

**USER MANUAL** 

#### YOUR RAPSODO BASEBALL KIT

WHAT IS IN THE PACKAGE?











USE THE DATA TRACKING MONITOR

2



MONITOR & RCE BAGS

DOWNLOAD THE RAPSODO BASEBALL APP



iPad Air, Air 2, Pro iOS 8 0 or later









FOR WINDOWS 10 / 8 / 7, DOWNLOAD THE APPLICATION FROM WWW.RAPSONO.COM/RASERALL

## 2. Enter "Rapsodo Baseball Hitting" in the Search function at the bottom left 3. The Ann Store will display the annicon, and feature a "free" button next to it S. Tile App Store will display the approximate reaches after before mexicon the fire of the fire

1. From your mobile device, find the 'App Store' icon and dick on it.

#### 6. Once the download is complete, follow the connection steps to sync your app with your device.

THE FREE RAPSODO BASEBALL APP MUST BE DOWNLOADED IN ORDER TO

#### GETTING TO KNOW RAPSODO BASEBALL

The Rapsodo Baseball monitor features 2 LED displays, one at the front and one at the rear, which provide information during each step of the set up process and in the data tracking mode. The tables hereafte provide an overview of each status, and will be key throughout the "getting started" instructions.





#### UNDERSTANDING THE MONITOR & LED DISPLAYS

- Charge the monitor's battery by plugging in the provided USB cable (or any standard USB charger) into the port on the rear monitor panel. The rear LED will become an amber color, confirming that the device is
- charging.

  Once the battery level is sufficient, the rear LED will turn off. Note for future usages: if the rear LED light is flashing red, the battery level is low and requires charging.
  Please refer to "Understanding LED messages" section for further details.
  When used with RCE, monitor doesn't need to be removed from protective cover in Front Hitting Position,
- RCE will charge the monitor. Make sure RCE is fully charged before use.

#### TURNING ON THE RAPSODO MONITOR

- To turn the monitor on, press the ON/OFF button (located on its rear side) for 2 seconds
- The front LED display will turn RED, which means that the monitor is switched on, but not ready to
- The rear LED will also become active (its color depends on the state of the device. Please refer to "Understanding LED messages" section for details).

## TURNING OFF YOUR RAPSODO BASEBALL

- . When the training session has concluded, just turn the Rapsodo Baseball monitor off by simply pressing
- on the ON/OFF button (located on its rear side), and dismantle the monitor from the tripod.

  It is recommended to store the monitor and the tripod in the bags provided with the product package.

green light to appear which

REAR LED DISPLAY:

monitor status, and will give the "green light" to hit when the device is ready to measure. GREEN LIGHT Monitor is ready for hitting.

"ready" When appearing after blue light
just after a pitch: data is ready to
be viewed on app, and ready for
next hitting. 0

The front LED display provides information on the



#### GETTING TO KNOW RAPSODO COMPUTE ENGINE (RCE).



#### UNDERSTANDING THE RCE & LED DISPLAYS

- Rapsodo Compute Engine works with the Baseball Monitor. It communicates with the monitor via USB and analyzes the data captured by the monitor.
- Rapsodo Compute Engine communicates with the PC or iOS device via WiFi. See the PAIR THE RCE
   AND THE APP section for how you can connect to RCE to your PC or tablet.
- . The LEDs on the RCE mimics the monitor, Please see below for further details, You can always rely on monitor's LED for status of the combined system.

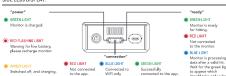
#### CHARGING THE RCE

- Charge the RCE's battery by plugging in the provided USB C Type cable to the port on the side of the Power Button (Type C USB connector). The Power LED will become amber color, confirming that the RCE is charging.
  • Once the battery level is sufficient, the Power LED will turn off.
- . Note for future usages: If the Power LED is flashing red, the battery level is low and requires charging TURNING ON THE RCE
- . To turn RCE on, press the power button for 2 seconds.
- The Power LED will turn on and RCE will be ready to connect to Baseball Monitor.

#### TURNING OFF THE RCE

When training session is completed, RCE can be turned off by simply pressing Power Button. It will take a few seconds for RCE to turn off. (After going through a proper shutdown sequence)

#### SIDE LEDs DISPLAY:



#### WHAT DATA GETS MEASURED



D

EXIT DIRECTION





ANALYSIS



ANGLE



SPIN RATE

Veasured in rotation

SPIN AXIS



Shown with a graphic

#### PAIR THE RCE AND THE APP

To operate Rapsodo Baseball, it must be connected to the RCE via USB and RCE must be connected to the Rapsodo Baseball App on a PC or tablet via WiFi.

(USB device port on RCE is used for charging). To turn the monitor on, press the ON/OFF button (rear side)

for 2 sec. The front LED display will turn RED, which means that the monitor is switched on, but not ready to measure yet. Once RCE is connected to the Rapsodo Baseball application, both RCE and monitor connection LED will turn green.



#### PAIRING THE RCE WITH WIFI (FOR IOS DEVICES OR PC)

The WFI Direct mode does not require an existing WFI network or router. In this mode, the monitor RCE will appear as a WFI router and you can attach your tablet or PC to the RCE wis WFI as if it is connecting to a router. This is the default made for MCE. Even if you want to connect in WFI network mode in future uses, you need to see up this mode list to configure the RCE.

- os annum instructure.

  Connect to the access point named "RappodoBasebal JOOO!" in WFI. The XXXX denotes a unique number for your monitor.

   On your tablets Go to Settings.—WFI! You should see "RappodoBaseball JOOO!". Connect by tapping it in the list.

   On your PC. Click on the WFI signific on your computer and calcst. "RappodoBaseball JOOO!" from the dropbox menu click." Connect". Once the connection is established, go to the Rappodo Baseball JOOO!"
- Open the app. It will attempt to connect to the RCE. Once the connection is established, a green check mark appears on the WFF icon and the RCE's connection LED and monitor's rear LED will turn green.



Memortant Note:
Only one tablet or PC can be paired to the RCE at a time. If you want to use another device, you must first disconnect the tablet and/or PC, and follow the same procedure to sync the new device.

## SETTING UP THE MONITOR AND THE RCE ON THE FIELD

Rapsodo Baseball operates on a tripod that is provided in the product package. The technology is based on camera and radar. As correct positioning is important to get the quality of results, it is recommended to carefully follow the set up instructions the set up instruction

# SETTING UP THE MONITOR AT FRONT POSITION We recommend you to attach the monitor before you place the protective cover on the ground. To do this attach the mount plate to the monitor first, and protective cover in the monitor to the receiving housing inside the protective cover. Firmly thighten the monitor recew. The shield shall be installed 14 ft from the home plate and the camera opening should face the hitter. The protective cover should be on same axis as the home plate and the pitcher's mound. 1. Screw the rotating head firmly to secure the device in its position. 2. Tap "Next" button on the app: the screen will show an image of what the monitor sees. This image will refresh periodically. The app also displays a center line on the view. At any time, you an use this center line to ensure that the monitor is properly facing the pitcher. ctive cover should be placed on an even surface and Place the RCE to its housing and connect the USB cable to the should not be used on a wet or eccessively dusty surfaces. During and after this calibration step, the monitor and Rapsodo The protective cover shall only be used at designated distance and on a flat surface as described in this user Baseball app will continue to monitor the roll and tilt angles. If these angles go beyond the allowed margins, the app will display a notification prompting you to restart the collection prompting. manual. The protective cover designed to reflect off balls away from hitter and catcher. Improper placement of protective cover may cause balls to ricochet back towards to hitter or catcher and may cause injury. the calibration procedure.

## YOU'RE READY TO TRACK THE HITS

In some versions of the Protective Cover, there may not be a adjustable head for calibration. In these cases, the protective cover is designed with the correct caliration metrics and no adjustment will be In some versions of the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, there may not be a adjustable near or Campington and the Protective Cover, the Protective Cover,

## STARTING TO MEASURE HITS

The monitor and the RCE should be switched on and paired to the app. The front LED display should show a GREEN light on the monitor and all LEDs should be GREEN for the RCE. As a reminder, if the monitor shows a RED light, it means the device is not connected.

## ANYTIME THE MONITOR FRONT LED IS GREEN, IT MEANS THAT IT IS READY FOR MEASUREMENT, AND YOU CAN HIT.

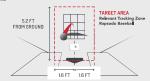
After a hit, the front LED of the monitor turns BLUE to indicate that it is calculating hit data. Once the results are ready, the front LED turns GREEN and results appear automatically on your app dashboard

NOTE - optimum baseballs condition: The use of synthetic cover baseballs and balls featuring surface blemishes near the seams are not recommended, as they may yield incorrect measurements

If you have purchased a subscription, you will be able to add players and enable several other features. Please refer to www.rapsodo.com/baseball for further details.

## FRONT HITTING MODE:

The monitor captures data only if the hitted ball passes through the target zone as shown in the diagram below. If the ball is not passing through the target area, mon may not be optimal.



## FEDERAL COMMUNICATION COMMISSION INTERFERENCE STATEMENT

interference, and (2) this device must recept any interference received, including interference but may cause underside operation. This equipment has been bested and local or comply with the limits or a clear of Basil and donce, powers but 15 of the TCC Dalba. These limits are designed to provide reasonable protection against human if tereference in a resolved rest and to. This equipment because the limits are designed to provide reasonable protection against human if tereference in a resolved real protection. This equipment does not consider the protection in a protection in Enables of 18 the experiment does used human interference and not considerable in a protection in Enables of 18 the experiment does used human interference to not do not provide the protection of the considerable interference and on constructions. However, there is no exceeded to by to construct the interference por on or the final being required.

- Indicate the equipment into an outlet on a crout offferent from that to which the receiver is connected.

  Consult the dealer or an experienced radio/TV technician for help. FCC Couline: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- 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 & your body.

# **GENERAL INFORMATION**

DO NOT USE RAPSODO BASEBALL IN WET CONDITIONS

optical interference that can guarantees are considered to test for interfere is used, as they may cause interferences. One technique to test for interfere in motion and see if you get data results. Please also read the "Federal Con-

Repsodo baseball should be used in well it locations. Performance may vary in certain lightning conditions, particularly in low light conditions,

APP UPDATES Repsodo will periodically update and improve the features of the Repsodo Baseball app. It is recommended that users regularly download the blood version to make for the bloods mention performance.

USE IN WELL-LIT ENVIRONMENTS

RETURN POLICY AND WARRANTY Reposts provides a Til one-goe Instead warrang for manufacturing defects. Under condition of the surrang speciment, purchasers will be establish to repair or repletioner for defective Repostor portation. The warrang long is not me fact and intelliginations. Regordon my also become to refund the purchase price of the product to the purchaser, at it is self-discretion. Warrang detailed information and return policy can be found online as two reposts on confirmants.

#### REGULATORY NOTICE: WASTE FLECTRICAL AND ELECTRONIC FOLIPMENT



The symbol on the product or its peckaging signifies that this product has to be disposed securately from ordinary bounded wasted at its ord of the Plasse high by answer that this is your responsibility to dispose electronic confirment an encycling contens in ordinary to high contens in ordinary ordinary contens in ordinary to high contens in ordinary ordinary contens in ordinary con

We are happy to help. If you have any questions, or need any assistance

- ▼ Toll Free Number (USA): 844.772.7763
- ★ Rapsodo, 12175 Visionary Way, Suite 113, Fishers, Indiana, USA

Make sure to visit **Rapsodo.com** for more details and to download the manual about the application screens.

More troubleshooting and assistance can be found on the website: www.rapsodo.com/support









# ANALYZE. CORRECT. PERFECT.



EXIT VELOCITY







LAUNCH

BALL SPEED ANALYSIS

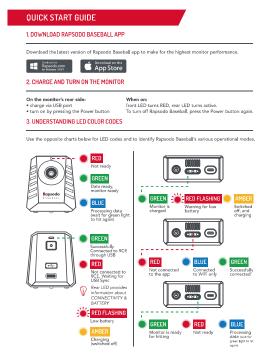




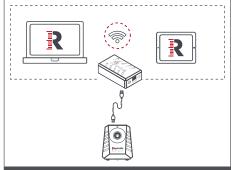


# **KNOW YOUR NUMBERS**





#### 4 PAIR THE RCE AND THE APP



## PAIRING THE RCE WITH WIFI (FOR IOS DEVICES OR PC)

The WFFI Direct mode does not require an existing WFFI network or router. In this mode, the monitor RCE will appear as a WFFI router and you can attach your tablet or PC to the RCE via WFFI saif it is connecting to a router. This is the default mode for the RCE. Even if you want to connect in WFFI network mode in future uses, you need to set up this mode first to configure the RCE to a known 1. Connect to the access point named "RapsodoBaseball\_XXXX" in WiFi. The XXXX denotes a unique

- 1. Connect to the access point neutron remained for your monitor.

   On your tablets of softings—wHFI. You should see "RapsodoBaseball\_XXXX". Connect by tapping in the last.

  tapping in the last.

   On your Ed. Click on the WHFI signal loon on your computer and select "RapsodoBaseball\_XXXX"

   On your Ed. Click on the WHFI signal loon on your computer and select "RapsodoBaseball\_XXXX"

   On the drapbox manu, click "Connect". Once the connection is established, go to the Rappodo

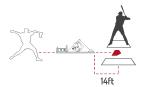
REMEMBER: ONLY LIPAD OR PC CAN BE PAIRED TO THE MONITOR AT A TIME

#### 5. SETTING UP AT FRONT POSITION

The shield shall be installed 14 ft from the home plate and the camera opening should face the hitte. The protective cover should be on same axis as the home plate and the pitcher's mound.

#### ATTACH THE MONITOR TO MOUNT PLATE

Place the RCE to its housing and connect the USB cable to the monitor. Turn both devices ON



### 2. CALIBRATE

- Screw the rotating head firmly to secure the device in this position
  Tap "Next" button on the App
  Keep using the center line on the App's image to ensure the monitor is properly facing the pitcher
  If the App asks for a recalibration at any time, repeat this procedure



#### 7. YOU'RE READY TO TRACK THE HITS

Anytime the monitor's front LED is green, it means that it is ready for measurement. Pitch from the regular distance, facing the monitor. After a pitch, the green light also means that data of the ball you just played are available on the App dashboard.

Use in well lit environments. Be aware of electrical items which may cause interferences. Do not use under rain or wet environments.

## **FCC Caution.**

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

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 & your body.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.