



Infinite Motion x Innovation

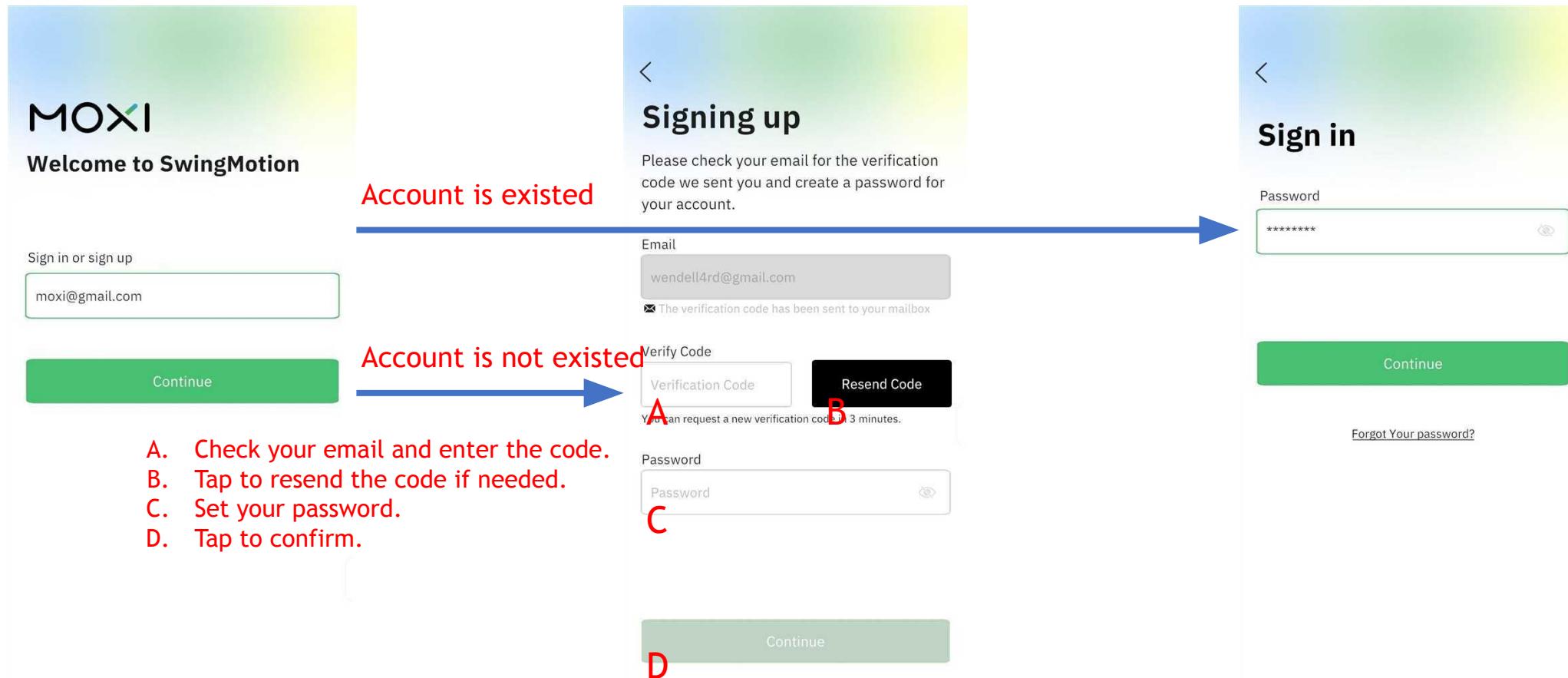
# MOXI SwingMotion User Manual

for APP v1.5

2025/06/12 Ver 0.5.3

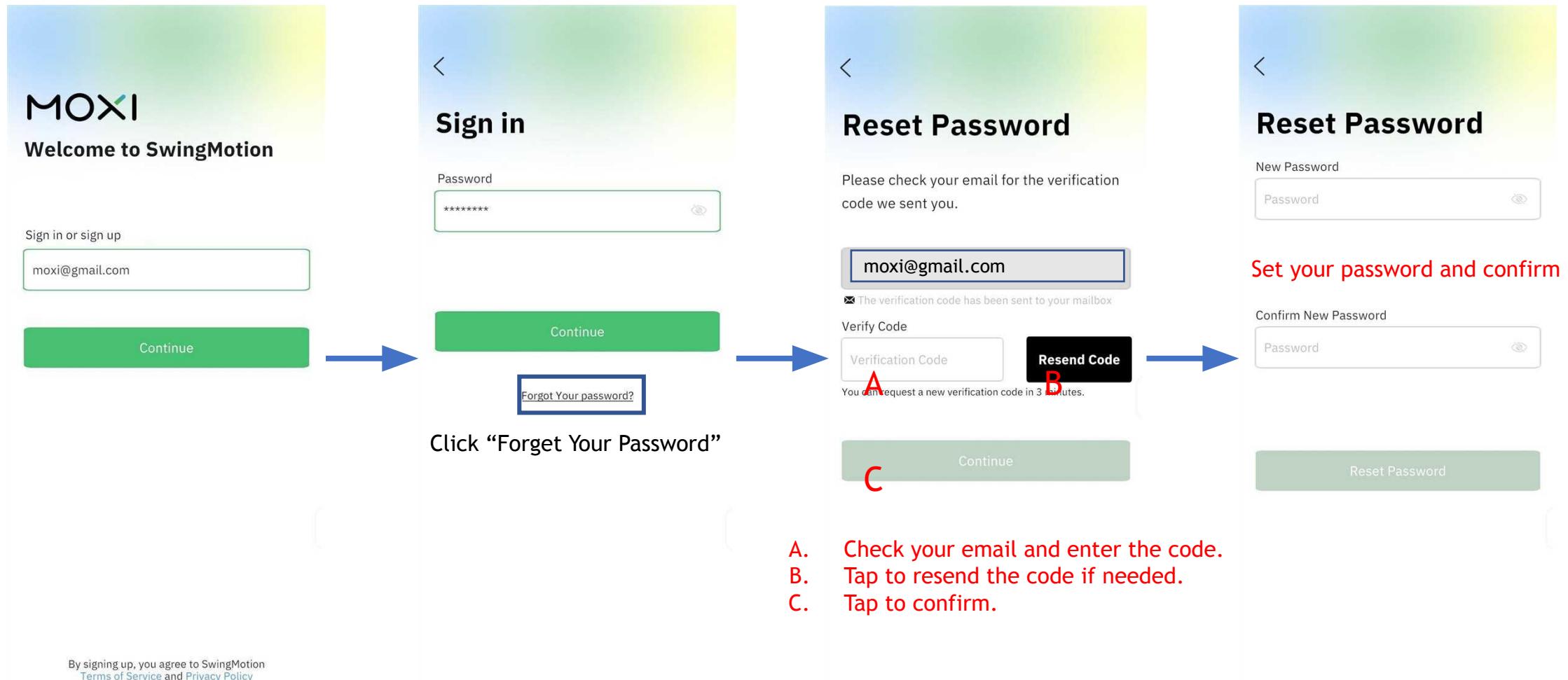
# APP User Manuel

# Sign Up and Login



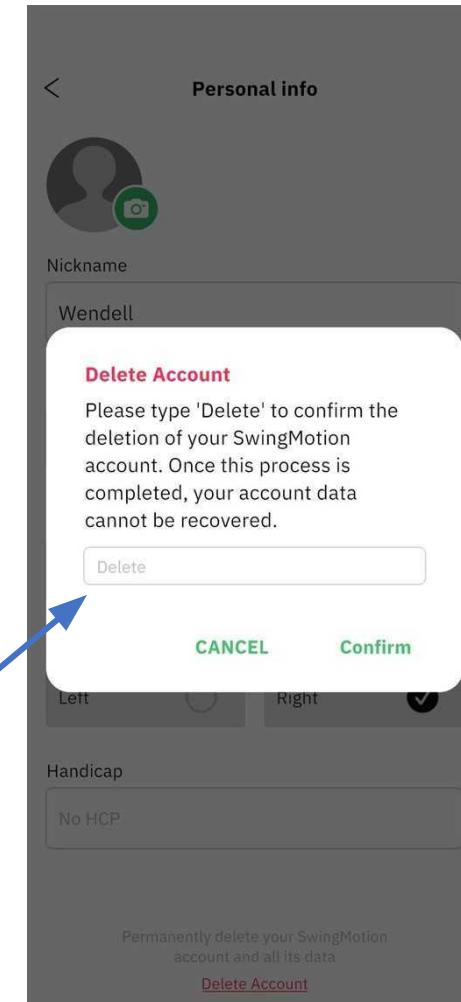
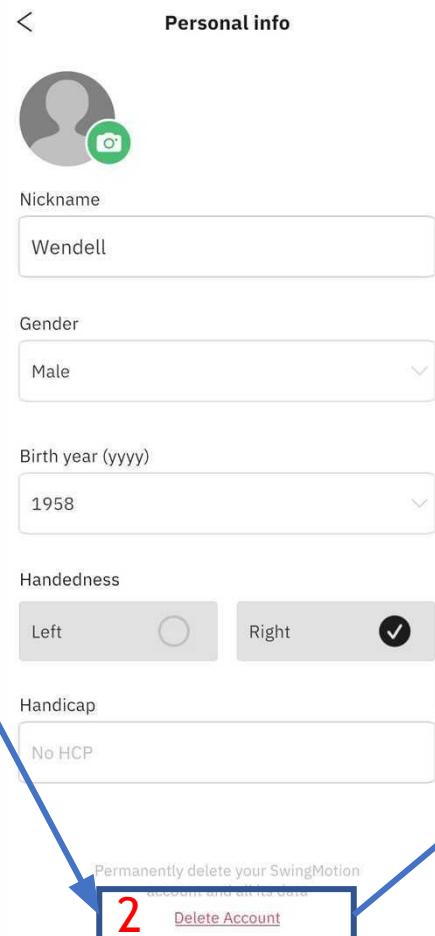
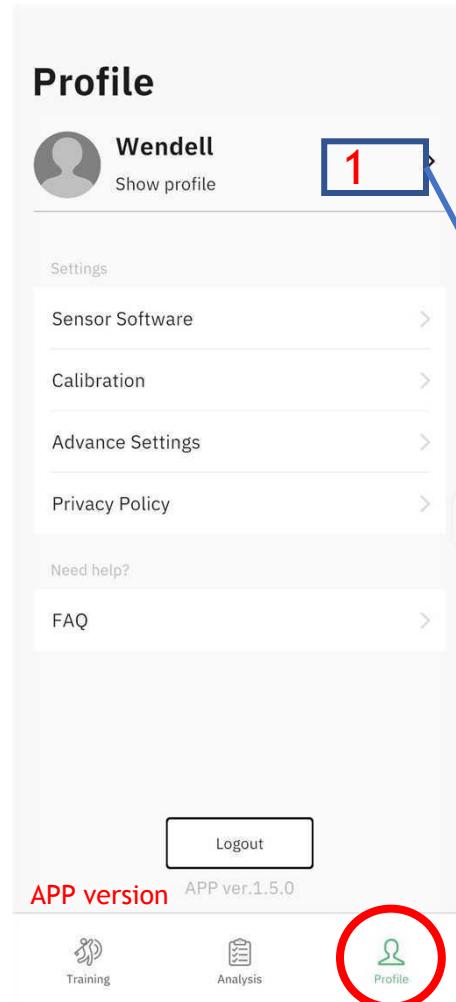
By signing up, you agree to SwingMotion  
[Terms of Service](#) and [Privacy Policy](#)

# Login and Reset Password

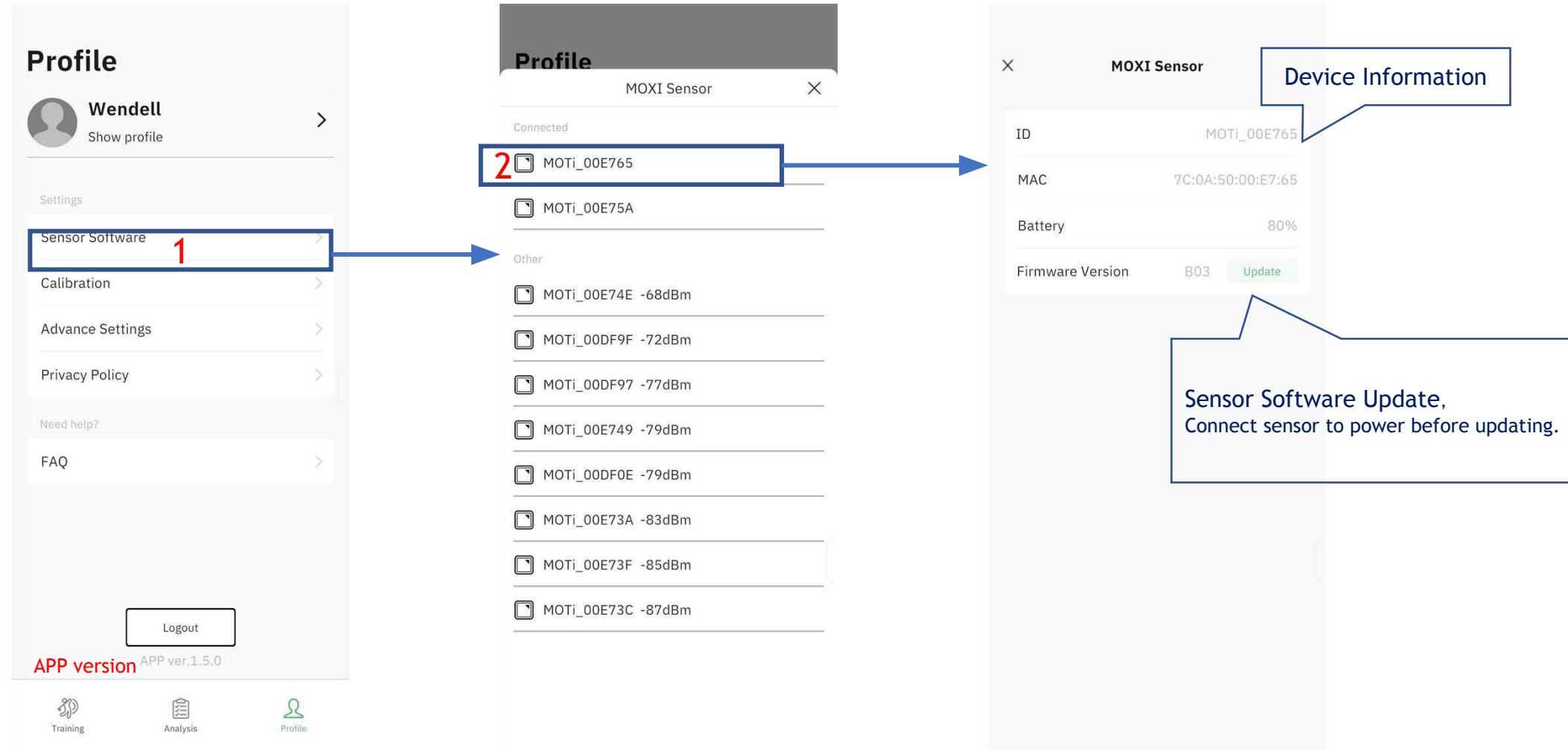


By signing up, you agree to SwingMotion  
[Terms of Service](#) and [Privacy Policy](#)

# Profile



# Profile – Sensor Software



The diagram illustrates the navigation flow between three screens:

- Profile Screen:** Shows a list of options including "Sensor Software" (marked with a red box and the number 1). A blue arrow points from this screen to the "Connected" section of the "Profile" screen.
- Profile (Connected) Screen:** Shows a list of connected sensors. The first sensor, "MOTi\_00E765", is highlighted with a red box and the number 2. A blue arrow points from the "Sensor Software" box on the previous screen to this list.
- MOXI Sensor (Device Information) Screen:** Provides detailed information for the selected sensor (MOTi\_00E765). It includes fields for ID (MOTi\_00E765), MAC (7C:0A:50:00:E7:65), Battery (80%), and Firmware Version (B03). A green "Update" button is present. A callout box on the right contains the text: "Sensor Software Update, Connect sensor to power before updating."

# Profile – Calibration

**Profile**


**Wendell**  
[Show profile](#)

[Settings](#)

[Sensor Software](#)

[Calibration](#)

[Advance Settings](#)

[Privacy Policy](#)

[Need help?](#)

[FAQ](#)

[Logout](#)

APP version **APP ver.1.5.0**

 Training
 Analysis
 Profile

**Calibration**

**Select and Connect Your Sensor**

Make sure that your MOXI sensor is turned on and within Bluetooth range. You can turn it on by pressing the button on your sensor. Tap on the MOXI sensor icons below to search for and select your sensors.


  
 MOTi\_00E765


  
 MOTi\_00E75A

**Calibration**

**Calibration in Progress**

Hold one or both MOXI sensors and move them in a horizontal figure-eight ( $\infty$ ) motion for calibration. The app will show a completed calibration status once done.



**Calibration**

**Calibration in Progress**

Continuously move the MOXI sensors in a horizontal figure-eight ( $\infty$ ) motion in the air. The corresponding icons on the screen will indicate when each sensor is calibrated.


  
 Calibrating...


  
 Calibrating...

**Calibration**

**Calibration in Progress**

Continuously move the MOXI sensors in a horizontal figure-eight ( $\infty$ ) motion in the air. The corresponding icons on the screen will indicate when each sensor is calibrated.

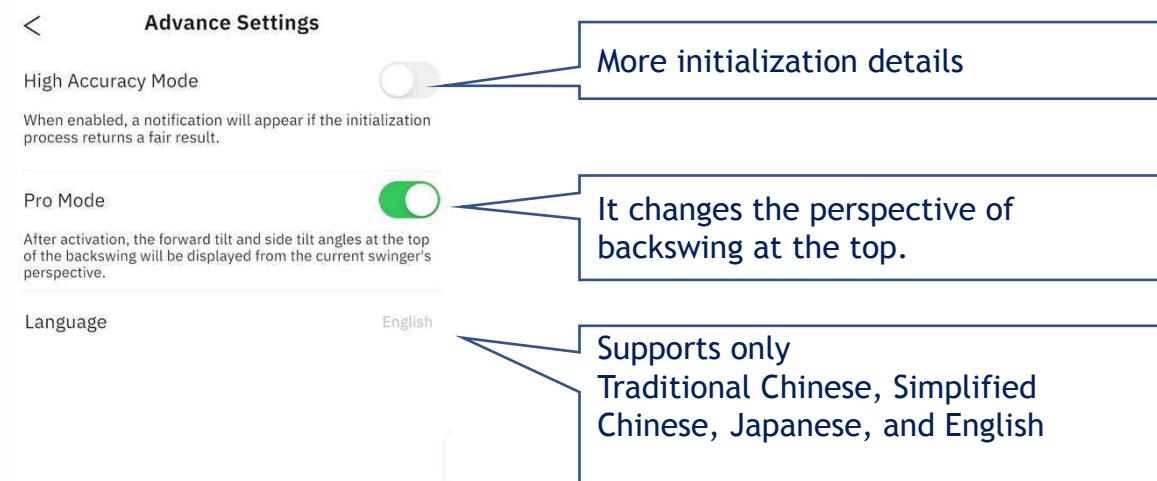
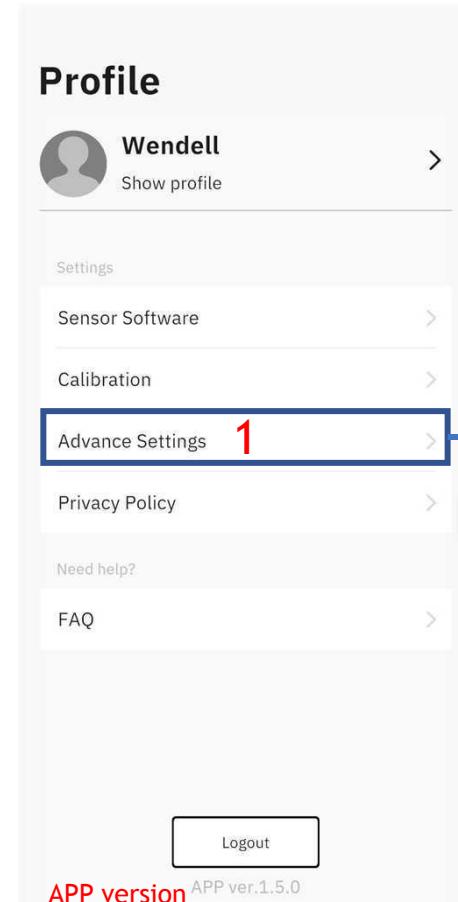

  
 Calibration Complete


  
 Calibration Complete

**Next**
**Calibration**
**Calibrating...**
**Calibration Complete**

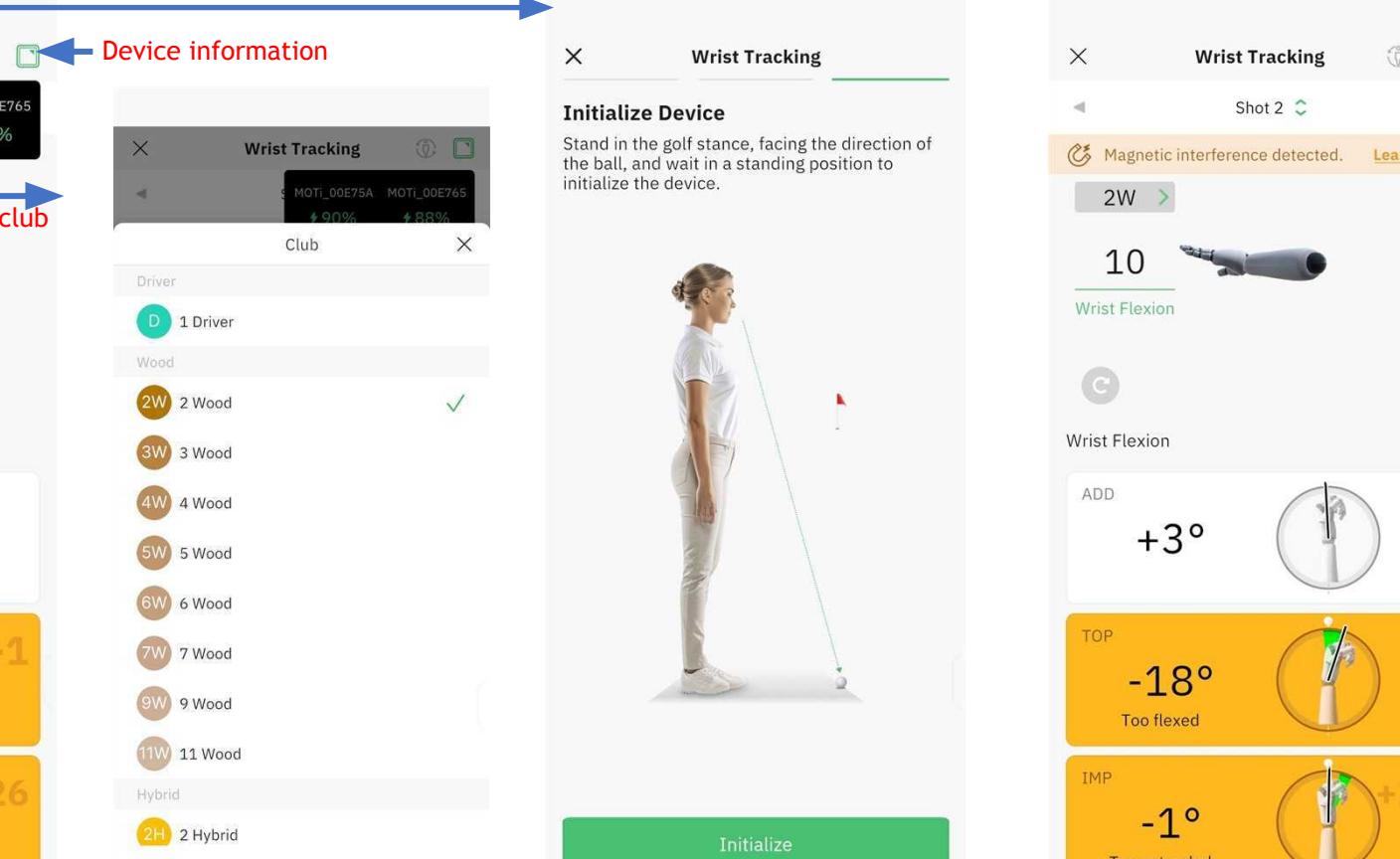
This system leverages geomagnetic data to enhance motion sensing accuracy.  
 Calibration is recommended before initial use, after international travel, and when relocating the device."

# Profile – Advance Settings



# Training – Common Operation

**Reinitialization**



**Device information**

**Wrist Tracking**

2W MOTi\_00E75A MOTi\_00E765  
90% 88%

10 Wrist Flexion

Pick club

**Wrist Flexion**

**ADD** +3°

**TOP** -18° Too flexed

**IMP** -1° Too extended

**Wrist Tracking**

Club

Driver 1 Driver

Wood

2W 2 Wood

3W 3 Wood

4W 4 Wood

5W 5 Wood

6W 6 Wood

7W 7 Wood

9W 9 Wood

11W 11 Wood

Hybrid

2H 2 Hybrid

Continue

**Initialize Device**

Stand in the golf stance, facing the direction of the ball, and wait in a standing position to initialize the device.



Initialize

**Wrist Tracking**

Shot 2

Magnetic interference detected. [Learn More](#)

2W

10 Wrist Flexion

**Wrist Flexion**

**ADD** +3°

**TOP** -18° Too flexed

**IMP** -1° Too extended

**Wrist Tracking**

Shot 2

Magnetic interference detected. [Learn More](#)

2W

10 Wrist Flexion

**Magnetic interference detected.**

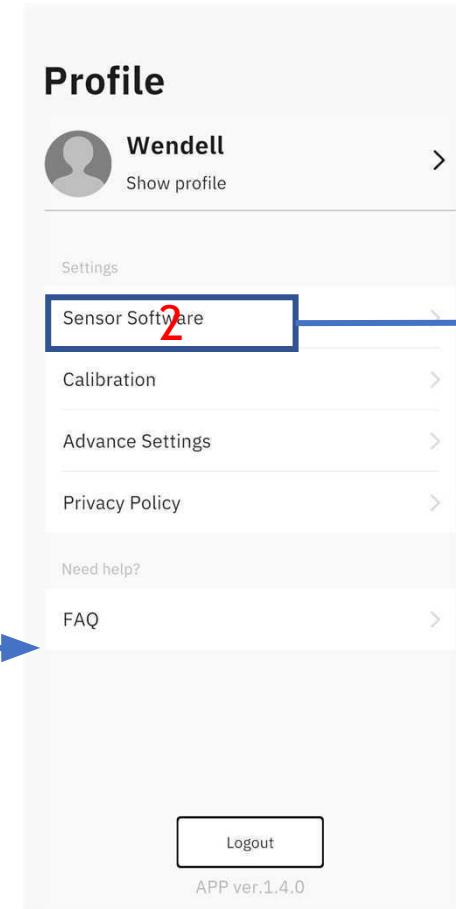
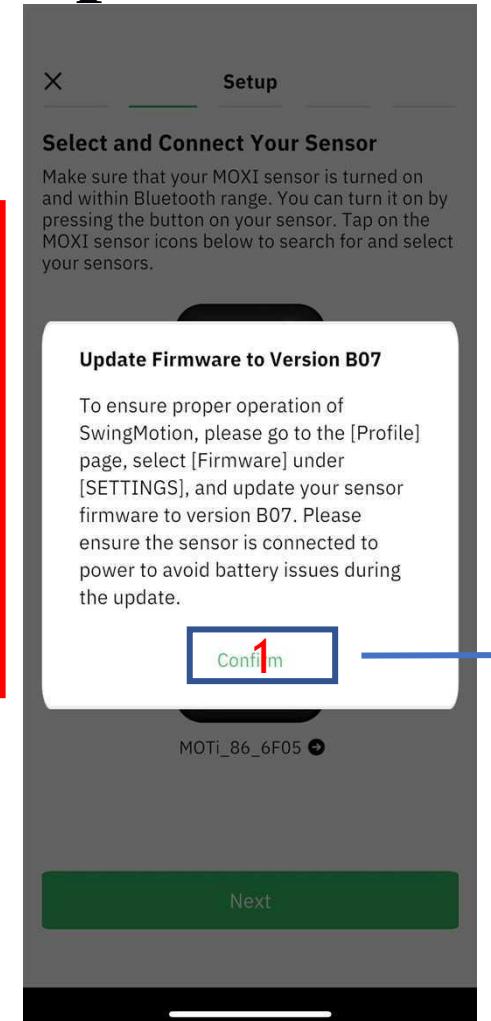
Please remove any magnets or metal objects around the sensor then go to [Settings] in Profile to [Calibrate].

OK

# Training – Firmware Update Notification

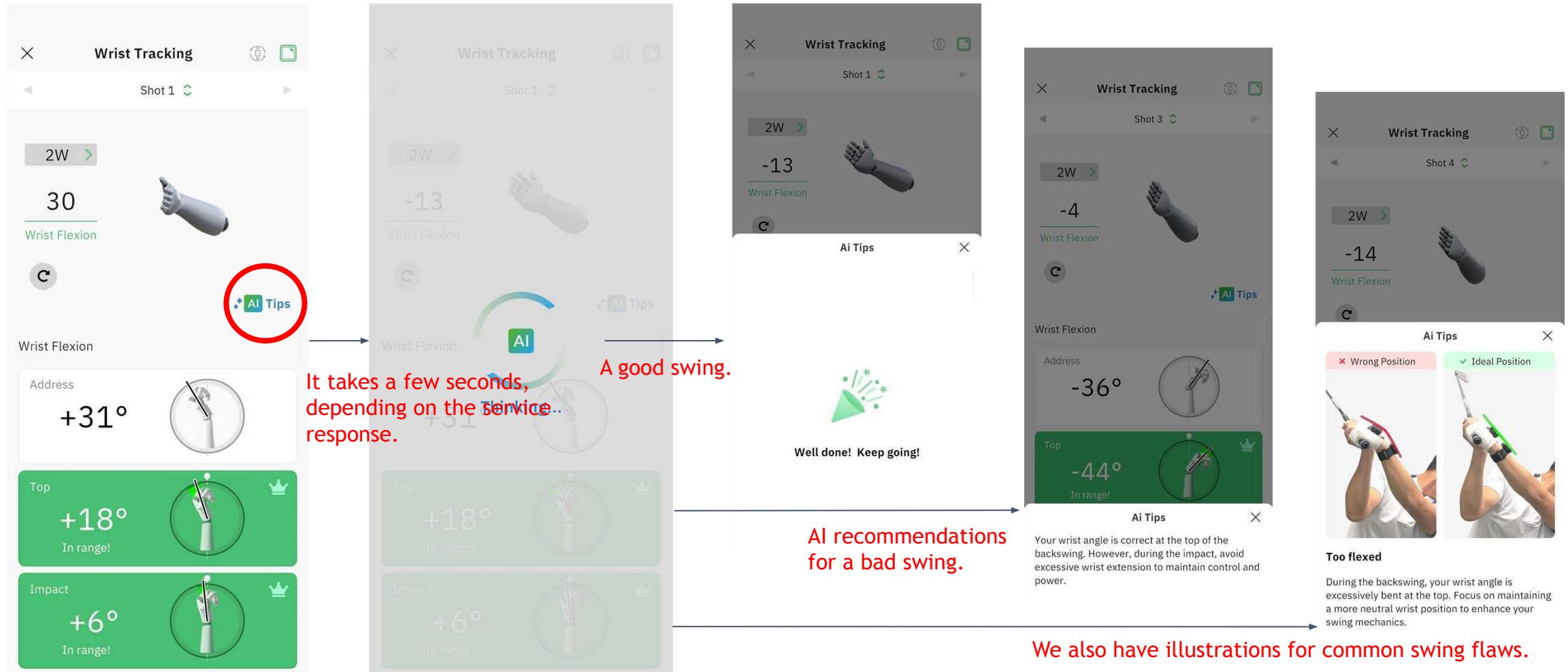


Choose a training mode.  
The app will notify you when new device firmware (sensor software) is available



Jump to  
Profile  
Sensor Software

# Training – AI Tips



The screenshots illustrate the AI analysis and tips provided by the MOXI Wrist Tracking app:

- Wrist Flexion:** Shows a 3D arm model with a wrist flexion value of 30. A red circle highlights the "AI Tips" button.
- Wrist Flexion (AI Tips):** Shows a 3D arm model with a wrist flexion value of -13. A green circular arrow icon with "AI" indicates the AI is processing. A red annotation text box says: "It takes a few seconds, depending on the service... response."
- Wrist Flexion (AI Tips):** Shows a 3D arm model with a wrist flexion value of -13. A green circular arrow icon with "AI" indicates the AI is processing. A green text box says: "A good swing." A green confetti icon with "Well done! Keep going!" is shown.
- Wrist Flexion (AI Tips):** Shows a 3D arm model with a wrist flexion value of -4. A green circular arrow icon with "AI" indicates the AI is processing. A red text box says: "AI recommendations for a bad swing." A green text box with a warning message: "Your wrist angle is correct at the top of the backswing. However, during the impact, avoid excessive wrist extension to maintain control and power."
- Wrist Flexion (AI Tips):** Shows a 3D arm model with a wrist flexion value of -14. A green circular arrow icon with "AI" indicates the AI is processing. A red text box says: "Too flexed." A green text box with a warning message: "During the backswing, your wrist angle is excessively bent at the top. Focus on maintaining a more neutral wrist position to enhance your swing mechanics."
- Wrist Flexion (AI Tips):** Shows a 3D arm model with a wrist flexion value of -44°. A green circular arrow icon with "AI" indicates the AI is processing. A green text box says: "We also have illustrations for common swing flaws."

# Training – Wrist Control

## Training

### Wrist Tracking

Tracks the wrist motion to train for better clubface control and more accurate ball striking.



### Torso Movement

Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.



### Hip Movement

Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.



### Body Separation

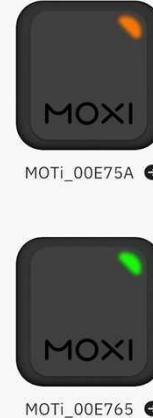
Evaluate the ability to



**Wrist Tracking**

**Select and Connect Your Sensor**

Make sure that your MOXI sensor is turned on and within Bluetooth range. You can turn it on by pressing the button on your sensor. Tap on the MOXI sensor icons below to search for and select your sensors.



**Wrist Tracking**

**Wearing Instructions (Right handed)**

Please wear one MOXI sensor on your hand (green LED) and the other on your forearm (orange LED). Make sure to follow the LED colors and the icons shown in the illustration for correct placement.



**Wrist Tracking**

**Initialize Device**

Stand in the golf stance, facing the direction of the ball, and wait in a standing position to initialize the device.



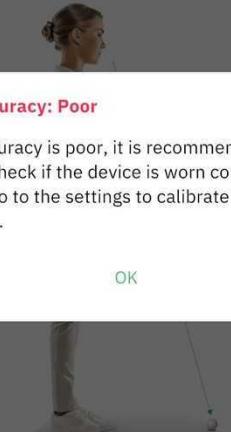
**Pay attention to the wearing position and the orientation of the indicator light.**

Next
Next
Initialize

**Wrist Tracking**

**Initialize Device**

Stand in the golf stance, facing the direction of the ball, and wait in a standing position to initialize the device.



**Accuracy: Poor**

Accuracy is poor, it is recommended to check if the device is worn correctly or go to the settings to calibrate the unit.

OK

# Training – Wrist Control

**Training**

**Wrist Tracking**  
Tracks the wrist motion to train for better clubface control and more accurate ball striking.



**Torso Movement**  
Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.



**Hip Movement**  
Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.



**Body Separation**  
Evaluate the ability to

 Training    Analysis    Profile

**Wrist Tracking** Shot 3

2W > -27 Wrist Flexion

**Wrist Tracking** Shot 2

2W > 20 Wrist Flexion

Scroll down to see more analysis.

4.37 Backswing 1.18 /sec Downswing 0.27 /sec

**Wrist Tracking** Shot 2

2W > 21 Wrist Flexion

**Wrist Tracking** Shot 2

2W > 10 Wrist Flexion

**Message**  
End training and upload data?  
CANCEL OK

**Dashboard**

**Wrist Flexion**

Address +8 Top In range! Impact +14

+3 -18 -1

Speed

Arm 153.7 2

Press the chart icon to see more detail.

**Speed**

Arm 153.7 2

**Saving data and exit**

# Training – Torso Movement

## Training

**Wrist Tracking**  
Tracks the wrist motion to train for better clubface control and more accurate ball striking.



**Torso Movement**  
Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.



**Hip Movement**  
Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.



**Body Separation**  
Evaluate the ability to



 Training

 Analysis

 Profile

**Torso Movement**

**Select and Connect Your Sensor**

Make sure that your MOXI sensor is turned on and within Bluetooth range. You can turn it on by pressing the button on your sensor. Tap on the MOXI sensor icons below to search for and select your sensors.



MOTi\_00E75A



MOTi\_00E765

**Next**

**Torso Movement**

**Wearing Instructions (Right handed)**

Please wear one MOXI sensor on your forearm (orange LED) and the other on your torso (purple LED). Make sure to follow the LED colors and the icons shown in the illustration for correct placement.





**Pay attention to the wearing position and the orientation of the indicator light.**

**Next**

**Torso Movement**

**Initialize Device**

Stand in the golf stance, facing the direction of the ball, and wait in a standing position to initialize the device.



**Stand upright with your palms flat against your thighs.**

**Initialize**

# Training – Torso Movement

**Training**

**Wrist Tracking**  
Tracks the wrist motion to train for better clubface control and more accurate ball striking.



**Torso Movement**  
Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.

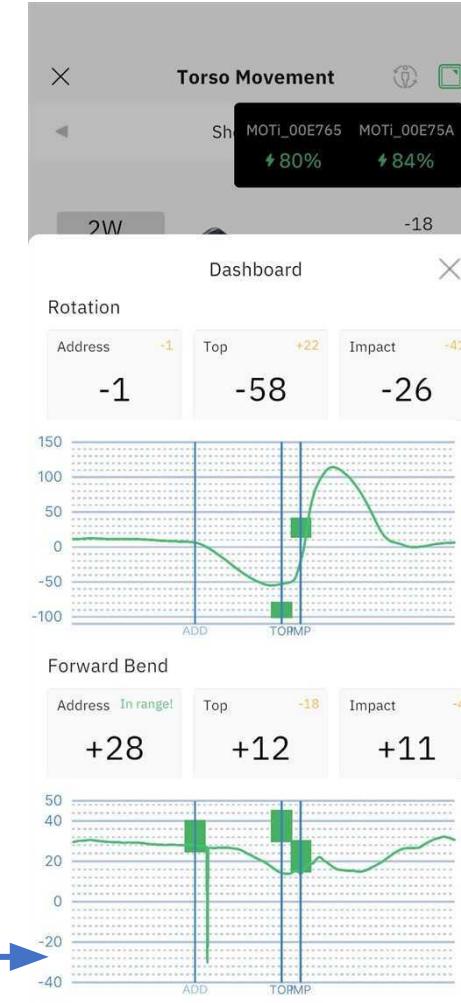
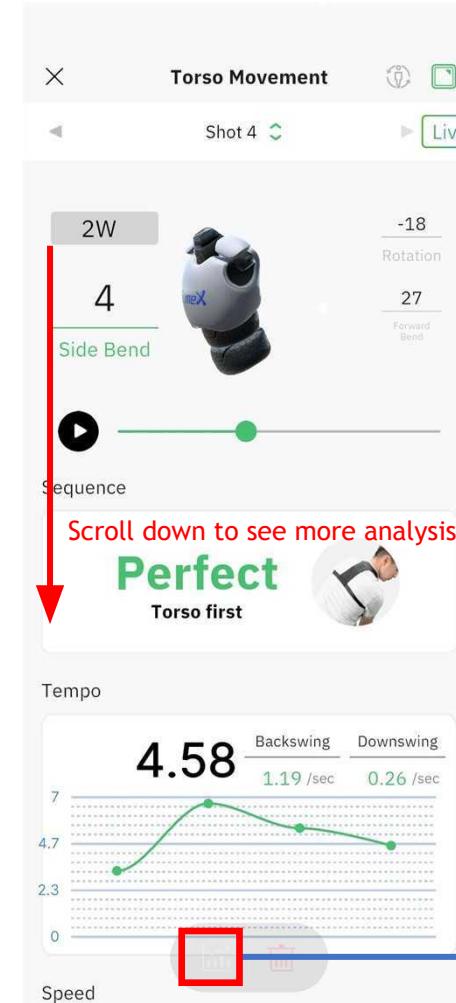
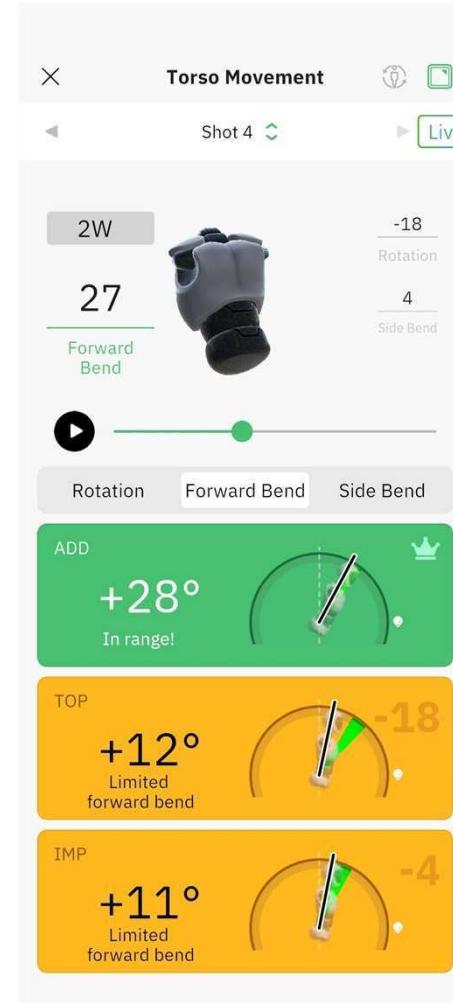


**Hip Movement**  
Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.



**Body Separation**  
Evaluate the ability to

 Training    Analysis    Profile



Press the chart icon to see more detail.

# Training – Hip Movement

## Training

**Wrist Tracking**  
Tracks the wrist motion to train for better clubface control and more accurate ball striking.



**Torso Movement**  
Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.



**Hip Movement**  
Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.



**Body Separation**  
Evaluate the ability to



 Training

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 Profile

**Hip Movement**

**Select and Connect Your Sensor**  
Make sure that your MOXI sensor is turned on and within Bluetooth range. You can turn it on by pressing the button on your sensor. Tap on the MOXI sensor icons below to search for and select your sensors.



MOTi\_00E765



MOTi\_00E75A

**Next**

**Hip Movement**

**Wearing Instructions (Right handed)**  
Please wear one MOXI sensor on your forearm (orange LED) and the other on your pelvis (yellow LED). Make sure to follow the LED colors and the icons shown in the illustration for correct placement.





**Pay attention to the wearing position and the orientation of the indicator light.**

**Next**

**Hip Movement**

**Initialize Device**  
Stand in the golf stance, facing the direction of the ball, and wait in a standing position to initialize the device.



**Stand upright with your palms flat against your thighs.**

**Initialize**

# Training – Hip Movement

**Training**

**Wrist Tracking**  
Tracks the wrist motion to train for better clubface control and more accurate ball striking.



**Torso Movement**  
Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.

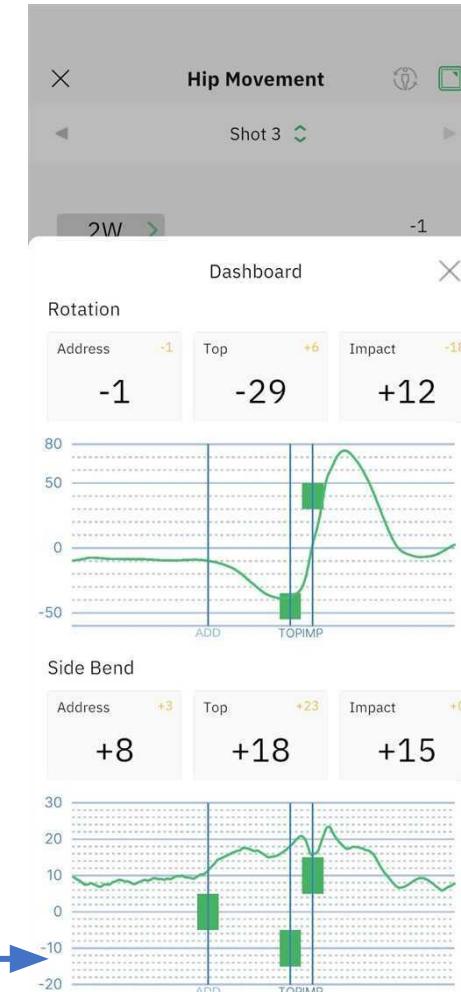
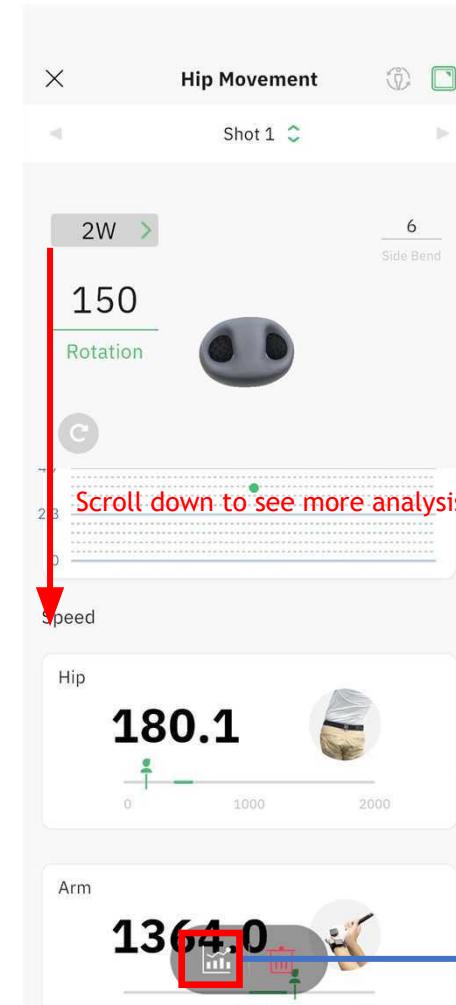
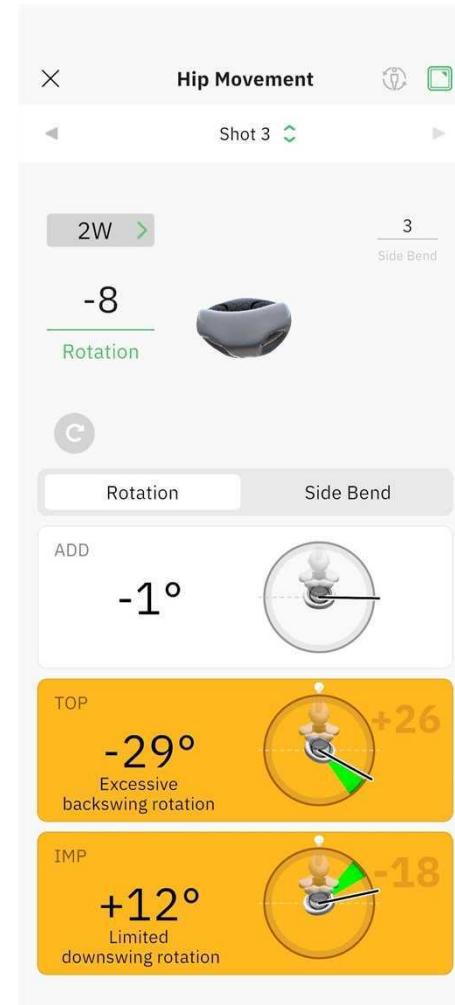


**Hip Movement**  
Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.



**Body Separation**  
Evaluate the ability to

 Training    Analysis    Profile



# Training – Body Separation

**Training**  
control and more accurate ball striking.



**Torso Movement**

Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.



**Hip Movement**

Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.



**Body Separation**

Evaluate the ability to separate upper and lower body movements and examine the sequence of the kinetic chain to maximize swing power.



 **Body Separation**

**Select and Connect Your Sensor**

Make sure that your MOXI sensor is turned on and within Bluetooth range. You can turn it on by pressing the button on your sensor. Tap on the MOXI sensor icons below to search for and select your sensors.



MOTi\_00E75A 



MOTi\_00E765 

[Next](#)

 **Body Separation**

**Wearing Instructions (Right handed)**

Please wear one MOXI sensor on your torso (purple LED) and the other on your pelvis (yellow LED). Make sure to follow the LED colors and the icons shown in the illustration for correct placement.



**Pay attention to the wearing position and the orientation of the indicator light.**

[Next](#)

 **Body Separation**

**Initialize Device**

Stand in the golf stance, facing the direction of the ball, and wait in a standing position to initialize the device.



**Stand upright with your palms flat against your thighs.**

[Initialize](#)

# Training – Body Separation

**Training**  
control and more accurate ball striking.



**Torso Movement**

Analyze the torso movements during the backswing and downswing to ensure a proper sequence of rotation and maintain an optimal spine angle.



**Hip Movement**

Monitor the hip movement to ensure an ideal kinematic chain and proper position that improves swing power and efficiency.

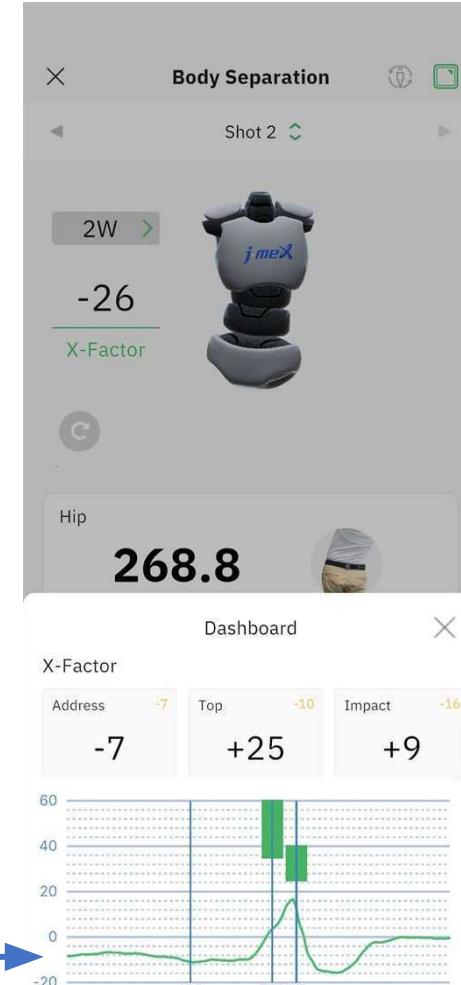
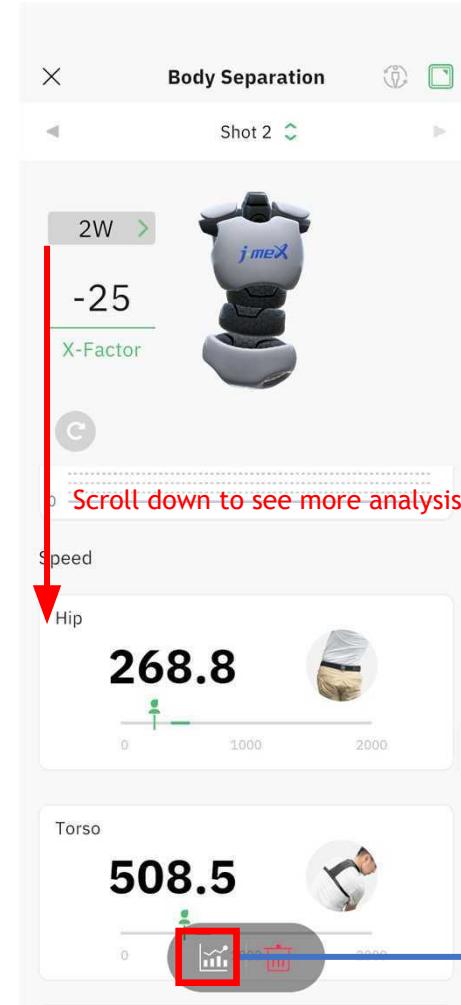
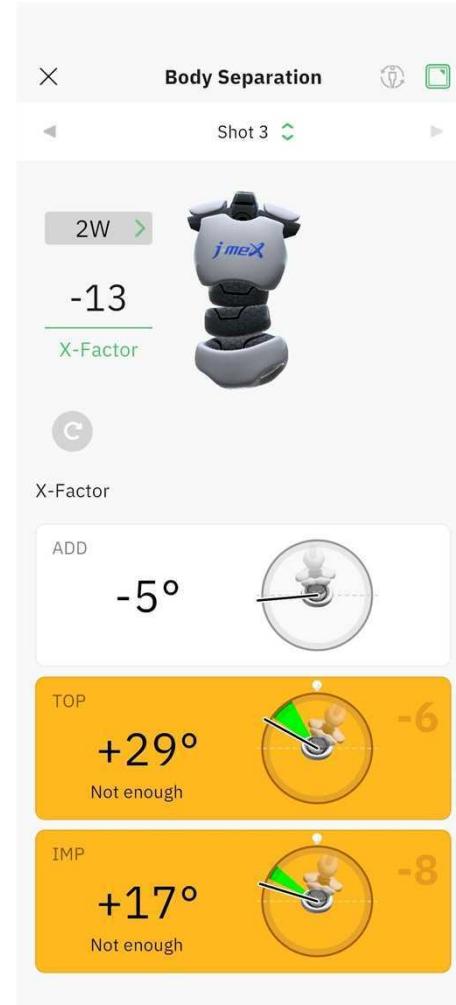


**Body Separation**

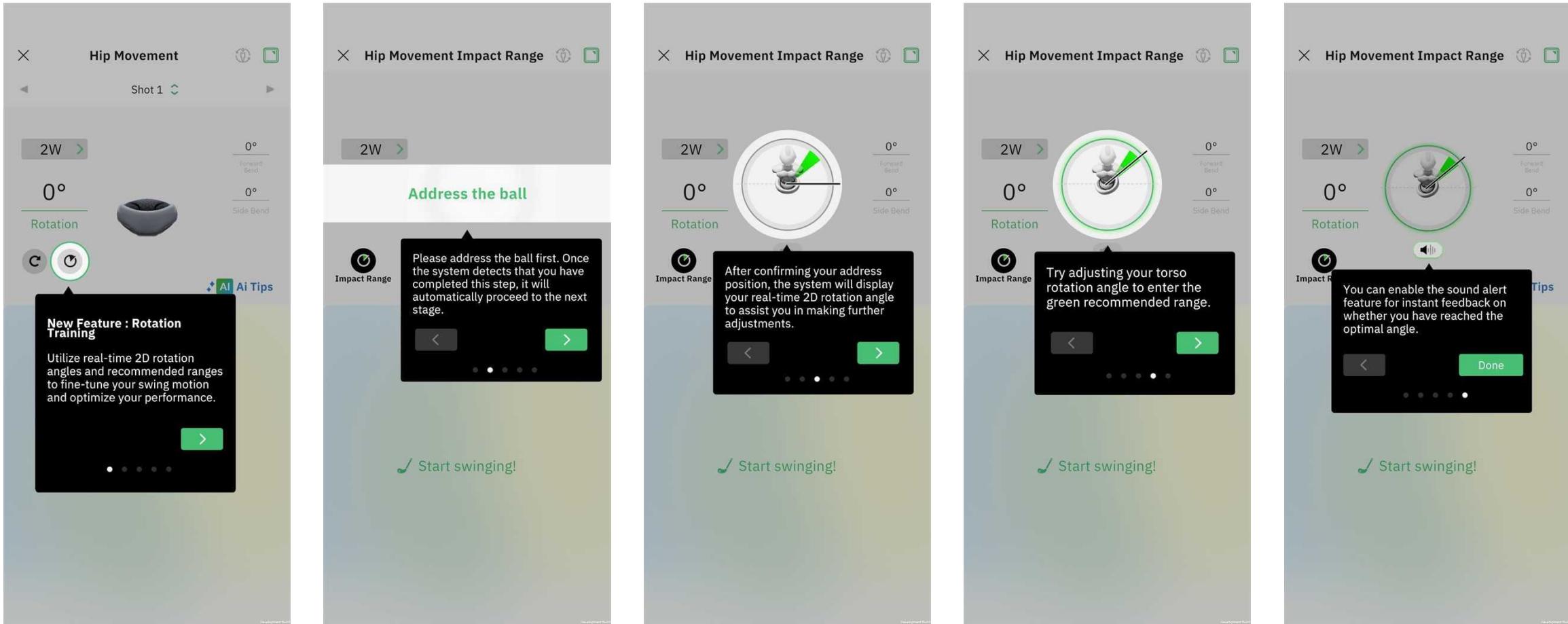
Evaluate the ability to separate upper and lower body movements and examine the sequence of the kinetic chain to maximize swing power.



**Training**  **Analysis**  **Profile** 

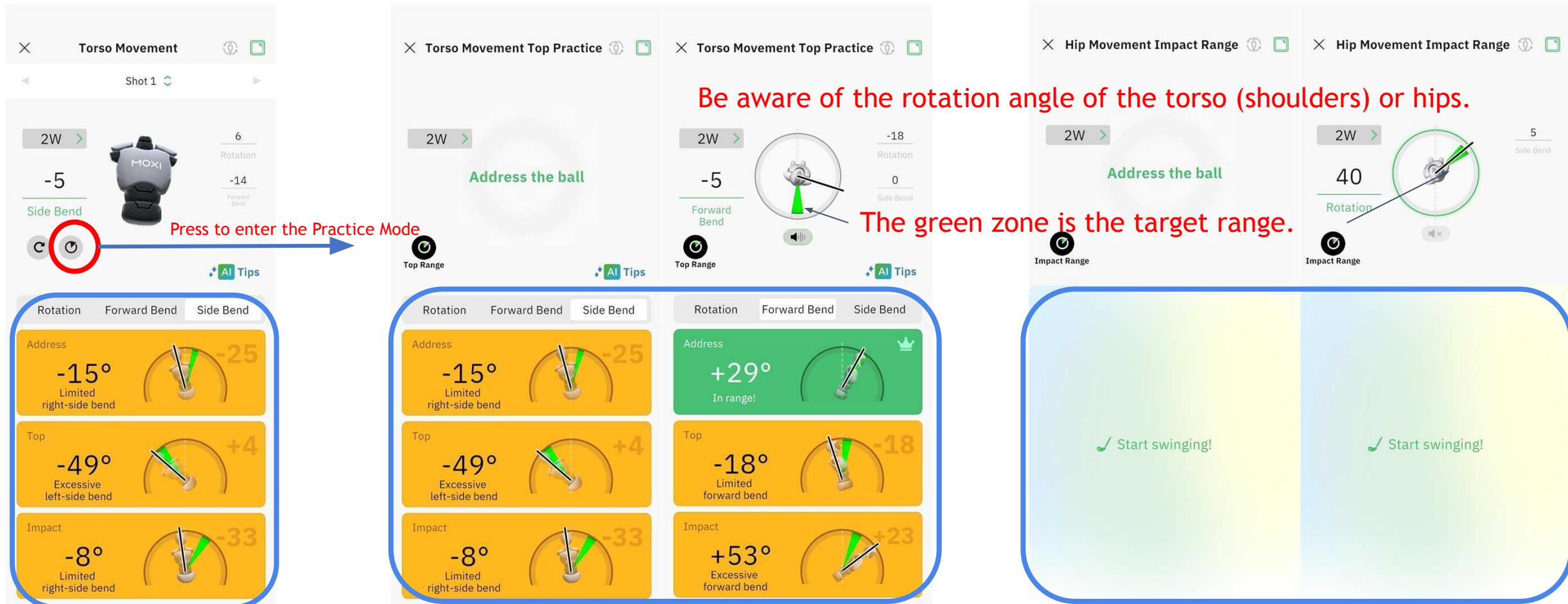


# Training – Practice Mode



You'll see a quick feature overview the first time you enter practice mode

# Training – Practice Mode



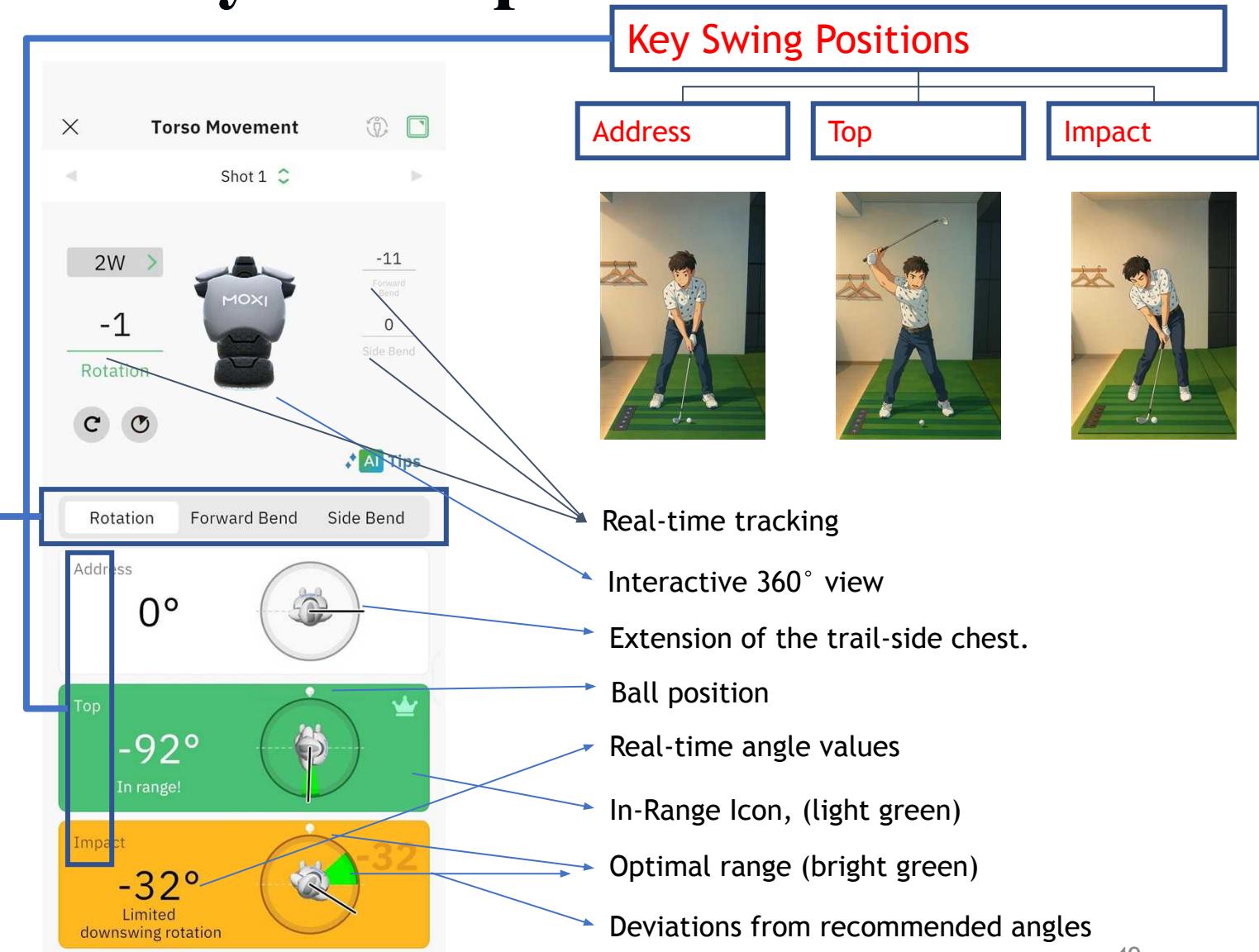
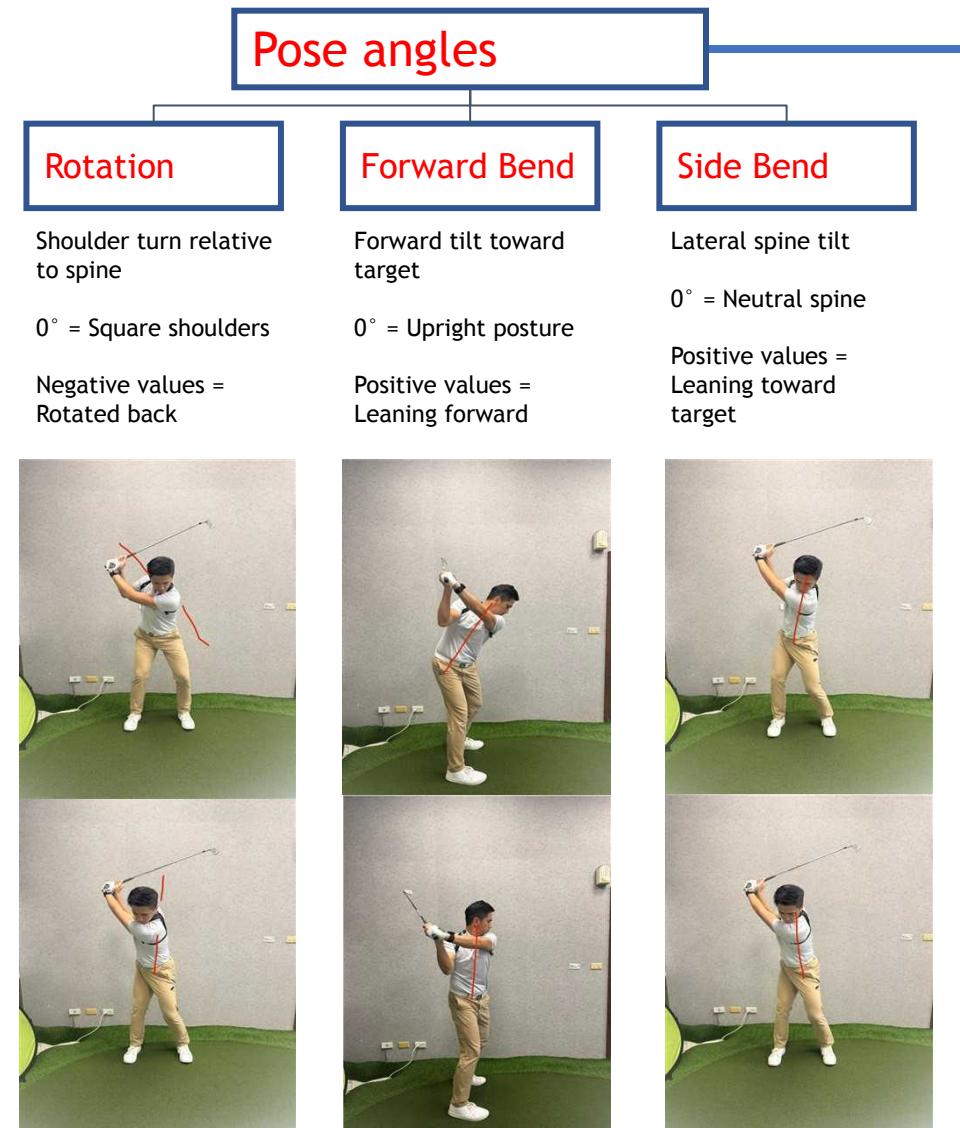
Press to enter the Practice Mode

Be aware of the rotation angle of the torso (shoulders) or hips.

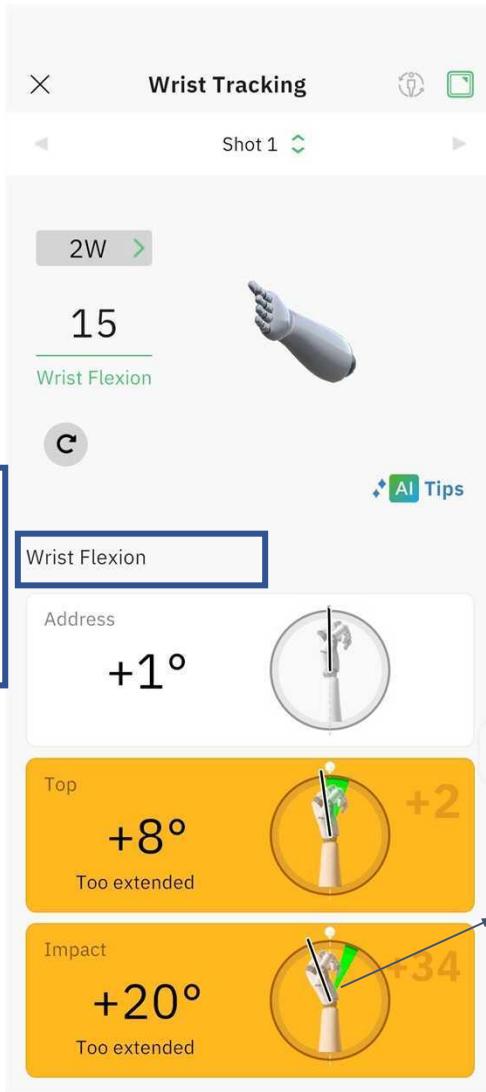
The green zone is the target range.

These information can be ignored.

# Swing Posture Data & Key Checkpoints

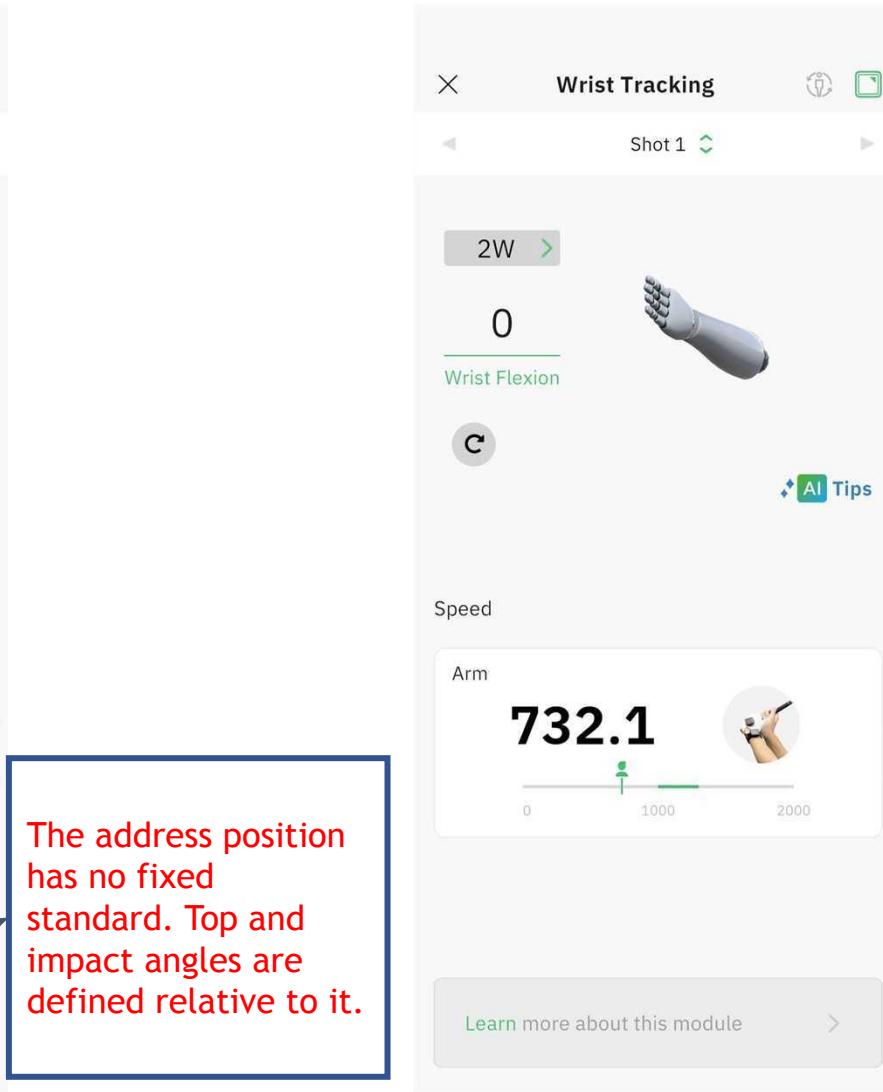


# Training Wrist Control



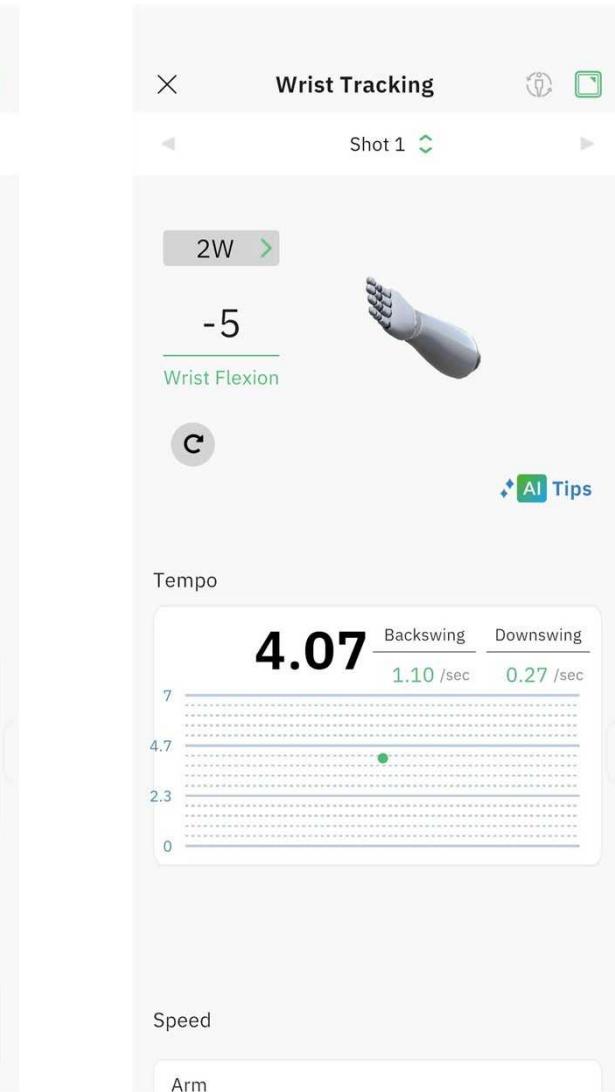
**Wrist flexion Angle**

Dorsiflexion ⇒ +  
Palmarflexion ⇒ -



**Wrist Flexion**

The address position has no fixed standard. Top and impact angles are defined relative to it.



**Wrist Flexion**

# Training Hip Movement

The screenshot displays a software interface for analyzing golf swing hip movement. The main window shows a 3D ball and club icon with '2W' and '4' labels. A blue box highlights the 'AI Tips' section, which contains the following text:

**Rotation & Side Bend perspectives:**

**Rotation away from target = negative**  
**Side bend away from target = positive**

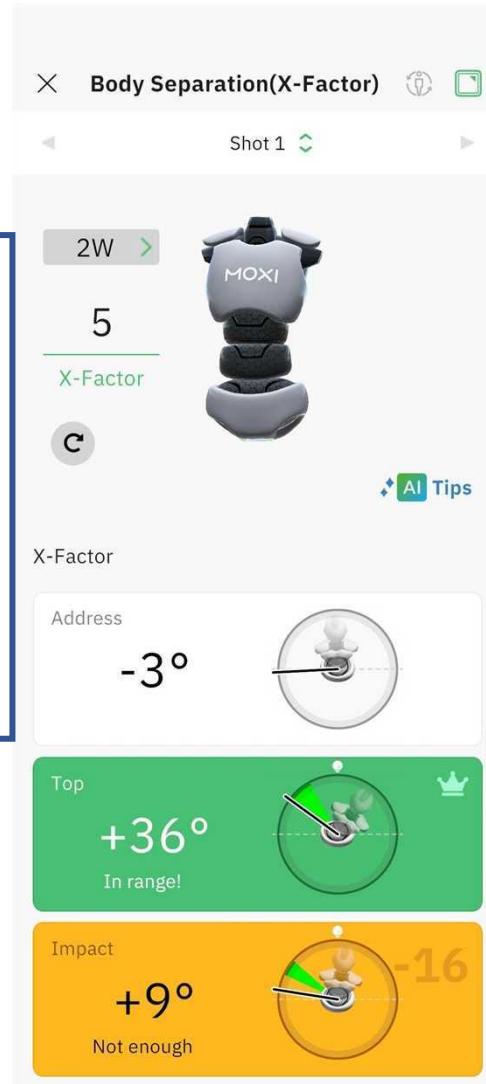
The interface includes several data cards:

- Address:** 0°
- Top:** -69° (Excessive backswing rotation)
- Impact:** +2° (Limited downswing rotation)
- Rotation:** 48 (Side Bend)
- Side Bend:** -2° (Limited left-side bend)
- Impact:** +7° (In range!)
- Speed:** Hip: 318.8
- Tempo:** 2.62 (Backswing: 0.84 /sec, Downswing: 0.32 /sec)
- Sequence:** Perfect (Pelvis first)

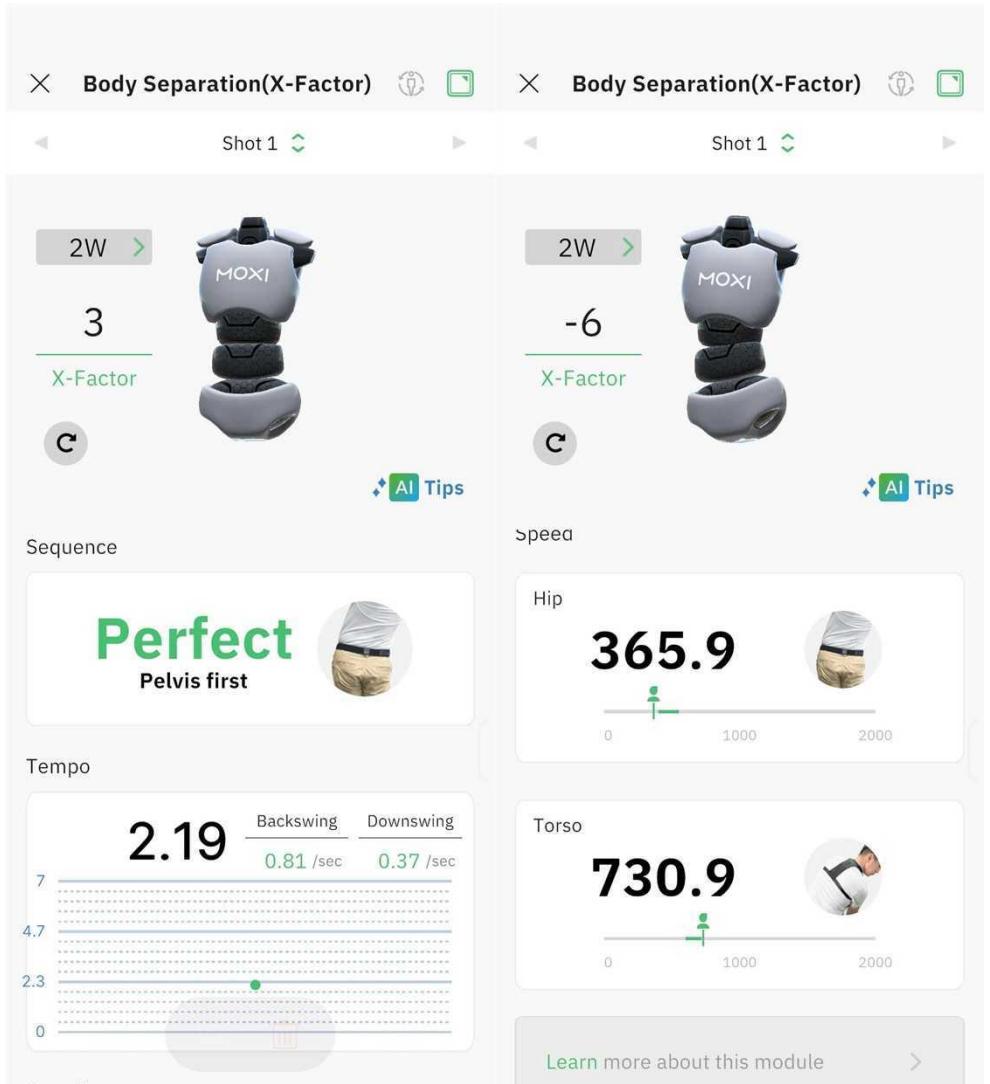
Each data card features a circular gauge with a green needle indicating the degree of movement, and a small icon of a golfer in a dynamic pose.

# Training Body Separation

X-Factor perspective:  
 Rotation away from the target is negative.  
 Side bend away from the target is positive.



A top-down view highlights the rotation angle difference between shoulders and hips.



# Analysis

## Analysis

2024-12-24

- Wrist Tracking** (2) 2024-12-24 14:25 Session Title: 手腕控制模組
- Torso Movement** (4) 2024-12-24 14:31 Session Title: 上半身動作模組
- Hip Movement** (2) 2024-12-24 14:36 Session Title: 骨盆動作模組
- Body Separation** (2) 2024-12-24 14:39 Session Title: 上下身協調模組
- Body Separation** (3) 2024-12-24 14:49 Session Title: Body Separation
- Torso Movement** (4) 2024-12-24 14:52

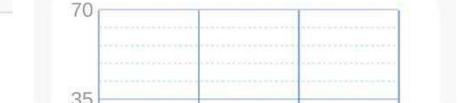
Training   Analysis   Profile

**Session Title: Wrist Tracking**

Date: 2024-12-24 14:59 | Shot: 3 | REPLAY

SHOT	1	2	3
ADD	+24	+27	+26
TOP	-29	-18	-35
IMP	+28	+12	0
TOP*	-33	-25	-41
IMP*	+34	✓	✓
CLUB	2W	2W	2W

ADD



**Session Title: Torso Movement**

Date: 2024-12-24 14:52 | Shot: 4 | REPLAY

SHOT	1	2	3
ADD	-1	-1	0
TOP	-64	-64	-49
IMP	-30	-29	-25
TOP*	+36	+36	+51
IMP*	-45	-44	-40
CLUB	2W	2W	2W

ADD



**Session Title: Hip Movement**

Date: 2024-12-24 14:56 | Shot: 3 | REPLAY

SHOT	1	2	3
ADD	+3	+3	-1
TOP	-28	-10	-29
IMP	+8	+42	+12
TOP*	+27	+45	+26
IMP*	-22	✓	-18
CLUB	2W	2W	2W

ADD



**Session Title: Body Separation**

Date: 2024-12-24 14:49 | Shot: 3 | REPLAY

SHOT	1	2	3
ADD	+1	-4	-5
TOP	+35	+28	+29
IMP	+23	+9	+17
TOP*	✓	-7	-6
IMP*	-2	-16	-8
CLUB	2W	2W	2W

ADD



# MOXI Sensor Status LED

Status	LED light	Blinking
Power on, not connected	White	No
Power on, connected	App defined or None	No
Charging	Red	No
Low Battery (20%)	Red	Yes (on for 0.1s, off for 2s)
Data Transmitting	App defined Color	Yes (on for 0.2s, off for 1s)
<b>Charging complete</b>	<b>White</b>	<b>No</b>



Upper Back (C7 vertebra)



Wrist (Dorsal carpal)



Back of hand (dorsal hand)



Lower Back (L4-L5 vertebra)