

HAPTREX Exercise Module User Manual

For Smith Machines



Scan the QR code for the **online display manual**.
Read this manual before use for safe operation.

Installer / Administrator

Installation Date

Phone Number

For faster service, describe the issue and provide
your facility name or address when contacting
support.



Product Overview

The HAPTREX exercise module transforms a Smith machine into a smart training system.

Adjust resistance in both directions using the touchscreen.

Workout data is collected in real time and automatically logged in the cloud for analysis.

Real-time safety monitoring and assist functions help prevent injury.

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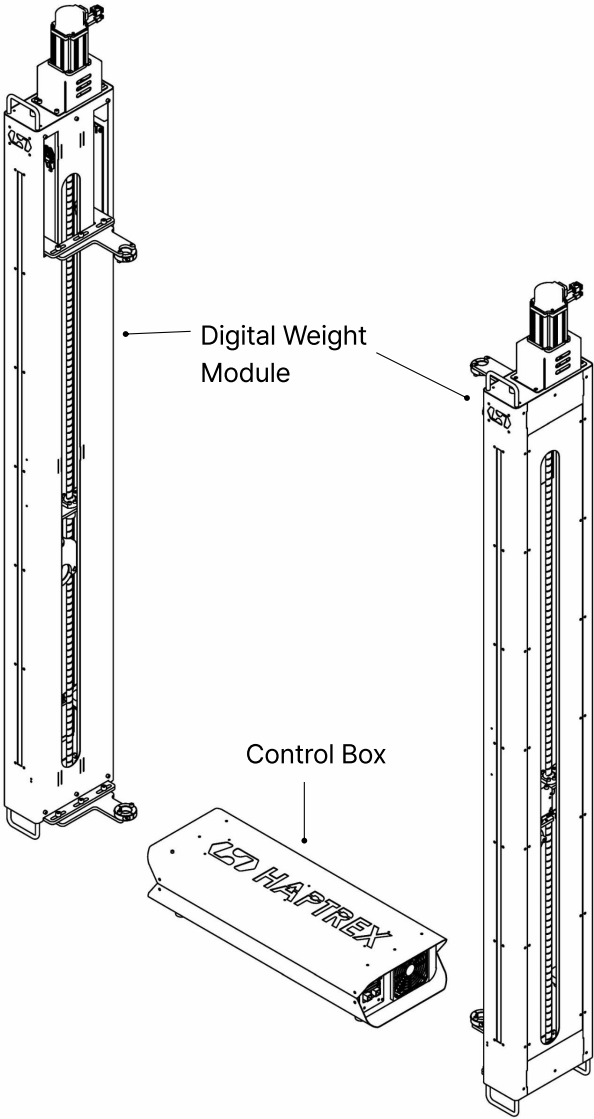
- Positioning Mode

- Calibration Mode

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Parts Overview



Safety Precautions

Read these instructions before use to reduce the risk of injury or equipment damage and ensure the safety of all users.

Electrical Safety

- Do not use a damaged power cord or operate with wet hands. Risk of electric shock.
- Use only the rated power supply and connect to a grounded outlet.

Safe Operation

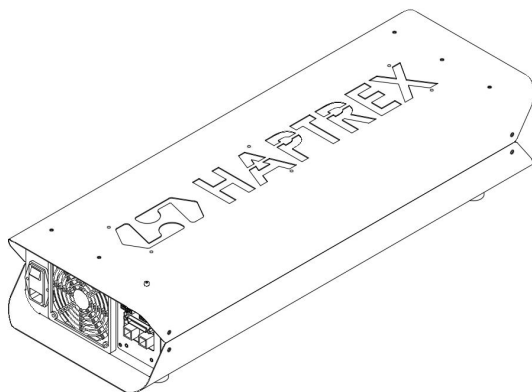
- Check that the tablet is connected before use.
- Do not exceed the maximum load of 200 kg.
- Keep your head, neck, feet, and other body parts out from under the bar and clear of its path.
- The bar moves automatically in Positioning Mode. Do not touch the bar or rails while it is moving.
- Do not suddenly release the bar during exercise. It can descend forcefully, like a loaded barbell.
- Avoid slippery floors and footwear, and maintain proper form.
- Do not modify or disassemble the equipment. Stop using it if it is damaged.
- Do not touch the bar during measurement or calibration (flashing orange LED).

Automatic Safety Features

- If power is lost or a fault occurs, the motor brake holds the bar in place.
- In Positioning Mode, contact with a person that produces a detected force of 10 kg or more switches the system to Weightless Mode.
- Bar speed is limited to a maximum of 1 m/s.

Power On and Off

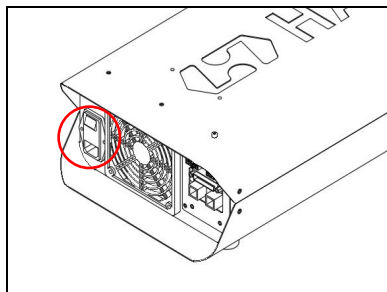
The power switch is on the side of the control box.



Turning On

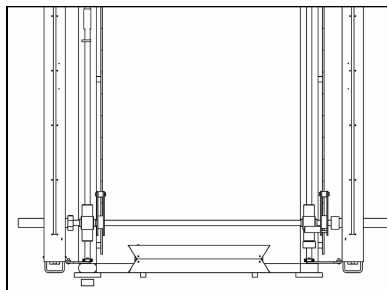
Locate the power switch beside the cooling fan on the control box.

Press the switch to turn on the equipment.



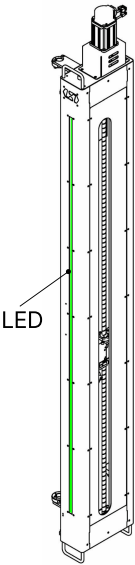
Turning Off

1. Lower the bar to its lowest position.
2. Press the switch to turn off the equipment.

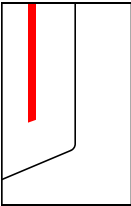


LED Indicators

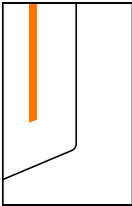
The LEDs show equipment status and bar movement during exercise. Refer to the guide below to understand each color.



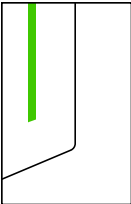
Understanding the LEDs



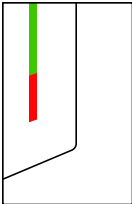
Red
Bar is locked.
Rotate the bar to
disengage it.



Orange
Wait. Do not hold or lean on
the bar. It is moving to a set
position or measuring
position and force.



Green
Weightless Mode is active.
Move the bar by hand; it
stays in place when released.



Green + Red
During exercise, green
shows bar movement
within the normal range.
Red marks the safety stop
zone outside that range.

Operating Modes

About Operating Modes

- Operating modes control how the bar behaves based on your touchscreen selections, app settings, and workout stage. Check the LEDs and display to identify the current mode.

Mode Overview

Mode	When Active	Bar Behavior
Workout	After selecting weight and starting a set	Drops under load when released
Weightless	Before or after exercise, while preparing	Feels weightless; stays in place when released
Positioning	During automatic height adjustment	Moves automatically
Calibration	On first use or after extended use, to calibrate weight and load	May move slightly during calibration

Workout Mode

- Select an exercise and weight, then start a set. The system applies the selected resistance.
- The bar initially stays in place until you apply force.
- Apply force equal to the selected weight to release the bar and move it freely.
- For upward movements (e.g., squats), push up.
- For downward movements (e.g., lat pulldowns), pull down.
- When you release the force, the bar returns under load, like lowering weight plates.

Safety

Bar speed is limited to the configured maximum.

LED Indicators in Workout Mode

LED Color	Meaning
 Orange	Bar is stationary and ready for force to be applied
 Green	Shows the area from the bottom to the bar
 Red	Safety stop zone: the bar must not enter
 Off	Unoccupied area beyond the bar

Operating Modes

Weightless Mode

- Use before exercise or for unloaded movement, such as stretching or rehabilitation.
- The bar feels almost weightless, as if suspended in the air.
- When released, it stays in place without dropping.
- Push gently upward to raise it, or press downward to lower it slowly.
- Speed is limited to prevent sudden acceleration.

LED Indicators in Weightless Mode

LED Color	Meaning
● Green	Soft, spreading light pattern

Positioning Mode

- Before exercise, the bar moves automatically to the appropriate height.
- No force is needed; the bar moves to the target position on its own.
- Once there, it stops and waits.

Safety ⚠

- The bar moves automatically. Do not lean on it or place your body underneath it.
- If contact with a person or object produces a detected force of 10 kg or more, the system switches to Weightless Mode.

LED Indicators in Positioning Mode

LED Color	Meaning
● Orange	Bar moves automatically

Calibration Mode

- On first use or after extended operation, the sensors calibrate the zero point and compensate for the equipment's own weight.
- The bar moves automatically during calibration. Keep people and obstacles clear and maintain a safe distance.

LED Indicators in Calibration Mode

LED Color	Meaning
● Orange	Light gently fades in and out

Display Controls and Features

For full instructions on the display app and its features, see the online manual.

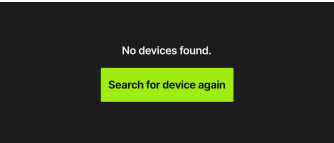


Precautions

- Protect the display from strong impacts, which may damage it.
- A poor Wi-Fi connection may slow touch responses or prevent services from working properly.
- Content, features, and design may change or be discontinued due to updates or company policy.

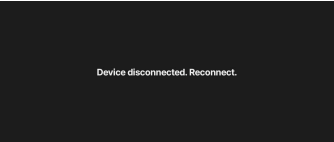
Troubleshooting

Common Issues and Solutions



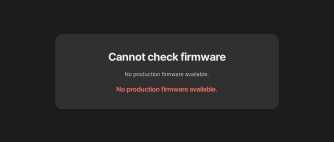
01. No Devices Found

No available devices were found. Check that the equipment is powered on and the USB cable is connected, then search again.



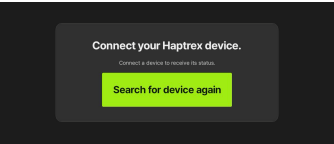
02. Device Disconnected

Communication with the control box was lost. Check the USB and power connections, then reconnect through the app.



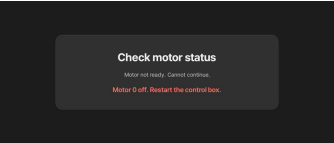
03. Cannot check firmware

No operating firmware is available to install. Contact the technician assigned during installation.



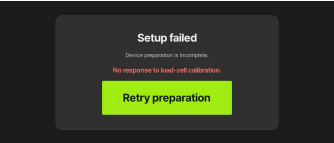
04. Connect Your HAPTREX Device

The app cannot retrieve the device settings. Reconnect the USB cable, then tap the button to search for devices again.



05. Check Motor Status

The motor driver is not ready. Turn the equipment off and on, then reconnect.



06. Setup failed

Tap the button to restart device initialization and try again.

For any other issues, contact support by support@alicepro.co.kr

Service and Support

[Email]

support@alicepro.co.kr

For faster service, describe the issue and provide your facility name or address when contacting support by phone or email.