex Distance	The distance on the ground when the ball reaches its maximum height	m, yards	-
	Flight Time	The flight time until the ball first hits the ground.	second	-
	Flight Type	The flight path of the ball.	-	-
	Landing Angle	The angle of incidence of the ball when it first hits the ground.	deg	-
Club	Club Speed	The clubhead's speed just before impact.	km/h, m/s, mph	-
	Club Path	The direction of the clubhead's movement immediately before impact (relative to the target line).	deg	[For right-handed golfer] • In-to-Out: Right • Out-to-In: Left [For left-handed golfer]

			• In-to-Out: Left • Out-to-In: Right
	Attack Angle	The upward/downward movement angle of the clubhead immediately before impact.	deg + : Upward - : Downward
	Face Angle	The direction the clubface is pointing relative to the target line at impact.	deg [For right-handed golfer] • Open: Right • Closed: Left [For left-handed golfer] • Open: Left • Closed: Right
	Dynamic Loft	The vertical angle of the clubface at impact.	deg -
	Face to Path	The difference between the face angle and the club path.	deg -
	Horizontal Impact	The horizontal position where the ball contacts the clubface at impact. The vertical center of the toe edge is defined as the origin.	mm Attach according to the club sticker placement guide. +: Heel side -: Toe side
	Vertical Impact	The vertical position where the ball contacts the clubface at impact. The vertical center of the toe edge is defined as the origin.	mm Attach according to the club sticker placement guide. +: Below ground -: Above ground
	Smash Factor	The ratio of ball speed to clubhead speed	- Sweet Spot Strike Efficiency
	Ball Speed	The ball speed immediately after impact.	km/h, m/s, - mph
	Launch Angle	The launch angle (angle at which the ball leaves the ground).	- deg
Ball	Launch Direction	The horizontal angle of the ball relative to the target line (measured immediately after the ball leaves the clubface).	- deg
	Total Spin (Spin Rate)	The spin amount immediately after impact (around the spin axis).	rpm -
	Spin Axis	The angle between the ball's rotation axis and the horizontal plane.	deg -
	Side Spin	The side spin of the ball.	rpm -
	Back Spin	The backspin of the ball.	rpm -

Data is provided in the following situations:

- Immediately after shot recognition.
- When no action is taken while previous shot data exists.

Even if previously saved data exists, shot data will be displayed according to the Customize settings.

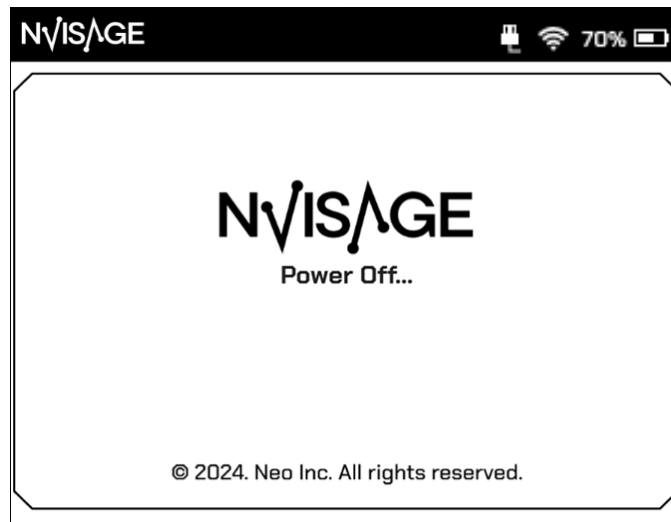
Shot Screen	Description
	• Immediately after shot recognition ▫ When you briefly touch the screen while shot data is being displayed, a pause button appears on the status bar, and the screen transition stops. ▫ When you briefly touch the screen again, the pause button disappears and the screen transition resumes. ▫ When you touch and hold the screen, it returns to the home screen. ▫ When a golf ball is detected, it returns to the home screen.
	• A screen shot when the previous shot data exists.
• Touch PUTT on the screen to select it, and related data will be provided. • When PUTT is deselected, Driver, Utility, Iron, and Wedge will all be recognized.	

3.1.4 Sleep Mode

- If the device is not used for 30 minutes while powered on, it will enter Sleep Mode.
- Sleep mode is deactivated when the screen is touched, and the Practice mode screen will appear.
- Even in Sleep Mode, practice time data will continue to accumulate.



- Once the Sleep Mode is activated, the power goes off 60 minutes later.



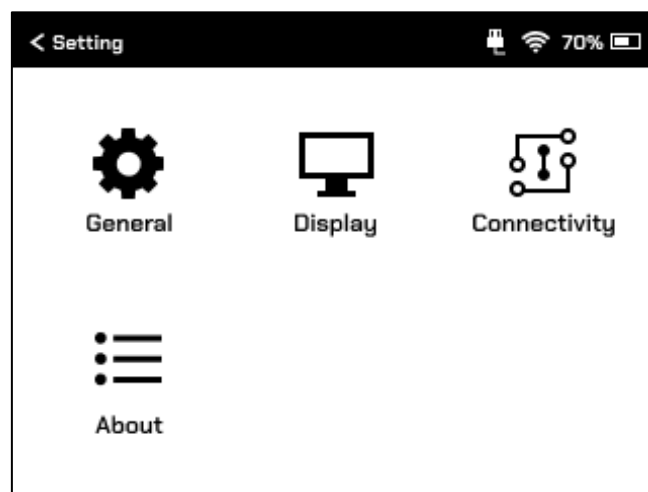
3.2 Main Features

This section explains the method of setting each feature.

Main Feature	Setting Method
General Settings	• Updating firmware • Aligning target line • Resetting settings • Setting parameter values • Setting left-handed or right-handed preference
Screen Settings	• Adjusting the brightness of LED and text • Customizing shot data displayed on the screen • Setting shot data units • Setting Sleeping Mode or shutdown
Connection Settings	• Setting Wi-Fi • Setting ethernet
Other Settings	• Manual • Device Information • Sensor Information • Manufacturer Information

Tips for Using Go Back button

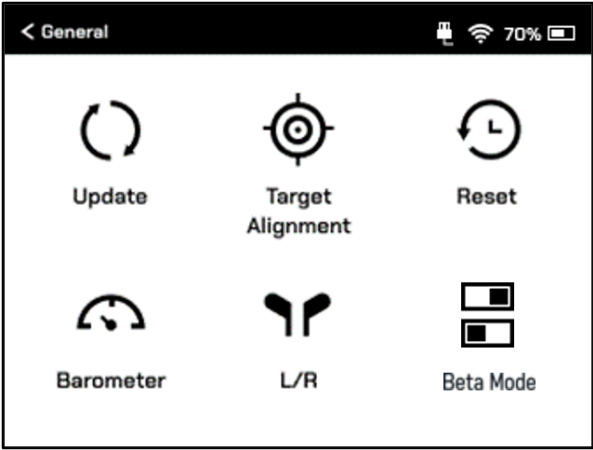
- To move to the previous screen, touch the Go Back icon (◀) briefly.
- To move to the main screen, press and hold the Go Back icon (◀).



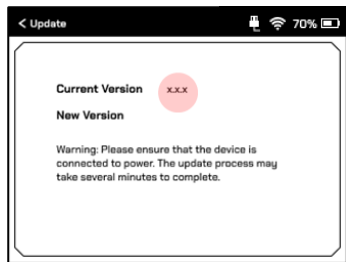
3.2.1 General Settings

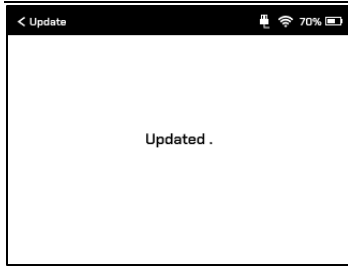
Updating Firmware

The product firmware can be updated via USB. It can also be updated through the N-Bridge program using a Wi-Fi or LAN cable connection.



Press the General icon, then the Update icon in the Setting screen as shown below:

Screen	Description
	• Displays the current firmware version.
	• Displays the update version on the connected USB. ▫ If the USB is properly connected, the New Version will be displayed. ▫ Use the FAT32-formatted USB. ▫ If the new version is not displayed, please check the USB connection again.
	• A power connection is required for a stable update. ▫ When the power is connected, the Update button will be displayed. ▫ If the Update button does not appear, please check the power connection again.



- When the Update button is pressed, the update will begin.
 - Do not disconnect the charging cable.
 - Do not restart.
 - Do not operate the device



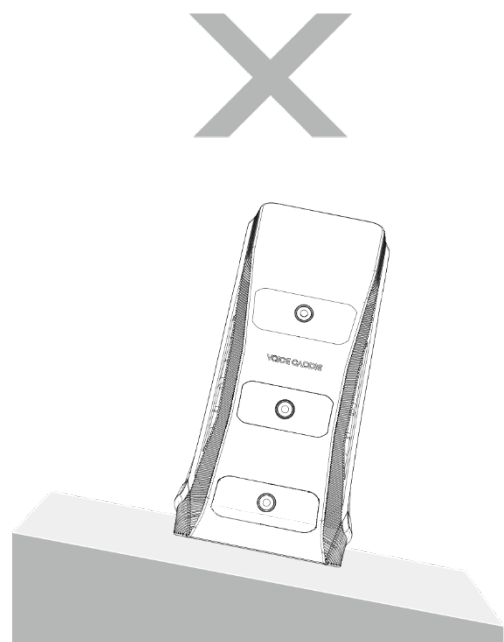
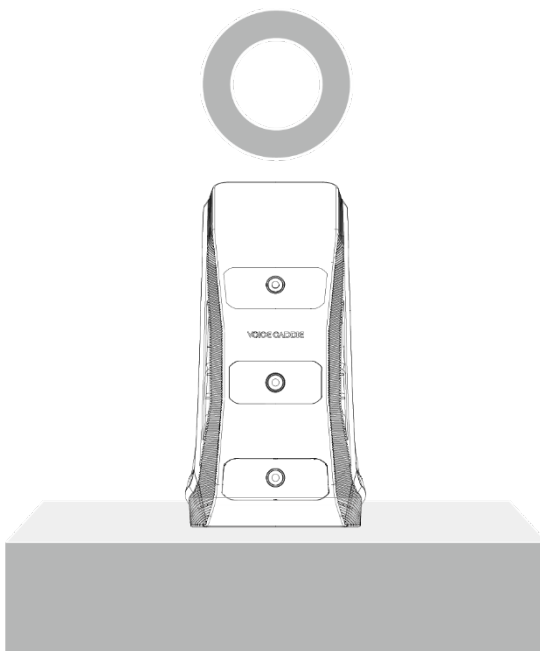
- Update is complete.
 - Once being updated, the device will automatically reboot.

Aligning Target Line

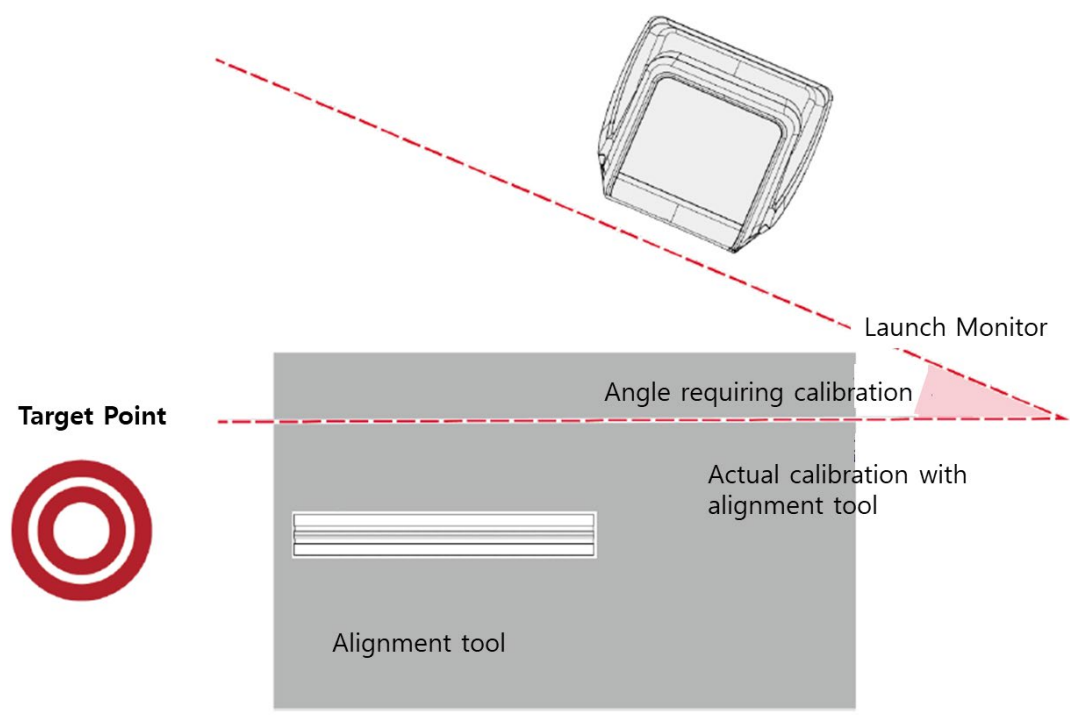
Using the alignment tool provided with the product, you can easily align the angle recognized by the device with the actual impact angle to obtain accurate measurements. This task is called alignment, and for this product, you can adjust the target alignment up to a maximum of 15°.

Proceed with the alignment process in the following order:

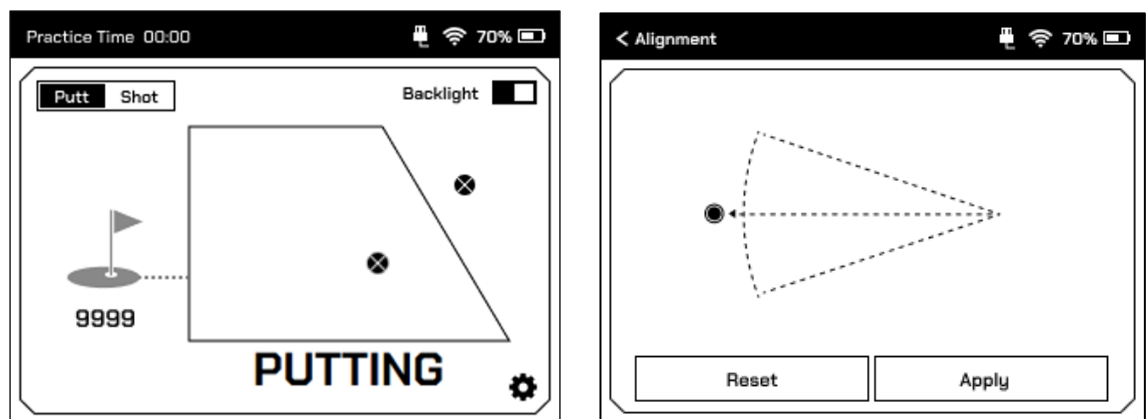
- 1 Place the product correctly on a flat surface.



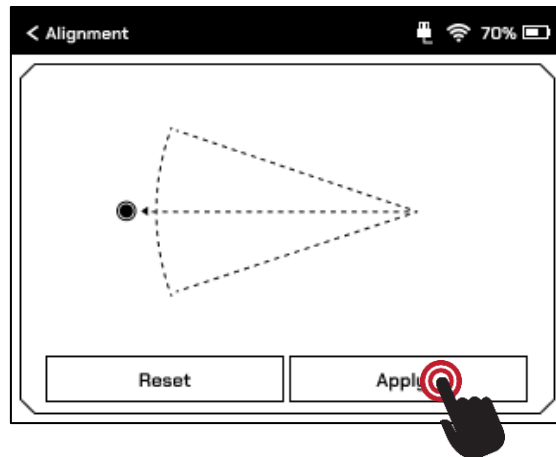
- 2 If the launch monitor is not positioned correctly, place the alignment device at the predicted impact point to accurately detect the angle of the ball and automatically correct it as follows.
- The sensor will calibrate the direction indicated by the alignment device to 0°.



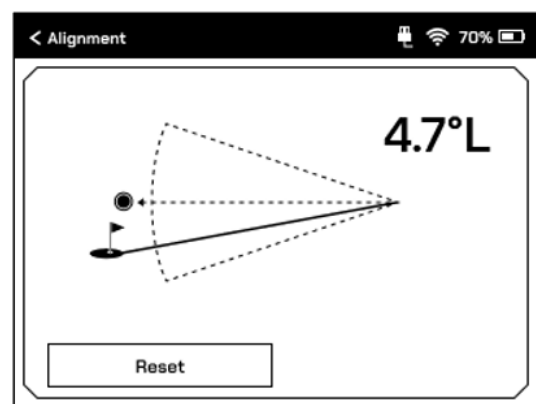
- 3 Touch the Target icon in Practice Mode. A screen for alignment will appear. Depending on the L/R settings, the direction of the target may be displayed in reverse on the screen.



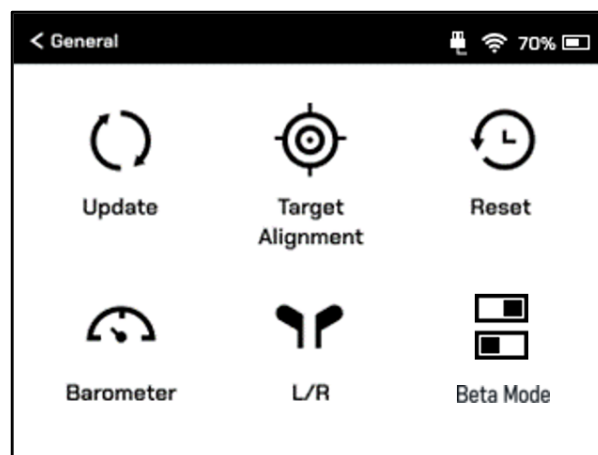
- 4 For alignment, position the alignment stick as described in step 2, then touch Apply.



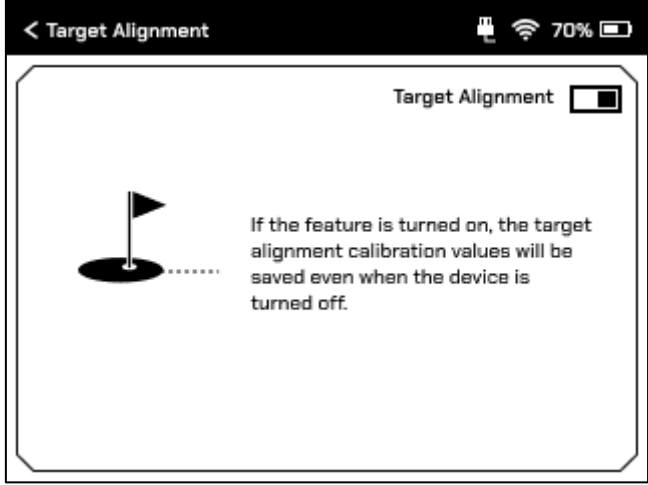
- 5 If the alignment is successful, the alignment information (angle) will be displayed in the top right corner. To keep the alignment information, touch the Back button in the top left corner to return to Practice Mode.



- 6 To perform the alignment again, touch Reset to clear the alignment information, then repeat step 3.
- 7 You can set it to preserve the alignment information even after restarting the device. To set this up, go to Setting → General and touch the Target Alignment icon.



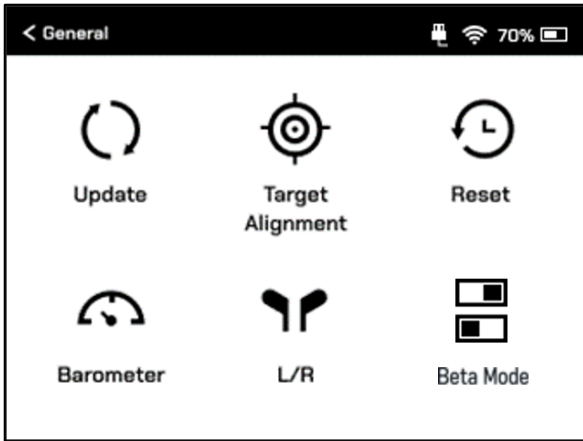
- 8 You can activate the saving of alignment information by touching the button in the top right corner.



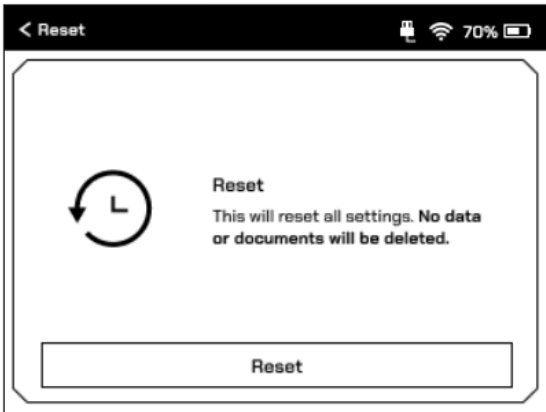
Initializing the Settings

You can reset the user-defined settings.

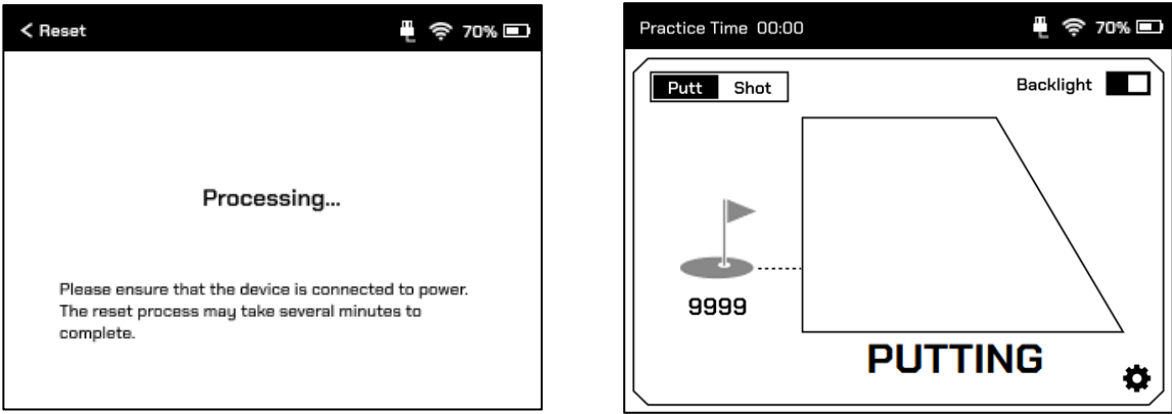
- 1 Go to Setting → General and touch the Reset icon.



- 2 Touch the Reset button. Resetting will include all user-defined values such as Target Alignment, L/R, Contrast, Custom Data, Unit, Sleep Mode, etc. Displayed shot information such as Recent Shot Results and Shot Count will be reset. This action cannot be undone, and a confirmation screen will appear to verify the reset.

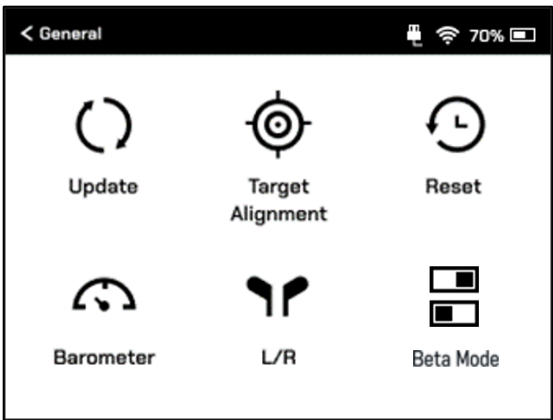


- 3 Once the reset is complete, it will automatically switch to Practice Mode.

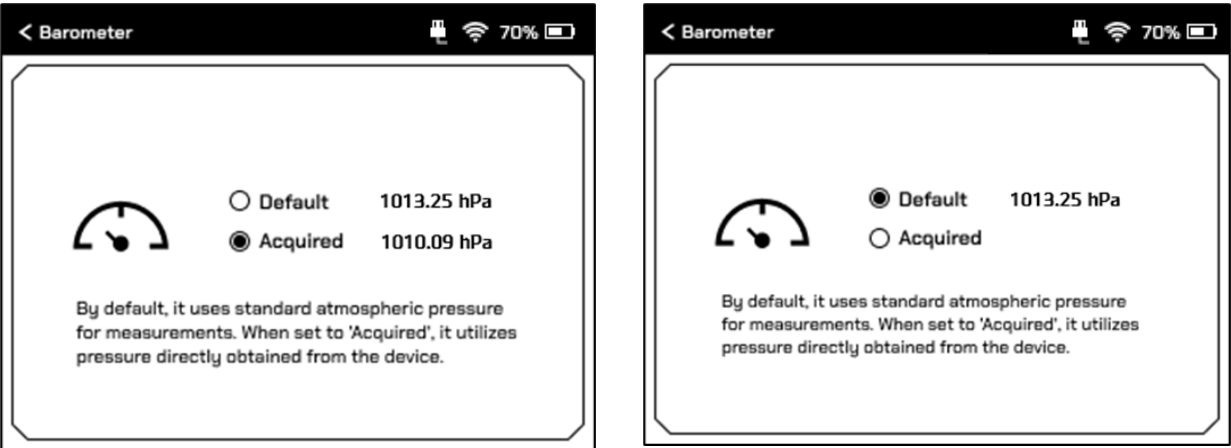


Setting Barometer Values

- 1 Go to Setting → General and select the Barometer icon.



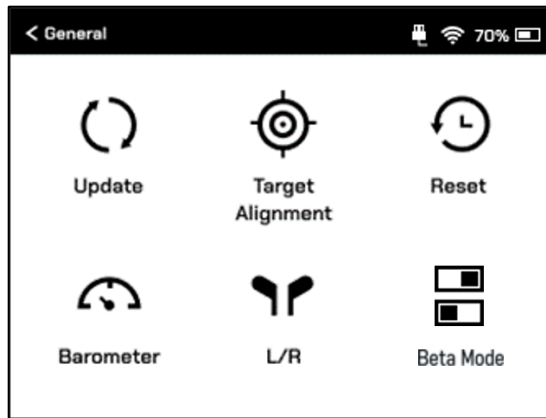
- 2 The default value is set to standard atmospheric pressure. To measure the actual atmospheric pressure with the device, touch the Acquired icon.



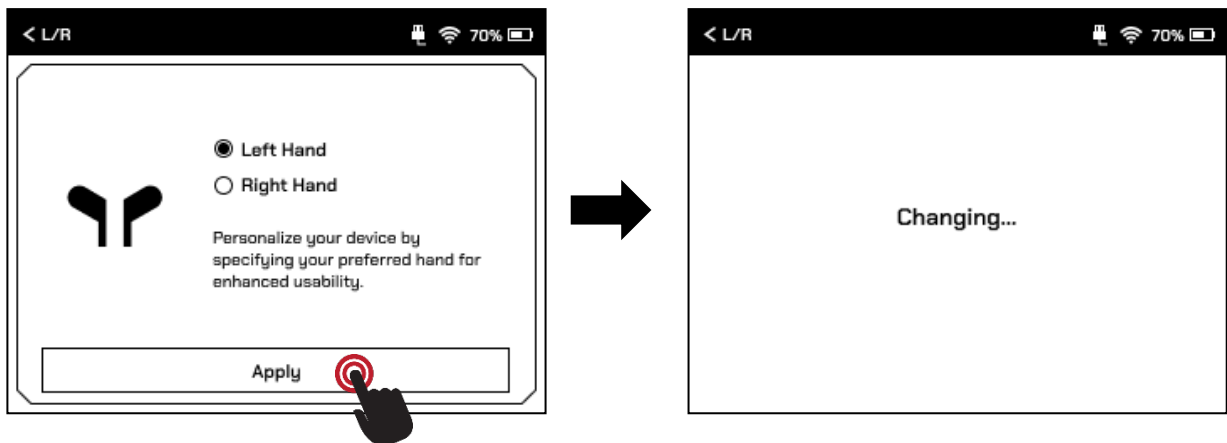
Setting Left/Right-Handed Mode

You can change the setting based on your dominant hand.

- 1 Go to Setting → General and touch the L/R icon.



- 2 If you are right-handed, check "Right Hand," and if you are left-handed, check "Left Hand." Touch the Apply button to apply the setting, which will take approximately 10 seconds.

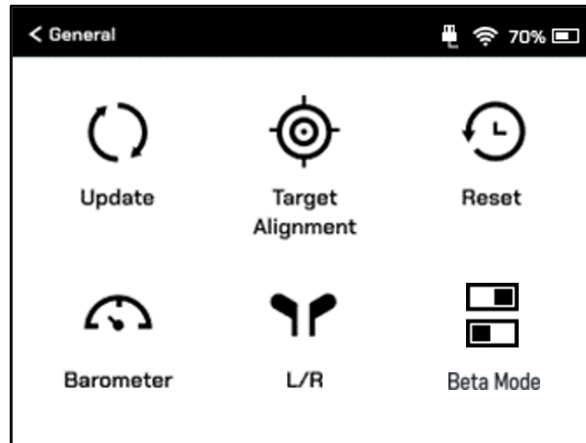


- 3 Once the setting is applied, the device will automatically switch to Practice Mode. Each time the setting is changed, the Ready Zone in Practice Mode will be adjusted accordingly.



Beta Mode

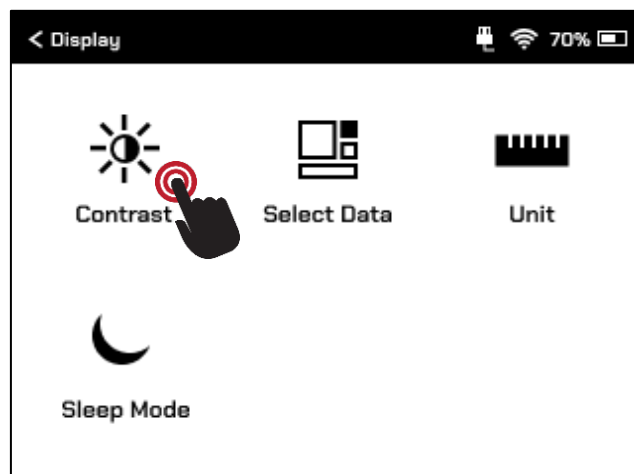
Beta Mode is an experimental feature provided prior to its official release. The feature is continuously being improved and may be changed or discontinued without prior notice. Some features may not function as expected or may be unstable. If you encounter any issues or have suggestions for improvement while using it, please let us know. Your feedback will be actively considered for future updates.



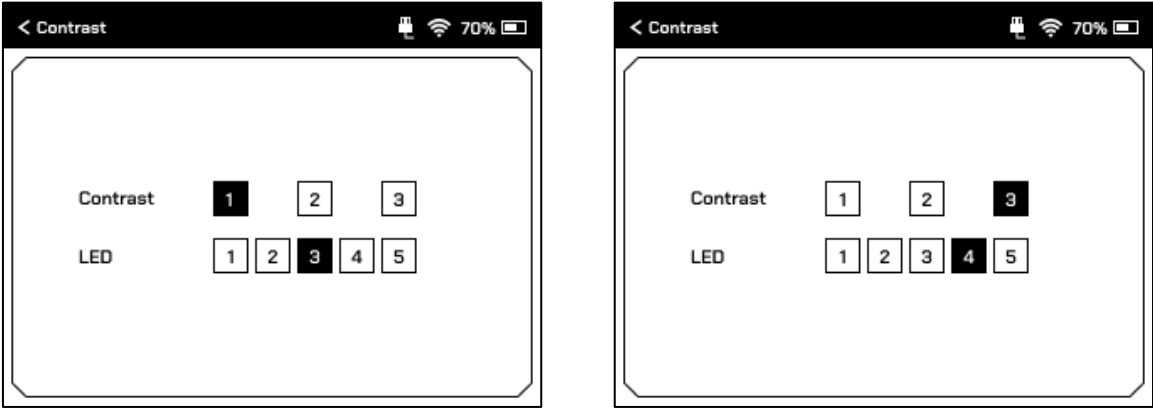
3.2.2 Screen Settings

Adjusting LED Brightness and Text Brightness

1 To adjust the LED brightness and text brightness of the product, go to Setting → Display and touch Contrast.

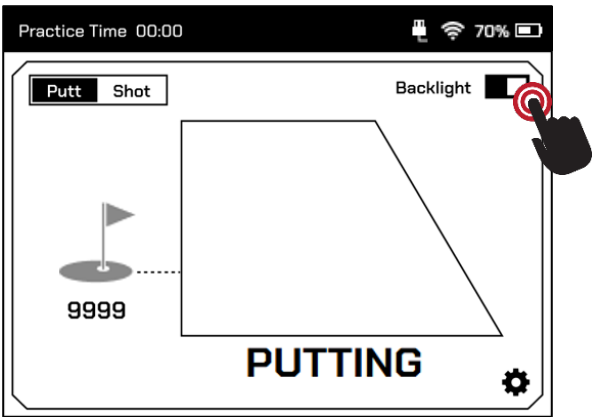


2 In the screen below, you can select the desired values to adjust the LED brightness and text brightness. The default values are Contrast: 1 and LED: 3.



Item	Description
Contrast	The menu for adjusting text brightness: The higher the number, the darker the text appears.
LED	The menu for adjusting the device's LED brightness: The higher the number, the brighter the LED appears.

3 To turn the screen light on or off, touch the backlight button in the top right corner of Practice Mode.



Customizing the Shot Data Displayed on the Screen

The number and types of shot data displayed on the screen can be selected and set by the user. Please refer to the table below for the available data information.

Category	Terminology	Description	Unit	Note
Launch	Carry Distance	The distance between the ball's starting point and the first point where the ball lands on the ground.	m, yards	-
	Total Distance	The distance between the ball's starting point and the point where the ball stops.	m, yards	-
	Run Distance	The distance between the first point where the ball lands and the point where the ball stops.	m, yards	-
	Side Distance	The carry point where the ball lands to the left or right of the target line.	m, yards	+ : Right - : Left

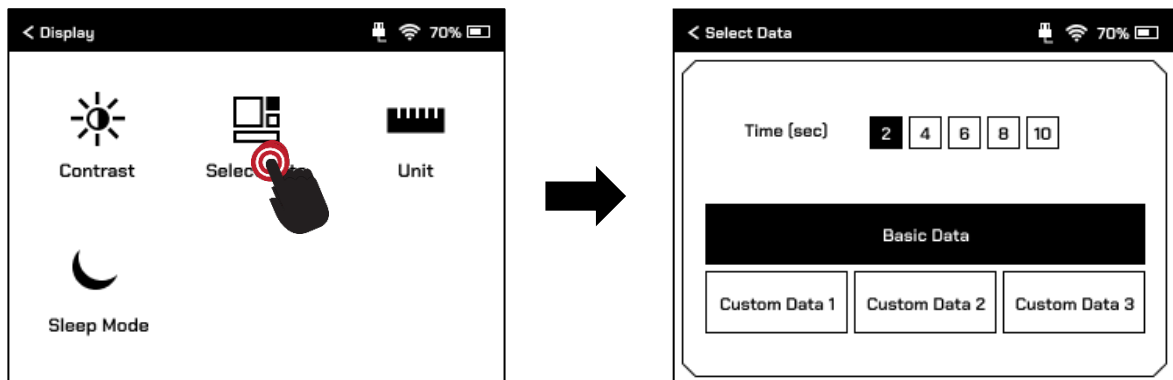
Club	Side Total	The point where the ball stops to the left or right of the target line	m, yards	+ : Right - : Left
	Apex	The maximum height of the ball's trajectory.	m, ft	-
	Apex Distance	The distance on the ground when the ball reaches its maximum height	m, yards	-
	Flight Time	The flight time until the ball first hits the ground.	sec	-
	Flight Type	The flight path of the ball.	-	-
	Landing Angle	The angle of incidence of the ball when it first hits the ground.	deg	-
	Club Speed	The clubhead's speed just before impact.	km/h, m/s, mph	-
	Club Path	The direction of the clubhead's movement immediately before impact (relative to the target line).	deg	[For right-handed golfer] In-to-Out: Right Out-to-In: Left [For left-handed golfer] In-to-Out: Left Out-to-In: Right
	Attack Angle	The upward/downward movement angle of the clubhead immediately before impact.	deg	+ : Upward - : Downward
	Face Angle	The direction the clubface is pointing relative to the target line at impact.	deg	[For right-handed golfer] Open: Right Closed: Left [For left-handed golfer] Open: Left Closed: Right
	Dynamic Loft	The vertical angle of the clubface at impact.	deg	-
	Face to Path	The difference between the face angle and the club path.	deg	-
	Horizontal Impact	The horizontal position where the ball contacts the clubface at impact. The vertical center of the toe edge is defined as the origin.	mm	Attach according to the club sticker placement guide. +: Heel side -: Toe side
	Vertical Impact	The vertical position where the ball contacts the clubface at impact. The vertical center of the toe edge is defined as the origin.	mm	Attach according to the club sticker placement guide. +: Below ground -: Above ground

Ball	Smash Factor	The ratio of ball speed to clubhead speed	-	Sweet Spot Strike Efficiency
	Ball Speed	The ball speed immediately after impact.	km/h, m/s, - mph	
	Launch Angle	The launch angle (angle at which the ball leaves the ground).	- deg	
	Launch Direction	The horizontal angle of the ball relative to the target line (measured immediately after the ball leaves the clubface).	- deg	
	Total Spin (Spin Rate)	The spin amount immediately after impact (around the spin axis).	rpm	-
	Spin Axis	The angle between the ball's rotation axis and the horizontal plane.	deg	-
	Side Spin	The side spin of the ball.	rpm	-
	Back Spin	The backspin of the ball.	rpm	-

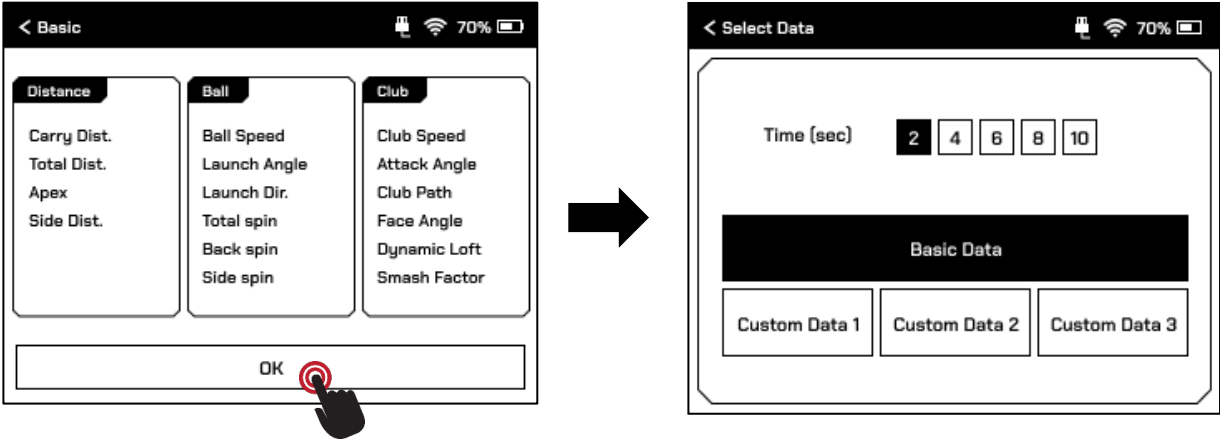


- When clicking the back button on the Page and Basic screens below, the "return to the home screen" function does not work; it only goes back to the previous screen.

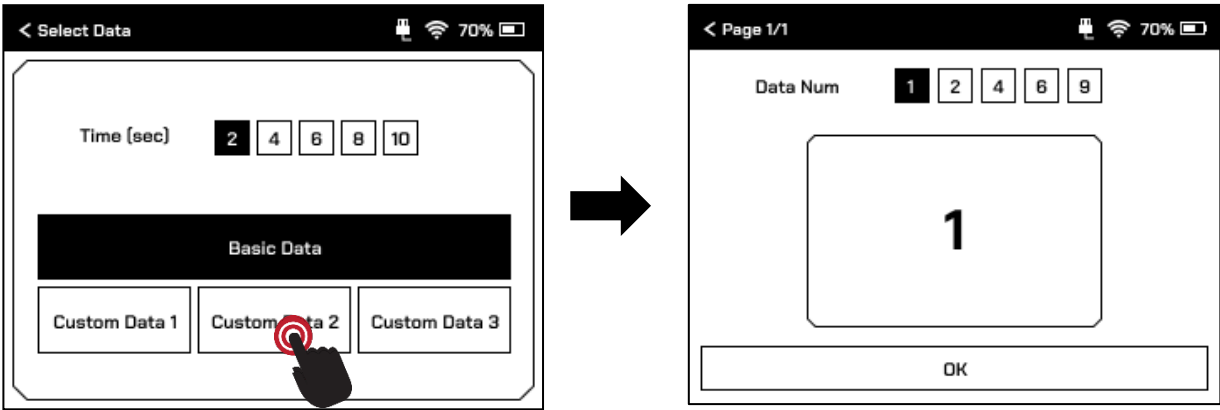
1 Go to Setting → Display and touch the Select Data icon.



2 The default value on the Select Data screen is Basic Data. When you touch the corresponding icon, a screen like the one below will appear. Data from the Distance, Ball, and Club categories will be displayed across three pages. The display time per page can be selected in 2-second intervals, ranging from 2 to 10 seconds, through the Time button in Data Select. Touching the Ok icon will switch to the Select Data screen, and the settings will be applied.

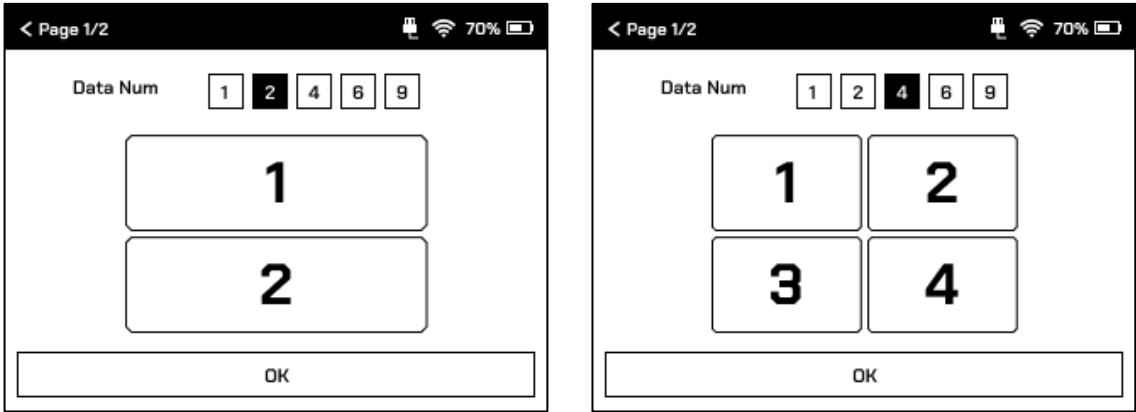


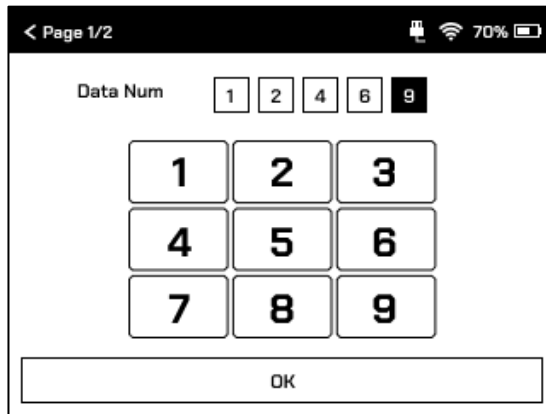
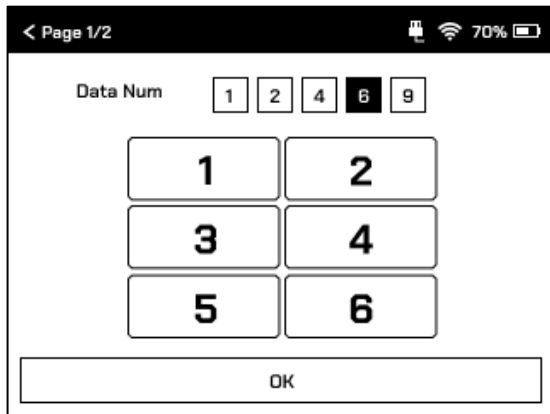
3 The Custom Data 1, 2, and 3 icons on the Select Data screen represent the total number of pages for viewing data. By touching each icon, you can select the data for each page.



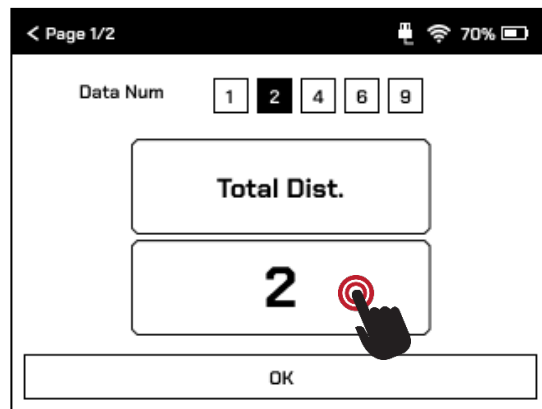
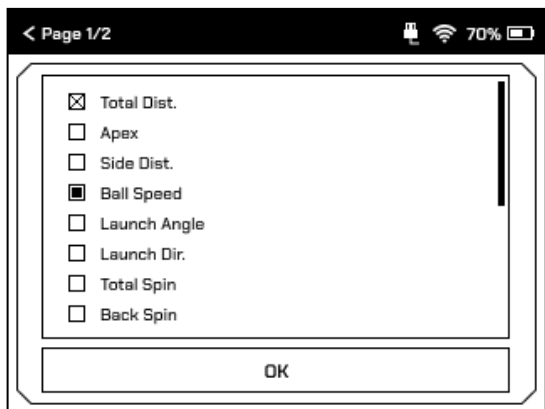
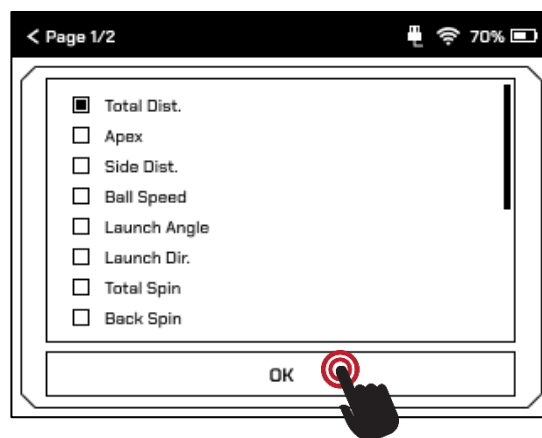
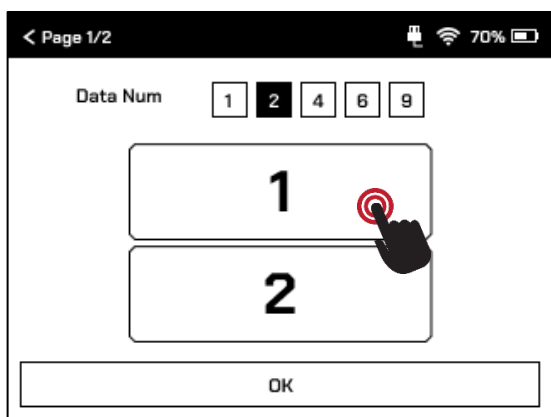
- Custom Data 1: The output data consists of a single page.
- Custom Data 2: The output data consists of 2 pages.
- Custom Data 3: The output data consists of 3 pages.

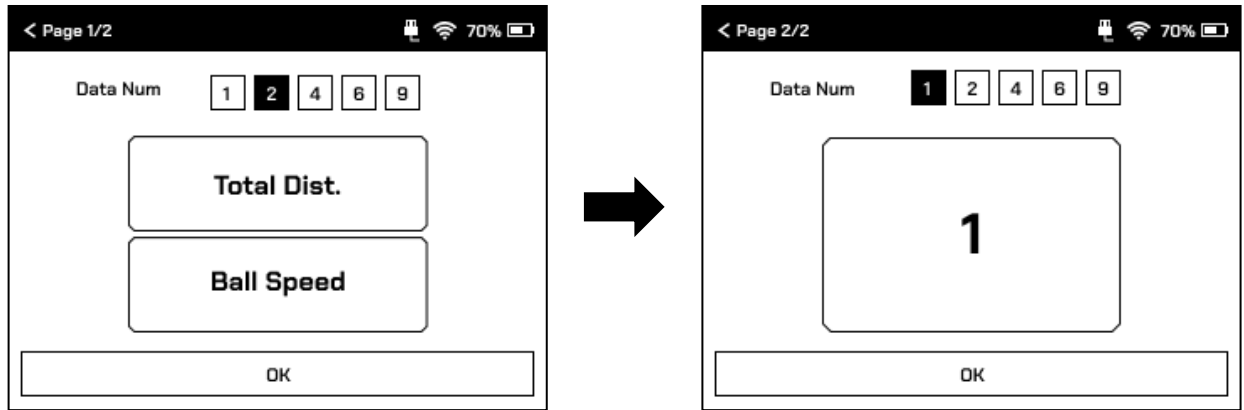
4 Touch the Data Num button to select the number of data items you want to display on the current page.



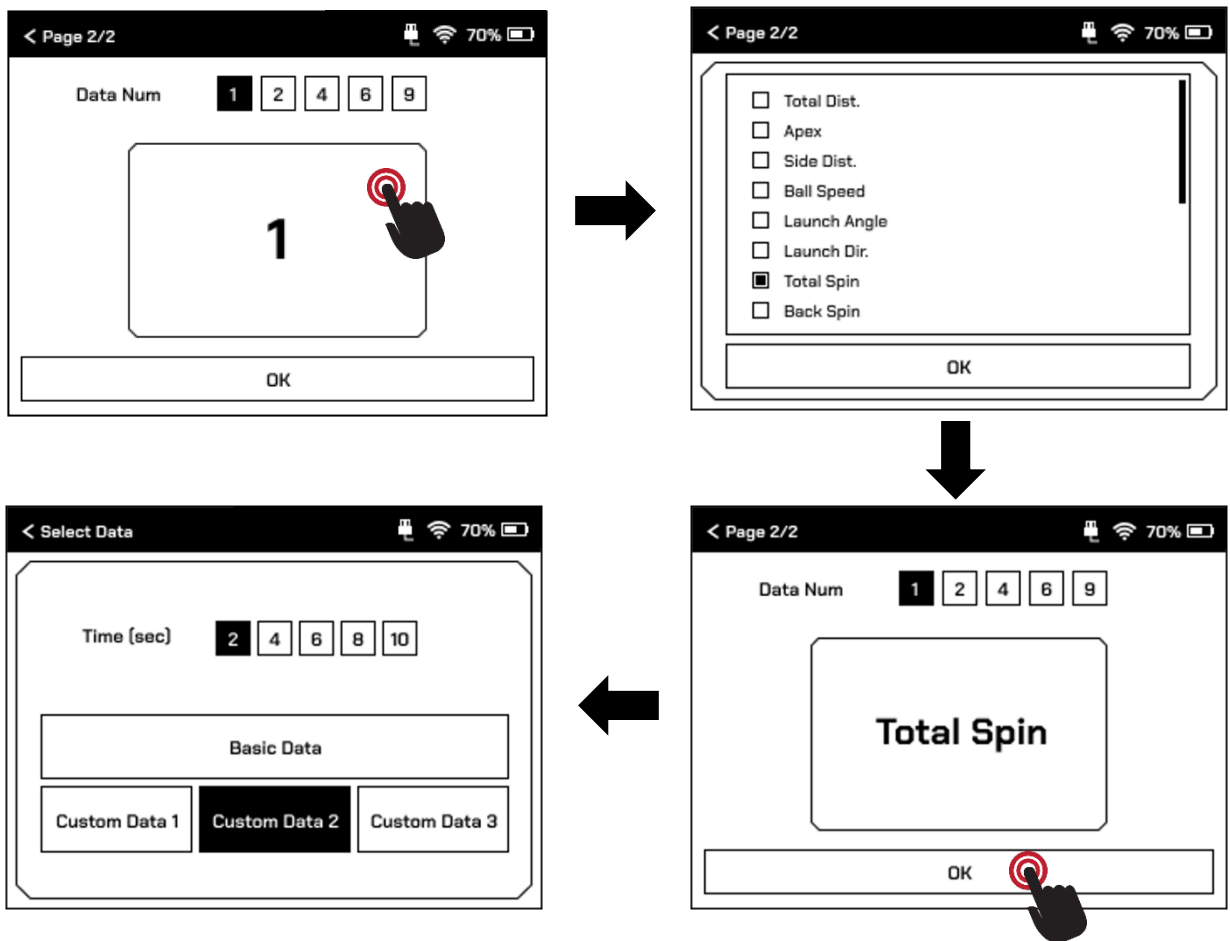


- 5 Touch each data box to select the data you want to display. The selected data will be marked with a check (☑), and data that has already been selected on the same page will be marked as unavailable (⊗). After all data on the page is selected, touch the OK button to proceed with selecting data for the next page.





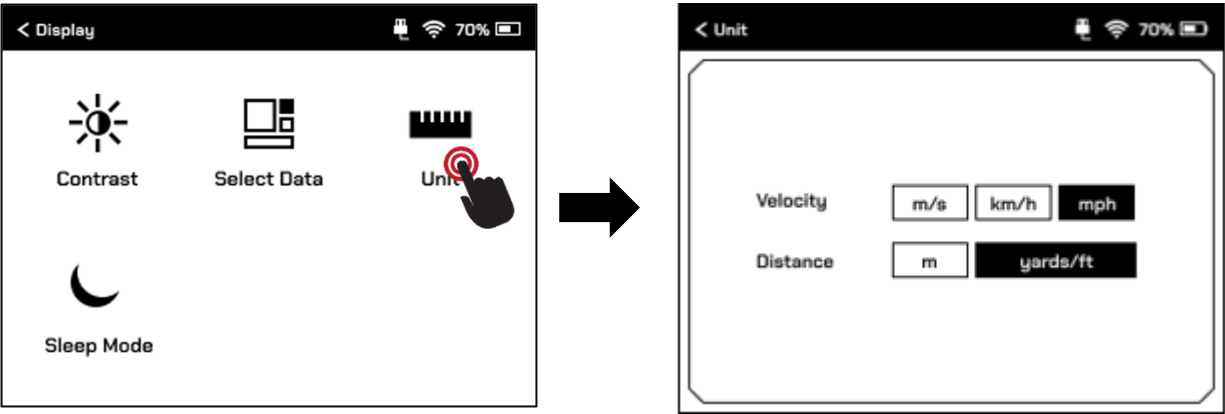
6 Once data selection is complete on the last page, you can touch the OK button to finalize the settings.



Setting Shot Data Unit

You can display the shot data in the unit preferred by the user.

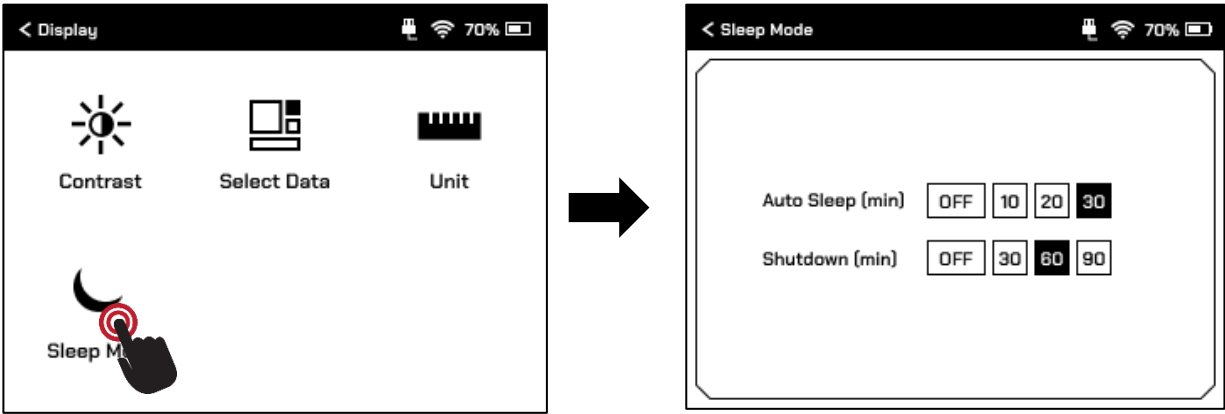
1 Go to Settings→Display and touch Unit to determine the unit of speed and distance.



Category	Default	Description
Velocity	mph	A menu to set the speed units for the ball or club. • mph: mile per hour • m/s: meter per second • km/h: kilometer per hour Applied items: Ball Speed, Club Speed
Distance	yards/ft	A menu to set the units for distance and height. • yards: Units related to distance • ft(feet): Units related to height • m(meter): Units related to distance and height. Distance applied items: Carry, Total, Side, Run, Side, Apex Distance, and Side Total Height applied item: Apex

Sleep Mode or Shutdown

To reduce unnecessary power consumption and allow users to manage the device more conveniently, you can set the sleep and auto-shutdown modes. Touch Sleep Mode on the Setting → Display screen.



- If the ball remains in the ready state for 10 minutes in Practice Mode, the device will enter Sleep Mode regardless of the Auto Sleep setting.
- If the device is not used during the Shutdown setting time, it will automatically power off.

3.2.3 Connection Settings

NEO-E connects to various devices using the following methods:

- Wi-Fi: Connection to the internet and dedicated software
- Ethernet: Connection to a PC and dedicated software

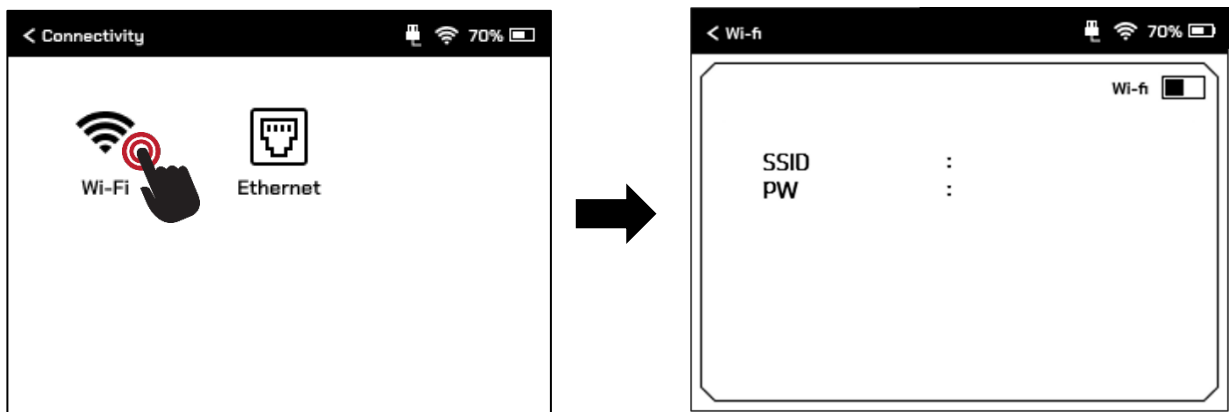


- Bluetooth will be available in the future.

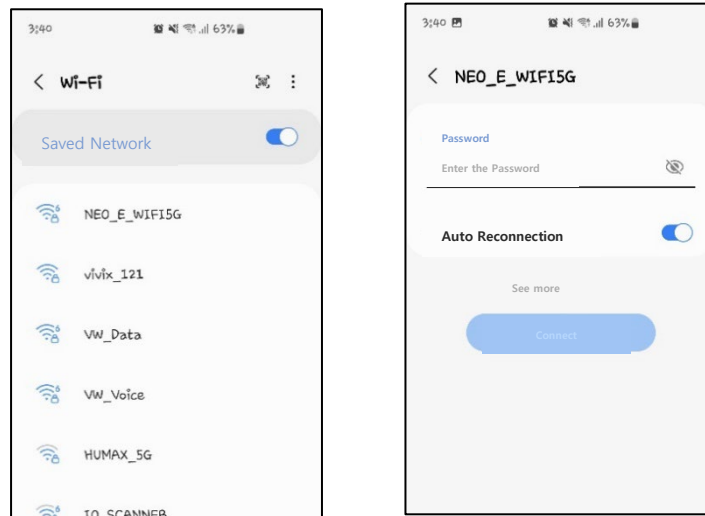
Connecting via Wi-Fi

You can connect via Wi-Fi to link the NEO-E product with the user's PC and smartphone.

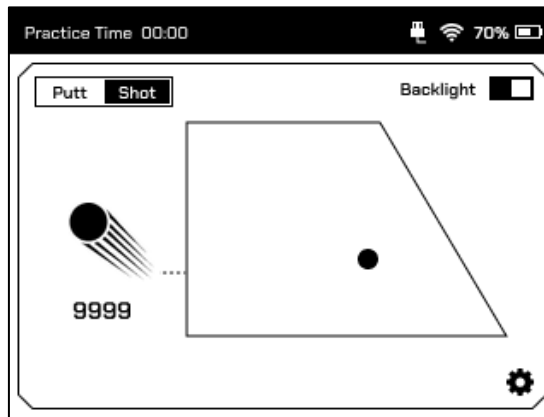
- 1 Go to Setting→ Connectivity and touch Wi-Fi to turn on.



- 2 In the settings of the smartphone, go to the Wi-Fi menu and select the NEO-E device. When the pairing request screen appears, enter the PW displayed on the product screen.

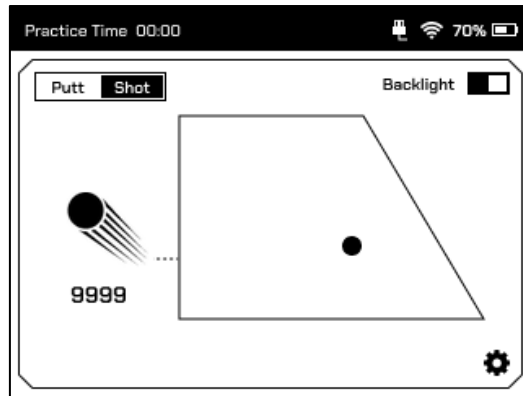


- 3 Once connected, the icon  will appear in the top right corner of the Practice Mode screen.

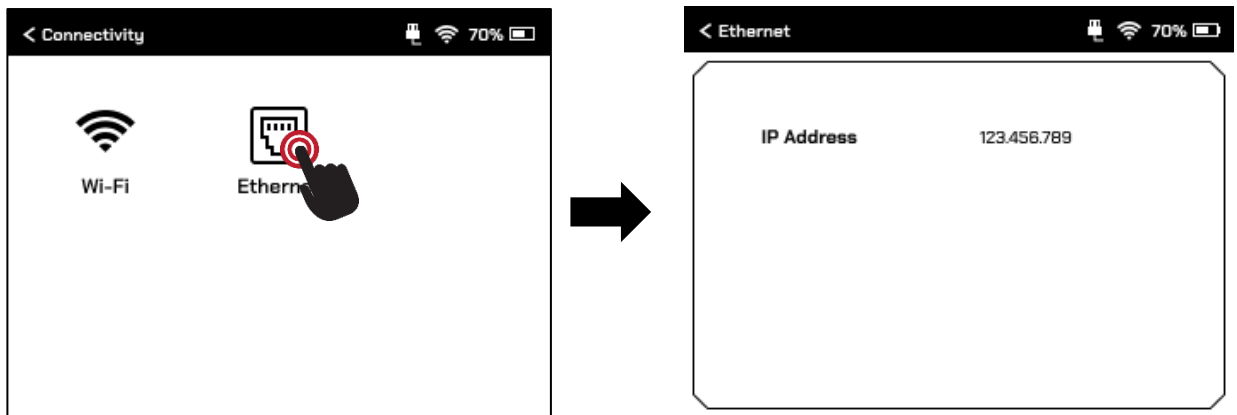


Connecting via Ethernet

- 1 Connect an Ethernet-compatible cable to the Ethernet port on the back of the product. Then, check if the connection indicator  appears correctly in the top right corner of the product screen.



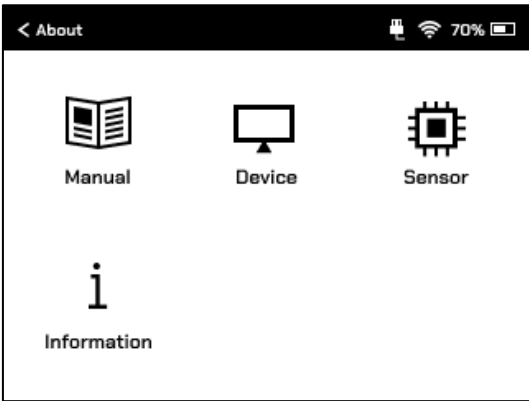
- 2 Go to Settings → Connectivity and touch the Ethernet icon to check the IP address.



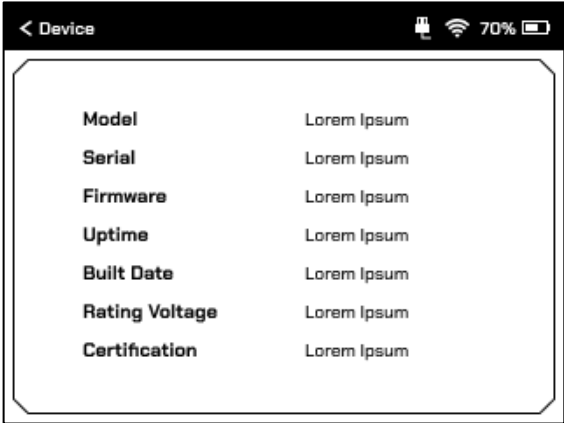
3.2.4 Other Settings

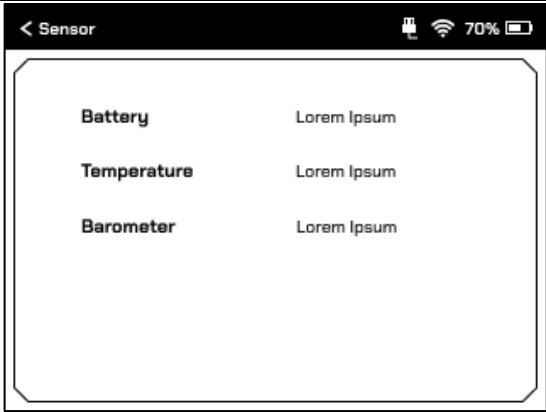
Information

Go to Settings → About and touch the Information icon to see the information on the device and sensor.

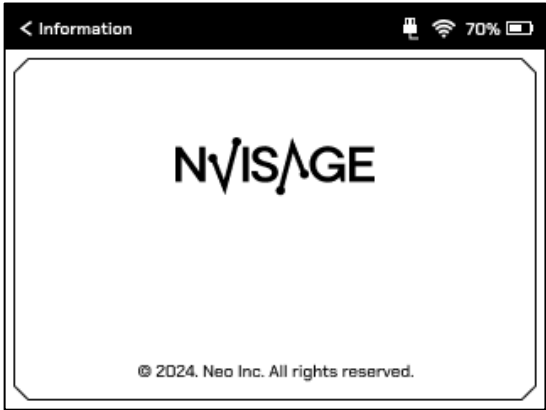


The functions of each menu are as follows:

Screen Image	Description
	QR code When the code is recognized, it will redirect to the web manual page.
	Device Information • Model name and serial number • Version • App type • Built date • Rating voltage • Certification
	Sensor Information Information about the sensor values included in the device.



- Battery
- Temperature
 - The temperature is measured based on the charging IC.
 - Temperature information is not displayed while charging.
- Barometer



Company Information

NVISAAGE TECH NOLO GIES

4.1 Troubleshooting Guide

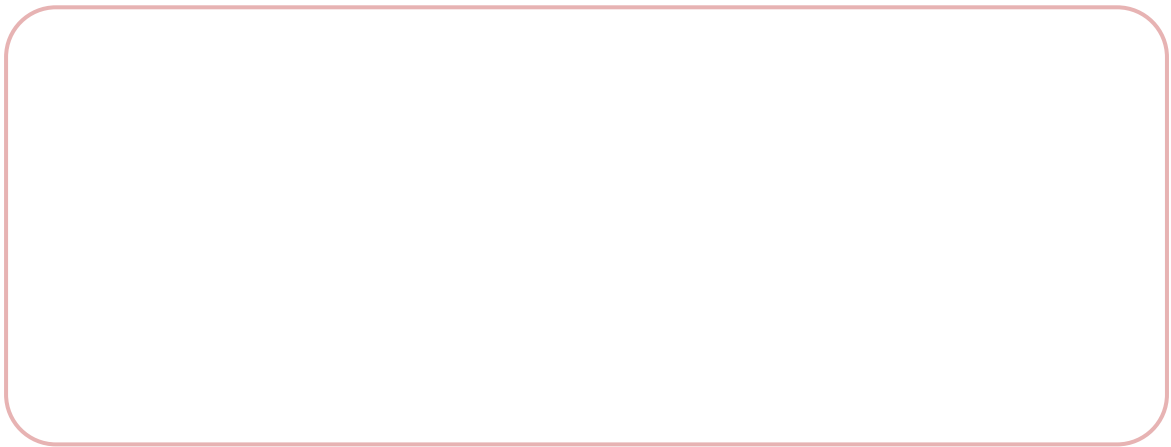
If the product does not work, please check the following:

- If the product does not turn on after pressing the power button:
 - Press and hold the power button for more than 5 seconds, then press the power button again.
 - If the product still does not turn on, connect the adapter and then press the power button.
- If nothing is displayed on the screen:
 - Check if the cables are properly connected.
 - Ensure that the power is properly supplied.
 - If the product does not turn on after pressing the power button, try connecting the adapter first.
- If the screen is unclear:
 - Adjust the LED brightness in the Display menu. Refer to <3.2.2 Screen Settings> for more information on adjusting the brightness of LED and text.
- If the product is not functioning properly or is overheating:
 - If smoke is coming from the product or if it is overheating severely, stop using it immediately.
- If connection is bad:
 - Check if Wi-Fi is successfully connected.
 - If communicating with the connected PC, verify that the PC and the product are properly synced and configured.

Before Contacting Customer Service

Please check the user manual again. If you determine that it is a malfunction, clearly record and provide the malfunction status and product information. Depending on the nature of the malfunction, it may be either a paid or free service. The following causes of malfunction are subject to paid service:

- Malfunction due to user mishandling
- Connecting power sources other than the rated power supply
- Unauthorized disassembly or repair by the user
- Malfunction caused by disasters (fire, flooding, lightning, etc.)

Malfunction Details

NVISAGE TECH NOLO GIES

5.1 Wireless

5.1.1 ISED (Canada)

English

- Industry Canada Statement

This device contains licence-exempt transmitter that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- Industry Canada Radiation Exposure Statement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

- Wireless Module Information

This product contains a radio module that has been certified under the following ISED Identification Number: IC: 11233A-F1CS43752HP.

- Caution:

Any changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate the equipment.

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Français

- Industry Canada Statement

L'émetteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

- Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

- Wireless Module Information

Ce produit contient un module radio qui a été certifié sous le numéro d'identification ISED suivant : IC : 11233A-F1CS43752HP.

- Attention:

Tout changement ou modification apporté à cet équipement non expressément approuvé par le fabricant pourrait annuler l'autorisation de l'utilisateur à utiliser l'équipement.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

5.1.2 J-MIC (Japan)

This product contains a wireless module certified for compliance with Japan's Radio Act technical standards (MIC Technical Conformity, "Giteki").

Certification Number (Technical Conformity / Construction Design Certification):

R: 217-252652

Frequency Bands:

2.4 GHz: 2 402 – 2 480 GHz

5 GHz: 5 180 – 5 240 GHz

5 GHz band usage notice (Japan)

- 5.2 GHz band (W52) is for indoor use only to reduce the potential for harmful interference.

Caution (No modification)

Do not modify, disassemble, or change this product (including the wireless module/antenna).

Such actions may invalidate the certification and may violate applicable regulations.

