

Rapsodo®

HITTING 2.0

USER MANUAL

Powered by: Rapsodo

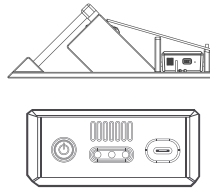
CONTENTS

What's Inside the Box	1
Cloud + App	2
Overview	3
Operating the Monitor	4
Understanding the Monitor LED Displays	5
Operating the Rapsodo Computing Engine (RCE)	6
Understanding the RCE LED Displays	7
Charging the Devices	8
Pairing the RCE and the App	9
Device Placement and Setup	10
Calibration	11
Troubleshooting Table	12
Specifications	13
General Information	14
Support / Contact	15

WHAT'S INSIDE THE BOX



Monitor



Protective Tank & RCE



USB Cables & Charger



Measuring Tape



Monitor Clip



Quick Start Guide

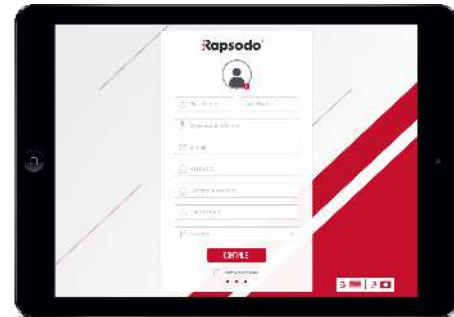


Protective Cases

CLOUD + APP

1. Create a coach account and player profiles at cloud.rapsodo.com
-

2. This will be your username and password to login to both the cloud and applications
-



3. The Rapsodo Hitting App must be downloaded in order to use **HITTING 2.0**
-



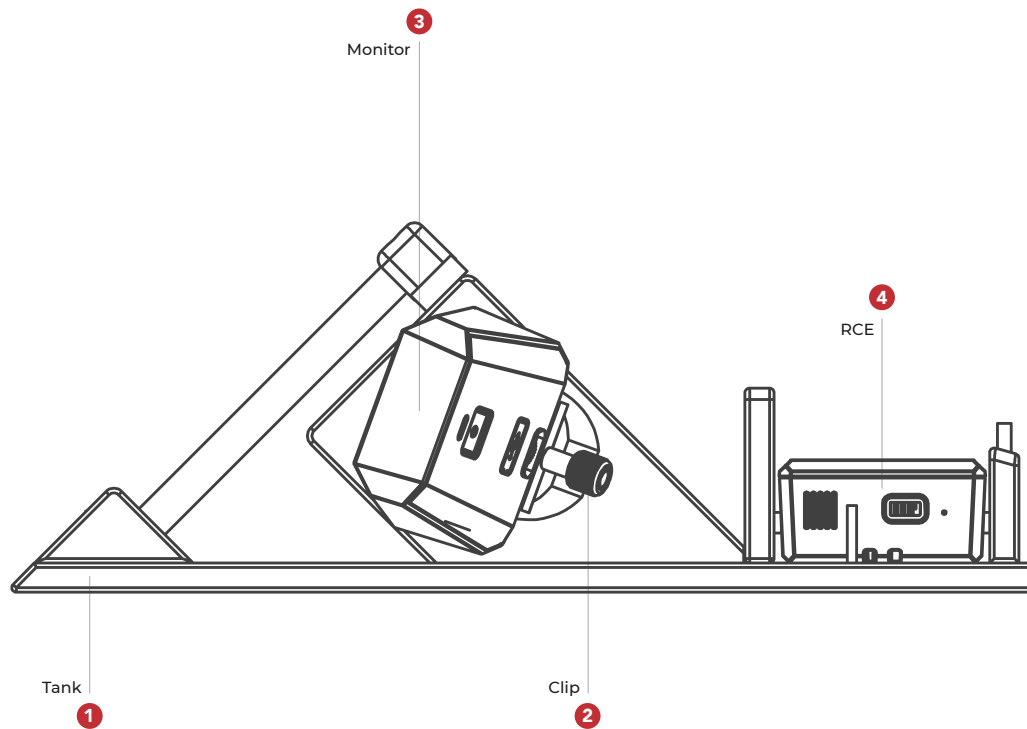
4. To download go to the **Apple App Store** and search **Rapsodo HITTING**



App Requirements:

- iOS 10.3 or later
- iPad Air 2 or newer

OVERVIEW



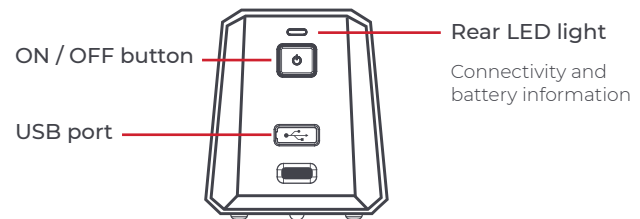
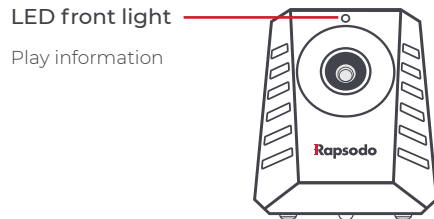
OPERATING THE MONITOR

Turning the Monitor ON

- To turn the monitor on, press the power button
- The front LED display will turn RED indicating the monitor is on but not ready to measure
- The rear LED will turn RED when ready to connect

Turning the Monitor OFF

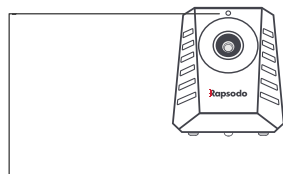
- Press the power button



UNDERSTANDING THE MONITOR LED DISPLAYS

Front LED Display

The front LED display provides information on the monitor status, and will give the “**green light**” to hit when the device is ready to measure.



RED LIGHT “NOT READY”

Monitor is switched on, but not ready to measure.

GREEN LIGHT “PITCH”

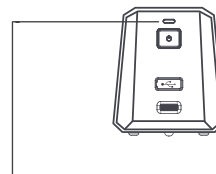
Monitor is ready for hitting. When appearing after blue light just after a hit: data is ready to be viewed on app, and ready for next hit.

BLUE LIGHT “PROCESSING”

Monitor is processing data after a valid hit. Wait for the green light to appear which should take only a few seconds.

Rear LED Display

The rear LED display provides information on connectivity and battery. This display will be especially important when pairing the app with the monitor.



RED LIGHT

Not connected to RCE, waiting for USB sync.

GREEN LIGHT

Successfully connected to RCE through USB.

RED FLASHING LIGHT

Warning for low battery, please recharge monitor.

AMBER LIGHT

Switched off, and charging.

OFF

If USB is plugged into a charging device or PC, it means the battery is fully charged.

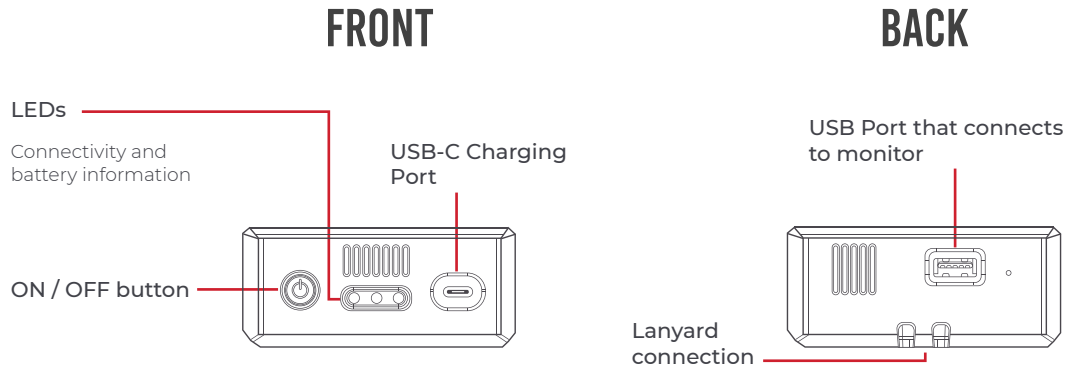
OPERATING THE RAPSODO COMPUTING ENGINE (RCE)

Turning the RCE ON

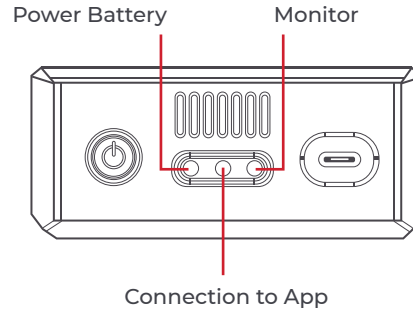
- To turn the RCE on, press the power button
- After 10-15 seconds the power LED will turn on and the RCE will be ready to connect to the monitor









Turning the RCE OFF

- Press the power button
- It will take 10-15 seconds for the RCE to turn off



UNDERSTANDING THE RCE LED DISPLAYS



-  RCE and monitor connected
-  RCE and monitor connected to application, needs calibrated or on 'Pause Mode'
-  Ready to record data
-  Data processing
-  RCE switched off and charging
-  Warning for low battery, please recharge monitor
-  RCE turned on, not connected to app and monitor
-  RCE turned on, connected to app but not the monitor

CHARGING THE DEVICES

Charging the Monitor

- The battery can be charged by connecting the included USB cable into the port on the rear monitor panel
- The rear LED will show AMBER indicating the monitor is charging
- The rear LED will switch off indicating the device has been sufficiently charged
- The LED indication will blink red indicating the battery charge is getting low and the battery should be charged

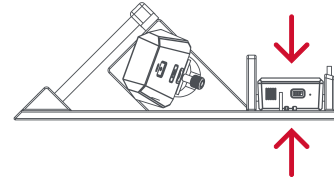
Charging the RCE

- The battery can be charged by connecting the included USB-C cable to the USB-C charging port (located on the side of the power button)
- The power LED will show AMBER indicating the monitor is charging
- The power LED will switch off indicating the device has been sufficiently charged
- The LED indication will blink red indicating the battery charge is getting low and the battery should be charged

The monitor and RCE must be charged separately to ensure a complete charge for each device

PAIRING THE RCE AND THE APP

1. Connect the RCE to the monitor via USB to mini USB



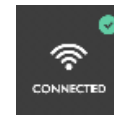
2. Press the power button on the monitor and RCE



3. Connect to Rapsodo Wifi in iPad settings



4. Open the Rapsodo HITTING 2.0 app and press the Wifi connection button

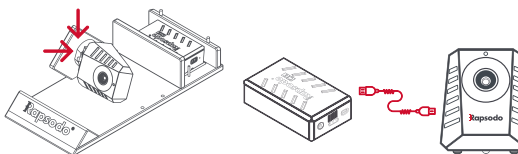


DEVICE PLACEMENT AND SETUP

Rapsodo HITTING 2.0 operates in a tank. Correct positioning is important to get accurate results.


1. Internal Tank Set-Up

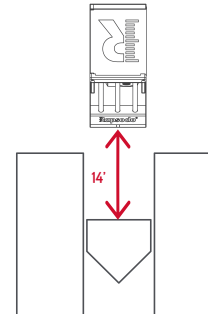
1. Attach monitor to mount plate
2. Place RCE in housing
3. Connect USB from monitor to RCE



2. Tank Positioning

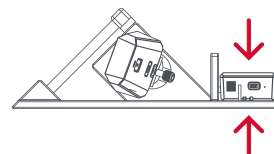
Rapsodo HITTING 2.0 should be placed 14' from the front of home plate and the camera opening should face the batter. The tank should be placed on an even surface and SHOULD NOT be used in the rain or wet conditions.

-  Rapsodo HITTING 2.0 should only be used at the designated distance and on a flat surface. Improper placement may cause injury.



3. Calibration

1. Align monitor angles with help of the application
2. Use azimuth view and tape measure to position the tank directly in the center of home plate.

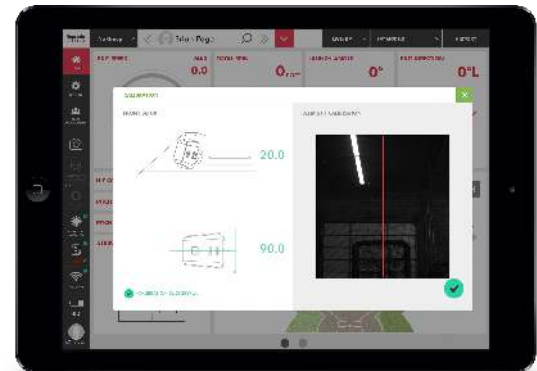


CALIBRATION

1. Press calibration icon inside app

2. Adjust monitor angles to 20 degrees and 90 degrees

3. To calibrate the monitor have a person stand on the center of home plate. The red line in the azimuth view should go directly down the middle of home plate.



TROUBLESHOOTING TABLE

**App shows low
monitor battery**

Charge RCE and monitor separately

**Results seem
inaccurate**

Make sure the tank is placed at 14' and you have correctly calibrated the monitor

**Can't connect
to app**

Connect to wifi and calibrate from the play tab inside the app

**Data not syncing
to cloud**

Disconnect from RCE wifi and connect to an internet based wifi. Press sync and leave app open

SPECIFICATIONS



Exit Velocity

Exit Velocity is the speed of the baseball as it comes off the bat after contact.



Launch Angle

Launch Angle is the vertical angle at which the baseball leaves the bat after contact.



Direction

The direction, plotted on a baseball diamond, that an in-play ball takes in flight.



Spin Rate

The rate at which the ball spins during flight after contact, measured in rotations per minute (RPM).



Spin Direction

The tilt or angle of the baseball from the contact point, measured in degrees, created by the Magnus effect. The Magnus Effect is created by the air pressure surrounding the spinning baseball on its path from the bat.



3D Ball Flight

Instantly track the ball off the bat to see the actual ball flight of the projected hit.

GENERAL INFORMATION

Interference

Rapsodo HITTING 2.0 is an extremely sensitive and accurate data-tracking monitor. While Rapsodo HITTING 2.0 hardware has been engineered to achieve accuracy within a regular baseball environment; many everyday items like electrical appliances, computers, cell phones, bulbs, etc. may produce electrical or optical interference that can generate false readings. You need to be aware of these kinds of products in the environment where Rapsodo HITTING 2.0 is used, as they may cause interferences.

Use In Well-Lit Environments

Rapsodo HITTING 2.0 should be used in well lit locations. Performance may vary in certain lighting conditions, particularly in low light conditions, which may result in incorrect measurements.

Do not use Rapsodo Hitting 2.0 in Wet Conditions

Rapsodo HITTING 2.0 is not water resistant. Do NOT expose the device to water as it may get damaged.

App Updates

Rapsodo will periodically update and improve the features of the Rapsodo Baseball app. It is recommended that users regularly download the latest version to make for the highest monitor performance.

Return Policy and Warranty

Rapsodo provides a (1) one-year limited warranty for manufacturing defects. Under conditions of the warranty agreement, purchasers will be entitled to repair or replacement for defective Rapsodo products. This warranty begins from the date of initial purchase. Rapsodo may also choose to refund the purchase price of the product to the purchaser, at its sole discretion. Warranty detailed information and return policy can be found online at www.rapsodo.com/policy-warranty.

Regulatory notice: Waste electrical and electronic equipment

The symbol on the product or its packaging signifies that this product has to be disposed separately from ordinary household wastes at its end of life. Please kindly be aware that this is your responsibility to dispose electronic equipment at recycling centres in order to help conserve natural resources. Each country in the European Union should have its collection centres for electrical and electronic equipment recycling. For information about your recycling drop off point, please contact your local electrical and electronic equipment waste management authority. Do not dispose of the Rapsodo device with household waste. Batteries are not to be disposed of in municipal waste stream and require separate collection. Disposal of the packaging and your Rapsodo should be done in accordance with local regulations.

SUPPORT / CONTACT

If you have any questions or need any assistance, please contact us at:

Email: support@rapsodo.com

Phone: 1.844.772.7763

www.rapsodo.com