

STANDARD

CARRY THE



Backpack Tennis Ball Machine

NISPLAY Y1

User Manual





Read Before Use (Safety)

DANGER

Keep hands, hair, and loose clothing away from the ball exit and internal wheels. Do not reach into the exit until power is OFF and all motion has completely stopped.

WARNING

Do not stand directly in front of the machine during operation. Keep at least 5 meters of safety distance.

Do not touch the machine while it is running.

Turn OFF the machine before troubleshooting or removing a jammed ball.

Adults must supervise children at all times.

Do not move the machine until it is completely powered down.

CAUTION

Use tennis balls only. Do not insert non-tennis objects into the hopper/exit.

Do not overload the hopper. Maximum capacity: [\approx 100 balls]. Overloading may cause jams.

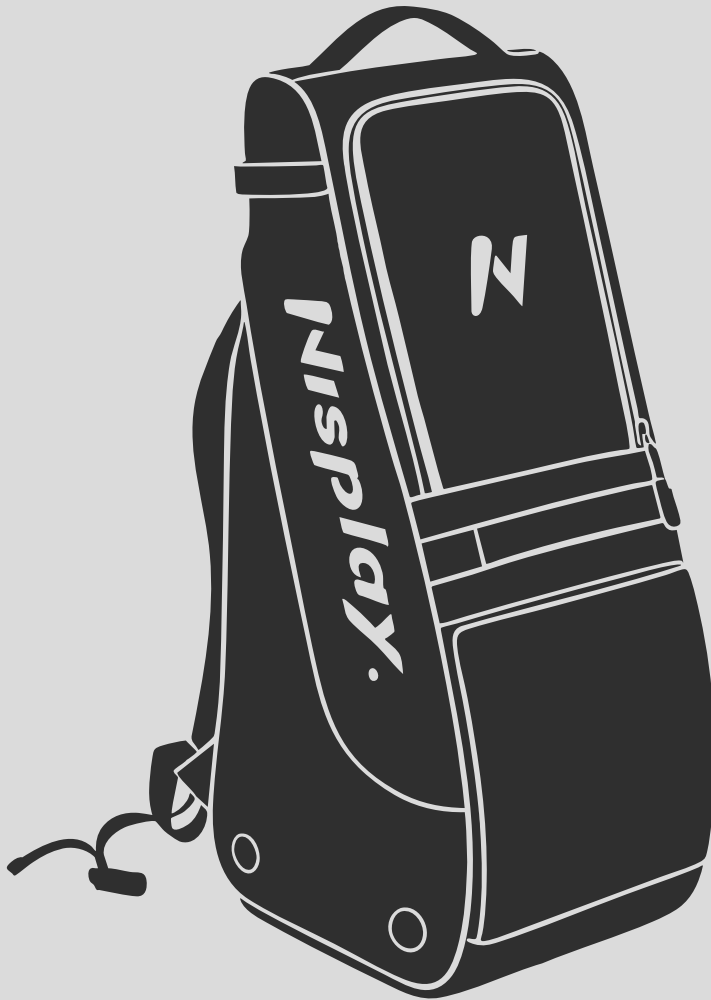
Do not use wet balls and do not use in rain or damp environments.

Do not immerse any part of the machine in water or other liquids.

After use, power OFF the machine (and battery if applicable) immediately.

What's In The Box

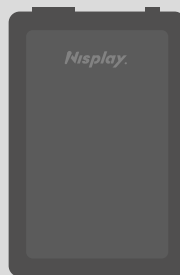
Y1 Tennis Ball Machine*1



Battery Charger*1



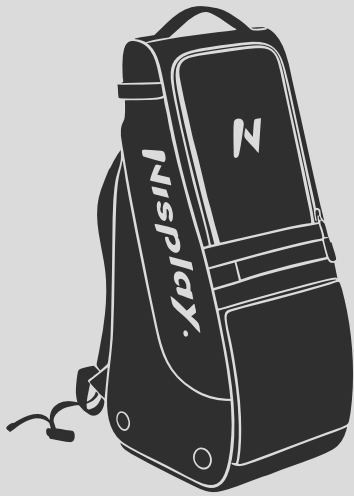
External Battery*1



User Manual*1



Quick Start



1 Place the machine on a flat surface.



2 Open the ball hopper (loading area).



3 Open the Ball Exit Flap . Pull down to open. Lift up to close.

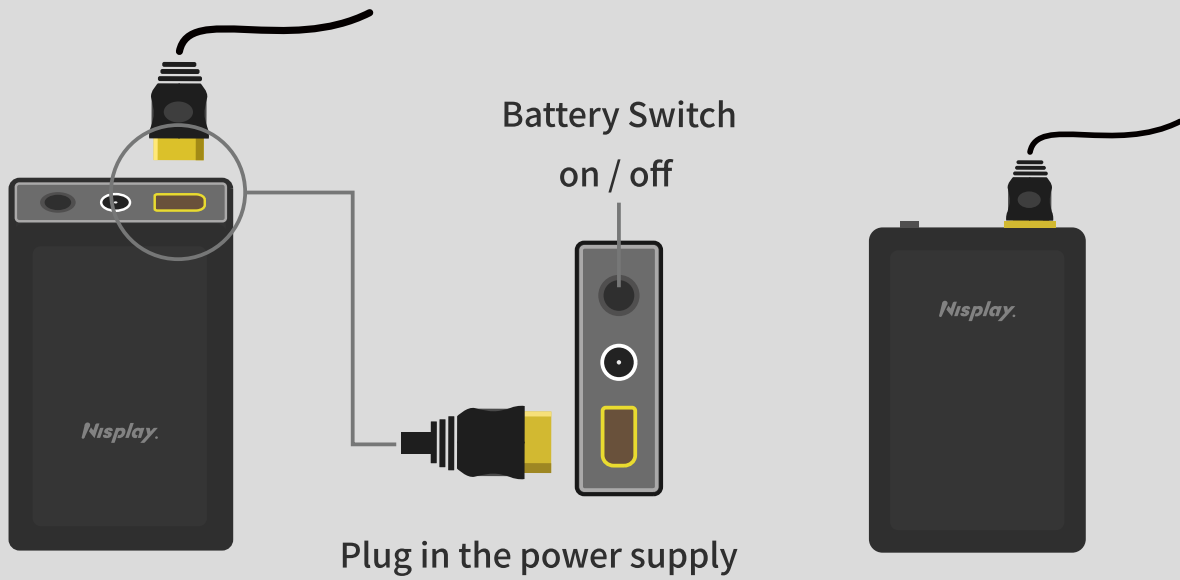
magnetic



4 Unzip the battery compartment.

Quick Start

5 Connect the battery



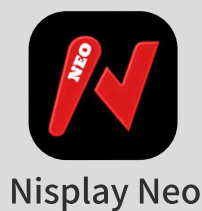
6 Load tennis balls into the ball hopper.



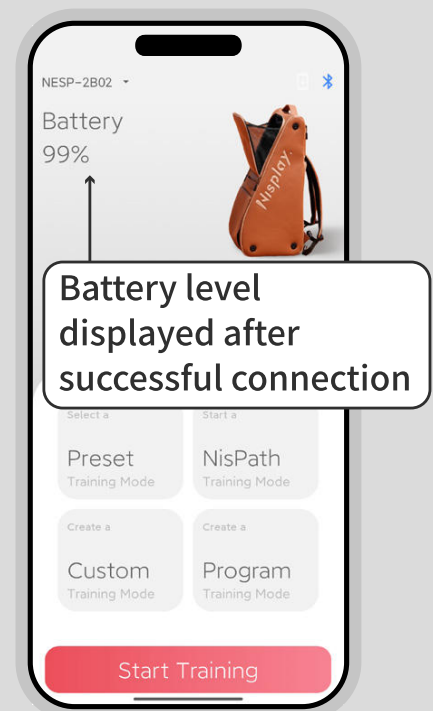
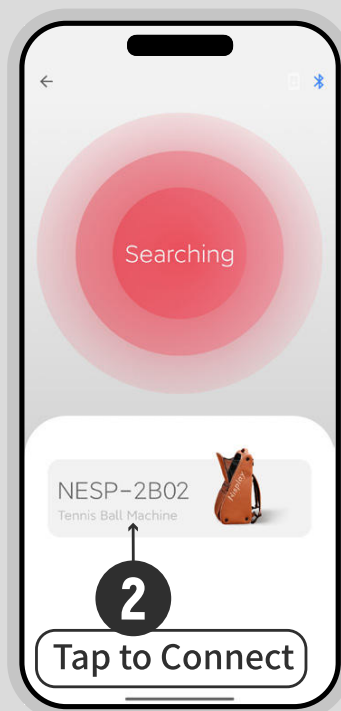
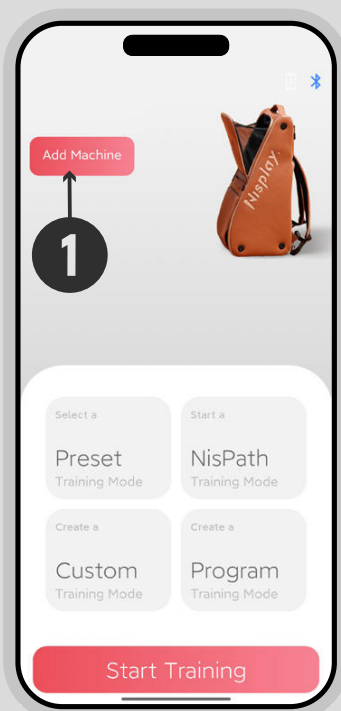
How to download the Nisplay Neo app

A variety of training modes are built in. Users can select and start training directly without customizing parameters.

iOS users, please download the Nisplay Neo app from the App Store.



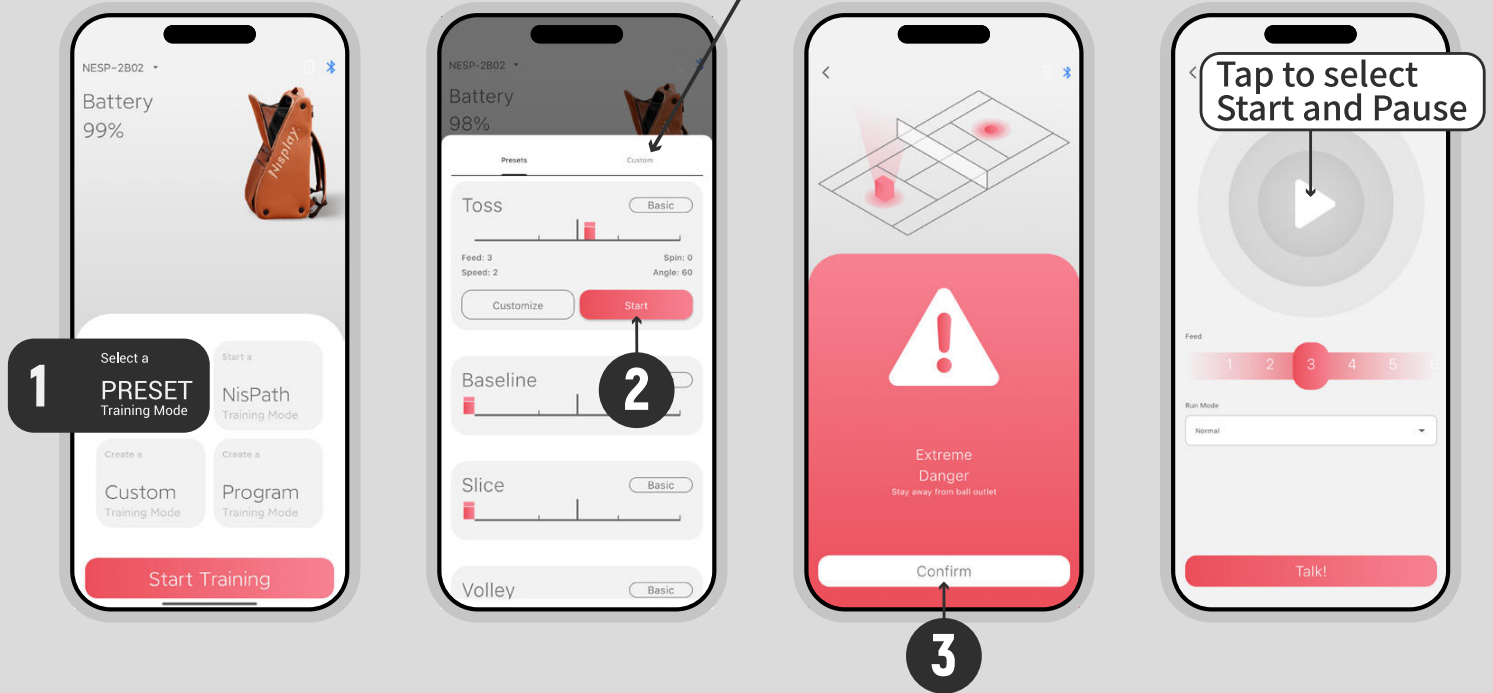
How To Connect The Device



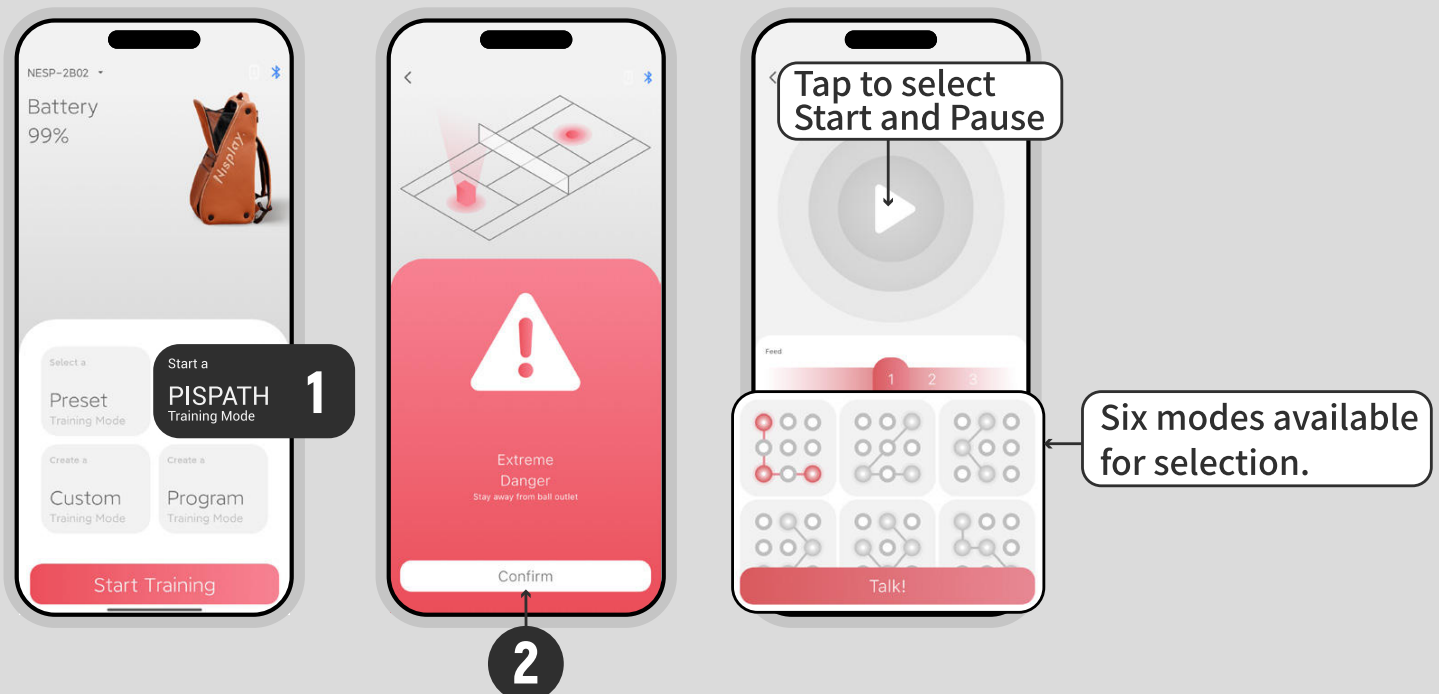
PART A: Phone App

1. How To Start A Preset Training Mode

Saved **custom modes** and **program mode** are here.

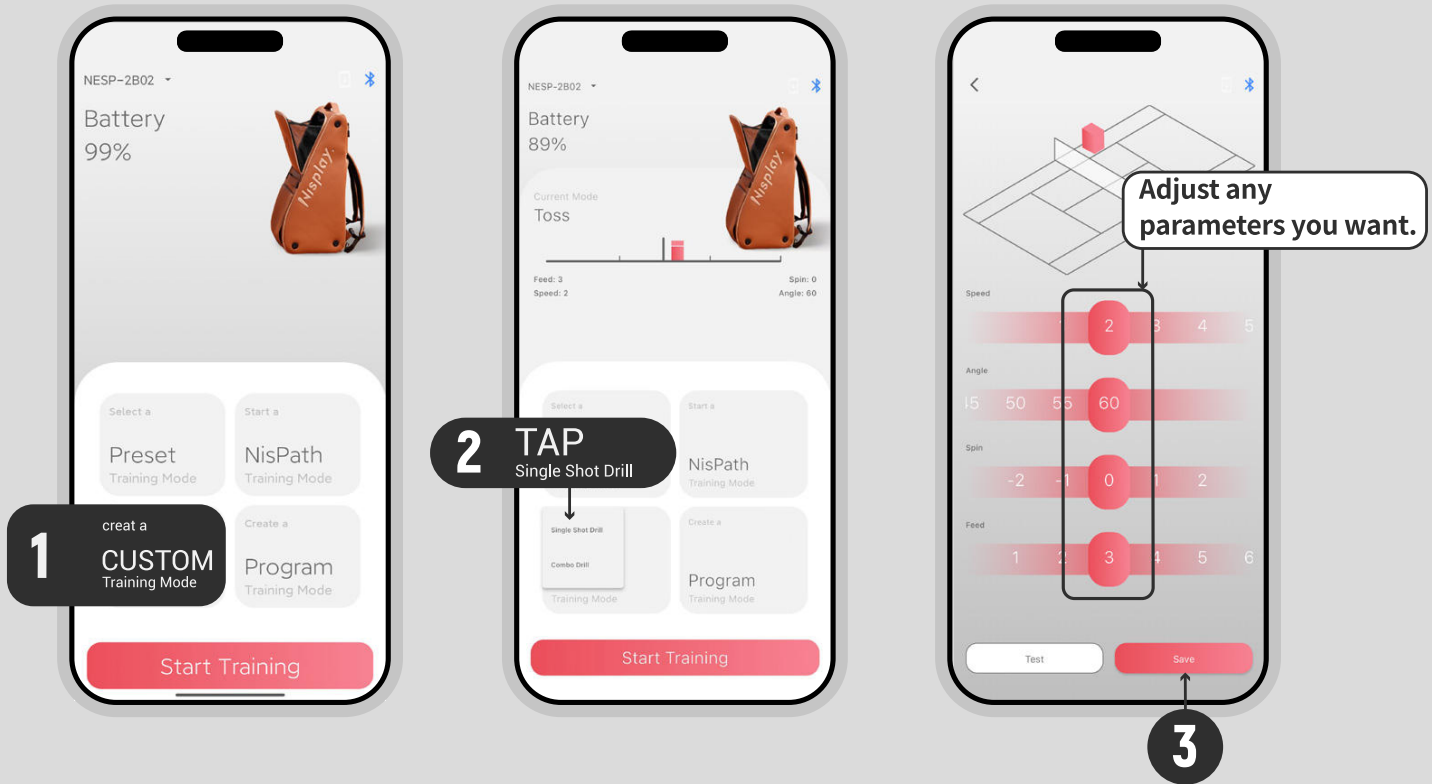


2. How To Start A Nispath Mode

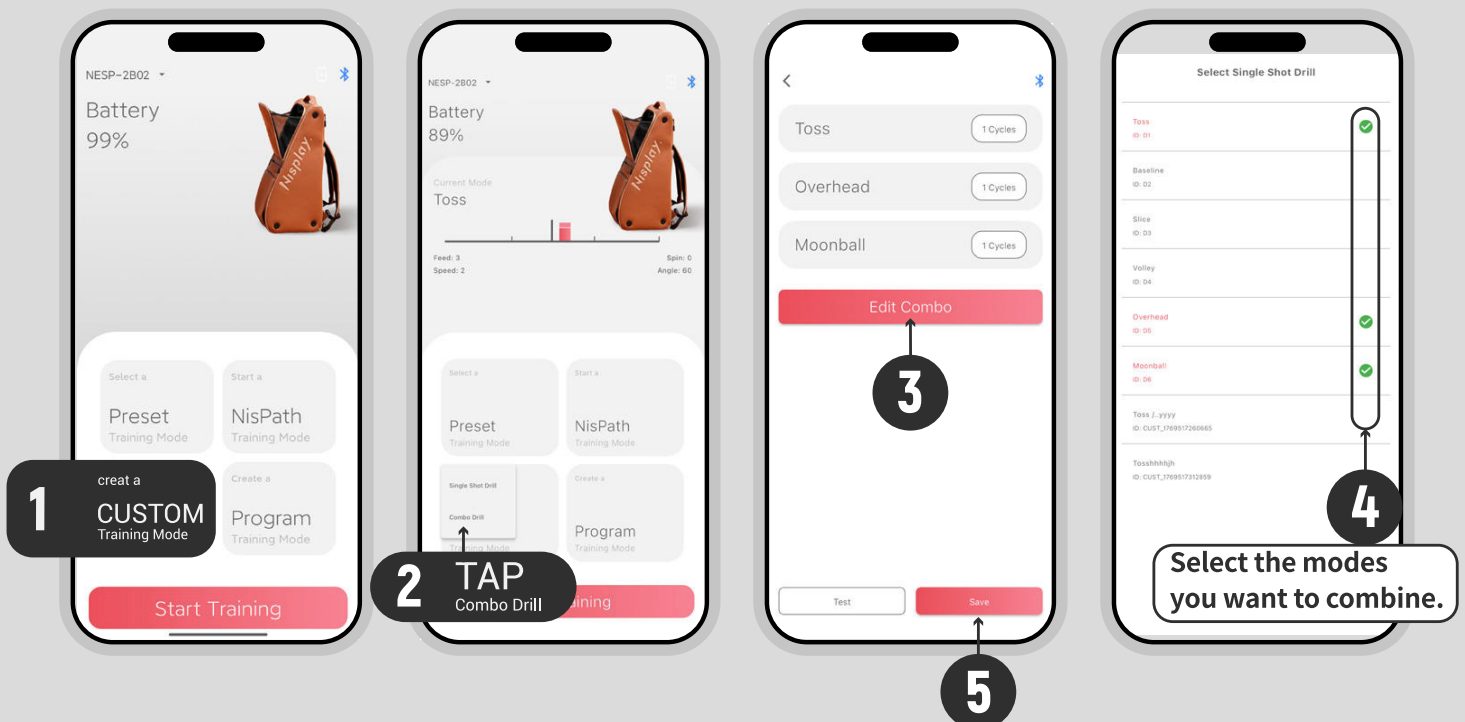


3. How To Create A Custom Mode

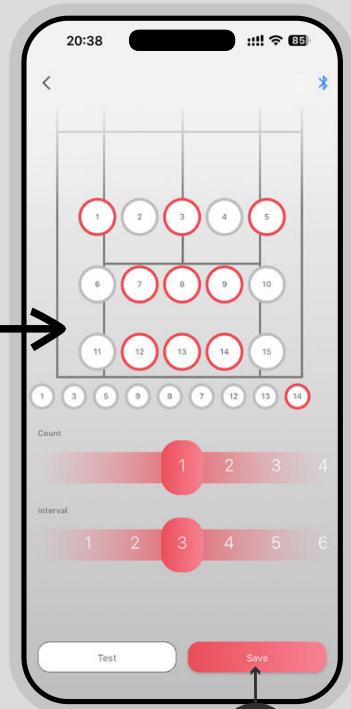
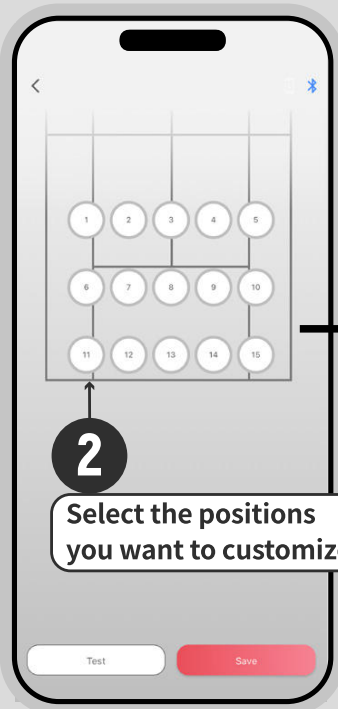
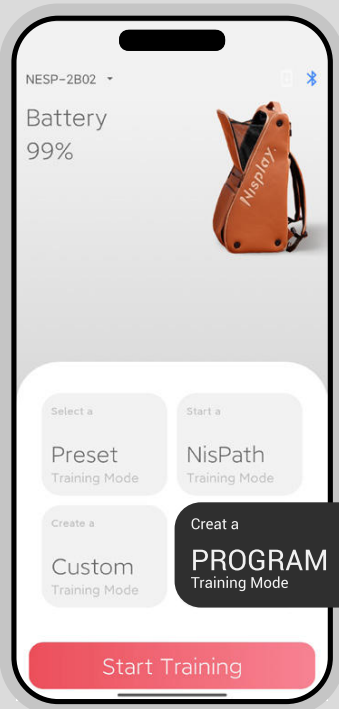
Single Shot Drill:



Combo Drill:



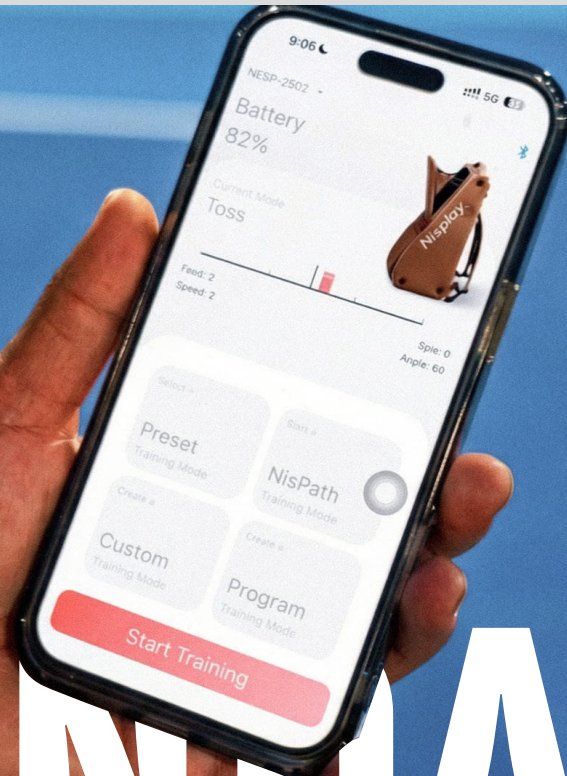
4. How To Create A Program Mode



CARRY

THE

STANDARD

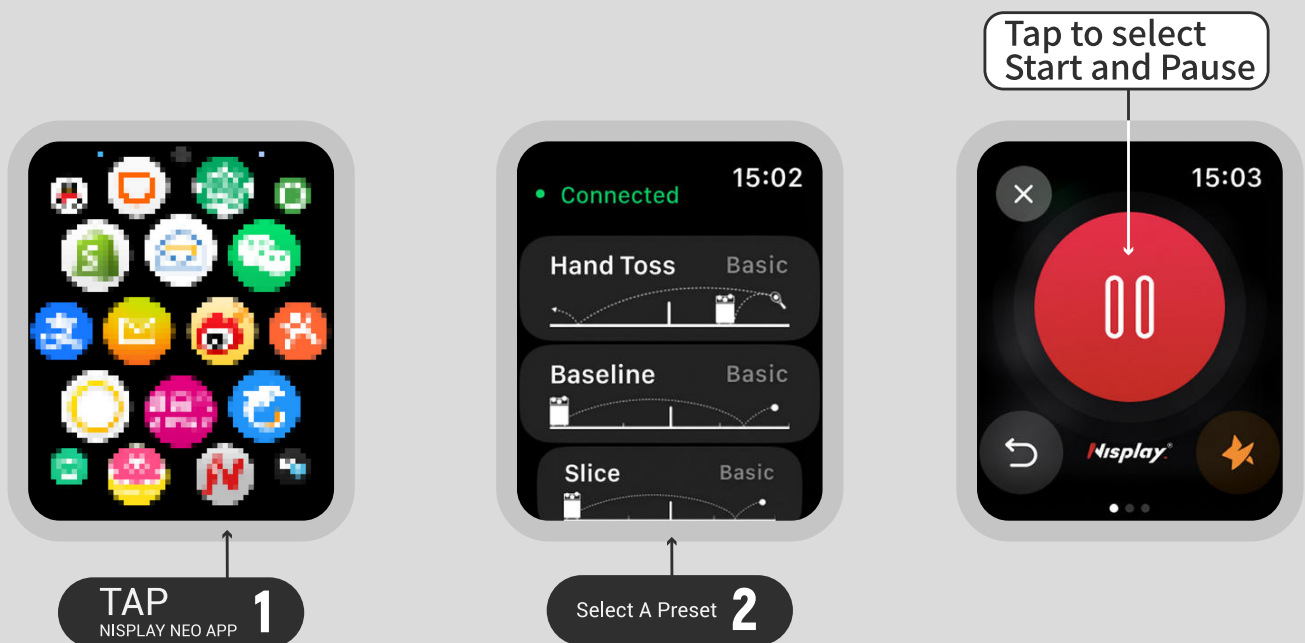


PART B: Apple Watch App

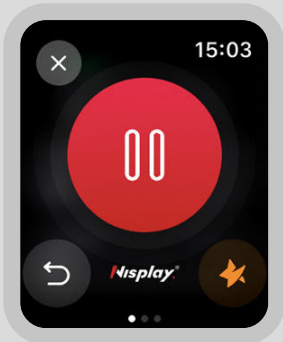
1. Before You Start

1. The Apple Watch app requires the Nisplay iPhone app.
2. Connect Y1 in the iPhone app first, then open Nisplay on Apple Watch.
3. Keep your iPhone nearby for a stable connection.

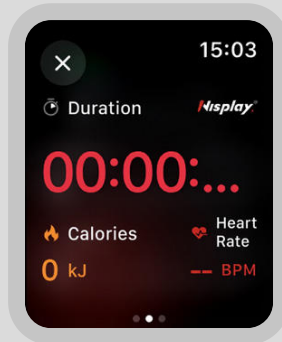
2. How To Start a Preset Training Mode



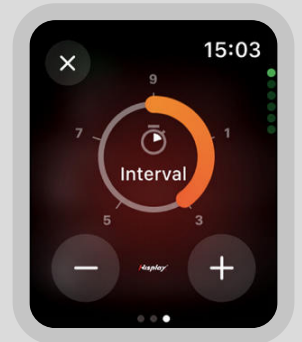
3. Quick Controls



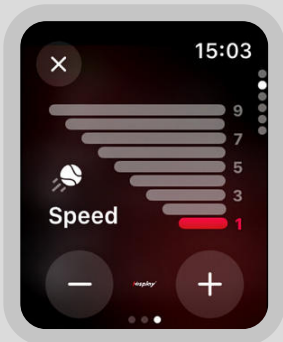
Start / Pause:
Start or pause ball feeding.



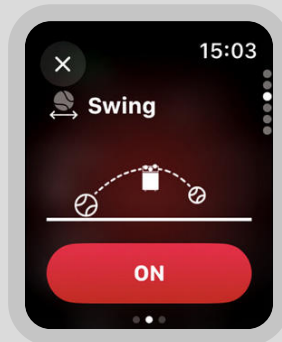
Duration:
Set how long the drill runs.



Interval:
Adjust the interval



Speed:
Increase/decrease ball speed.



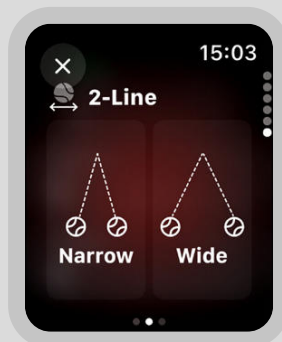
Swing:
Turn side-to-side oscillation



Elevation:
Adjust launch angle
(as displayed).



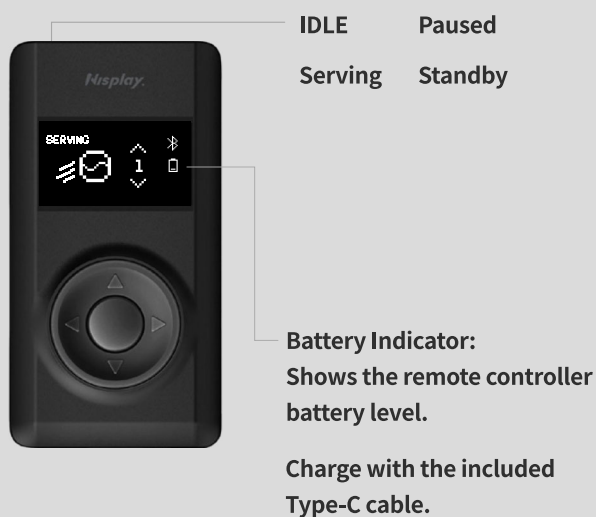
Spin:
Adjust spin level



2-Line:
Select Narrow or Wide.2

Remote Controller User Guide

Screen Display



IDLE Paused
Serving Standby

Battery Indicator:
Shows the remote controller battery level.

Button Overview



- ▲ “+” Increase the selected setting (e.g., speed up)
- ▼ “-” Decrease the selected setting (e.g., slow down)
- ◀ Previous item / switch adjustment option
- ▶ Next item / switch adjustment option
- Press once to wake the screen (when the screen is off).
- Press to Start / Pause the ball machine.

Bluetooth Pairing



Step 1

Press and hold the Up (▲) button for about 5 seconds. The remote will restart and enter Bluetooth pairing mode.

Note: Make sure the ball machine is powered on before pairing.



Step 2

On the remote screen, select and confirm the device to pair. After pairing, the device ID will appear (e.g., NESP-1234). Press OK to confirm.



Step 3

When pairing is successful, the Bluetooth icon will stop flashing and stay on. Pairing is complete.

Remote Controller User Guide

Remote Functions & Adjustments



SPEED

Adjust the ball speed.

Range: Level 1–9
(higher = faster)

- ▲ Speed+
- ▼ Speed-



FEED

Adjust the feed rate (balls per time).

Range: Level 1–9
(higher = more frequent)

- ▲ Rate+
- ▼ Rate-



SPIN

Adjust ball spin.

Positive (+) = Topspin
Negative (-) = Backspin / Slice

- ▲ Topspin +
- ▼ Backspin -



LAUNCH ANGLE

Range: 10°–50°
(higher = higher trajectory)

- ▲ Angle+
- ▼ Angle-



OSCILLATION

(Random Side-to-Side)

Turn random oscillation
ON/OFF

- ▲ ON
- ▼ OFF



2-LINE

A–A: Wide 2-line
B–B: Narrow 2-line
OFF: Disabled

- ▲ A→A' B→B'
- ▼ Switch modes.



DEEP-SHORT PATTERN

A–B
B–C
A–B–C

- ▲ AB BC ABC
- ▼ Switch patterns.

Battery Charging & Use Guide

To Extend Battery Life

- Turn off the ball machine after each use, then remove the battery.
- Disconnect the charger once the battery is fully charged. Do not leave it connected for long periods.
- Do not store the battery in a high-temperature environment (e.g., inside a hot car).
- Use only the supplied charger and approved Nisplay battery.
- Do not heat, disassemble, puncture, or modify the battery pack.
- Perform a full charge–discharge cycle about once per month.

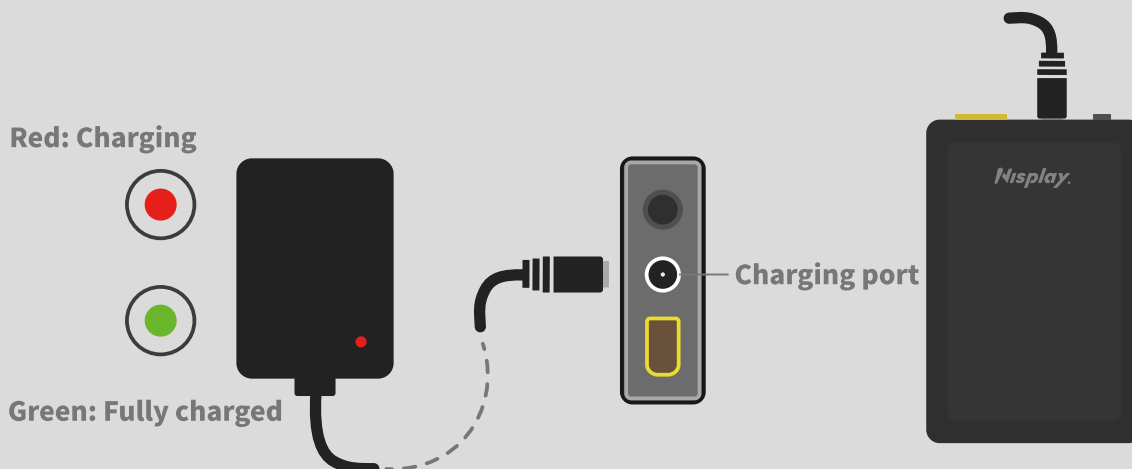
Charging

- Connect the charger to a power outlet
- Plug the charger into the battery charging port.
- Charge the battery until the indicator shows full.

Discharging (Recommended Use)

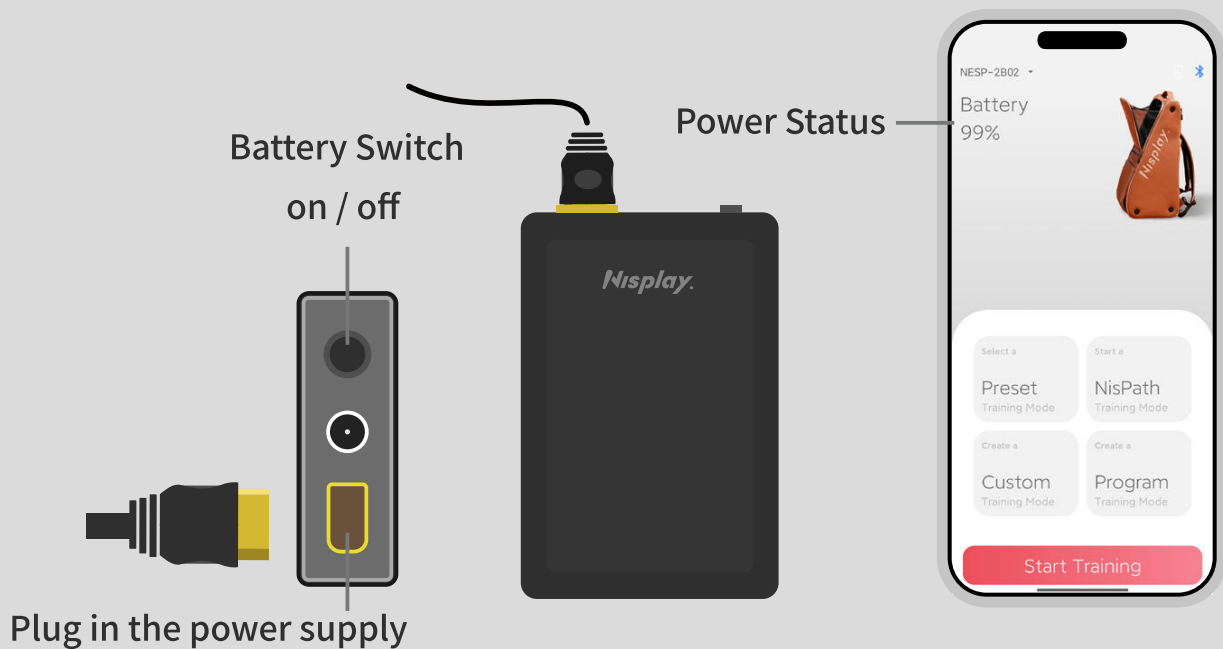
- After a full charge, use the battery until it is low, then recharge.
- Avoid frequent full battery discharge. Recharge before it is critically low to preserve performance.

Note: Battery performance may decrease in extreme heat or cold.



Typical charging time: about 2–3 hours (may vary by temperature and usage).

Battery Installation & Power



Power On

- Insert the battery into Y1.
- Toggle the battery ON/OFF switch to ON to activate power.
- Confirm the battery level in the Nisplay app (when connected) or on the remote controller (if supported).

Battery level is displayed in steps (for example: 100% / 75% / 50% / 25%), depending on the interface.

Charging Reminder

If the battery level is below 25%, recharge soon. Low battery may affect performance.

Portable Rechargeable Remote Controller (Optional)



Charging the Remote

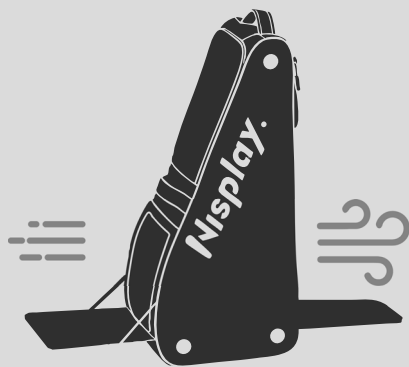
- Charge the remote using a Type-C cable.
- Use the included or certified Type-C cable for safe charging.
- Using non-approved chargers/cables may reduce battery life or cause safety risks.

Maintenance & Troubleshooting

Storage

- Store Y1 in a dry, clean place.
- Do not expose Y1 to rain or leave it outdoors.
- Do not store Y1 in a high-temperature vehicle.
- Extreme temperatures and harsh environments may affect the electronics and battery.

Cleaning



- Open the front and rear covers before cleaning.
- Use a vacuum to remove dust and debris inside.
- Wipe the exterior with a slightly damp cloth.
- Do not use chemical cleaners, alcohol, or corrosive solvents.
- Do not use compressed air to clean the machine.



Troubleshooting — Balls Stuck / No Feed

If a ball is stuck and feeding stops:

1. Power off Y1.
2. Remove the stuck ball(s) by hand.
3. Restart the Y1.

Important: Always power off before troubleshooting.

If the issue persists after removing the stuck balls, contact customer support.

Nisplay.

www.nisplaysports.com

 Instagram

[@nisplay_official](#)

 Youtube

[@Nisplay](#)

 Facebook

[nisplayofficial](#)

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.