



**Rapsodo**®

MOBILE LAUNCH MONITOR

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# USER MANUAL

Model No.: MLM 1.0

Powered by: Rapsodo

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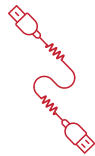
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# WHAT'S INSIDE THE BOX

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MLM Device



USB Charging  
Cable



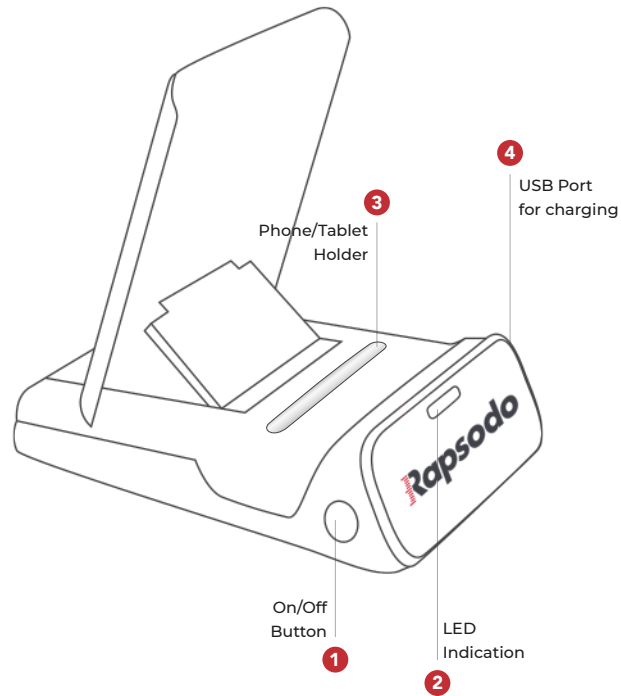
Quick Start  
Guide



Protective Case

# OVERVIEW

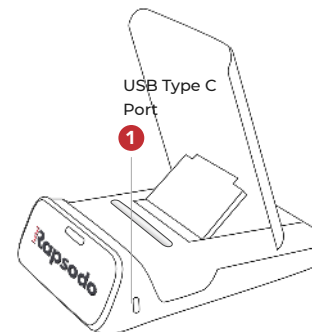
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# CHARGING THE DEVICE

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- The MLM contains an internal lithium ion battery.
- The battery can be charged by connecting the included USB cable between the USB type C port on the device (located on the right side of the device) and your computer's USB port.
- The battery should be charged for 6 hours before using the device for the first time.
- The device LED will show AMBER indicating the device is being charged
- The LED indication will switch off indicating the unit has been fully charged.
- The LED indication will blink red indicating the battery charge is getting low and internal battery should be recharged
- Under normal operating conditions, a new battery should last 4 hours on a full charge.



# PAIRING THE DEVICE

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1. On your mobile device, turn on Bluetooth feature. Make sure that MLM unit is powered on.



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2. When LED on MLM turns red, start the MLM application on your mobile device. You can go to [rapsodo.com/downloads](https://rapsodo.com/downloads) to download the application.



**RED**

SWITCH ON UNIT. UNIT  
WAITING TO CONNECT TO APP

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3. Once the MLM unit detects the connection from the application, the LED will turn green.



**GREEN**

READY TO TAKE SHOT

# DEVICE PLACEMENT AND SETUP

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1. Once the MLM unit is connected and displays the green LED, place the golf ball or tee approx. 8 ft away from the unit.



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2. Make sure the MLM unit is placed on the same level as the hitting surface.



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3. When the ball is hit, LED blinks blue and you can view your data in the application.



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4. The LED will turn green again when the unit is ready for you to hit your next shot

# CALIBRATION / AUTO-CALIBRATION

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**The MLM is ready to use out of the box and does not require calibration.**

\*New mobile devices may require manual calibration prior to first use. Please see [www.rapsodo.com/faq](http://www.rapsodo.com/faq) for more details.



# TROUBLESHOOTING

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**When charging, Power LED does not come on**

Press the Power button and hold for 5 seconds. Make sure the USB cable has power. Try other ports on your computer to verify your charging cable is working.

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**Power LED is red and unit turns off after 15 seconds**

Battery is low. Connect the USB cable and charge the unit. The Power LED will turn OFF when the unit is charged.

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**LED is not turning green**

Make sure to start the application AFTER turning on the MLM. MLM LEDs show connected only when the application is open.

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**Results seem inaccurate**

Be sure to position the MLM unit 8 feet behind the ball and ensure the unit sits level with the hitting surface. Please contact [support@rapsodo.com](mailto:support@rapsodo.com) if your results still seem inaccurate.

# MEASUREMENTS

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## Carry

Total distance travelled from impact to landing. MLM estimates this based on your initial launch conditions, a level surface is assumed.



## Club Head Speed

Speed of your club moments before impact



## Ball Speed

Exit speed of the ball immediately after impact



## Smash Factor

Ball Speed divided by club speed. The higher your smash factor, the more efficiently you transfer energy from club to ball.



## Launch Angle

Angle of your ball relative to the ground. Combined with ball speed, will be main components to determine shot distance.



## Launch Direction

Measure how far from ideal line your shot lands. Center of your camera assumed to be zero degrees.

# GENERAL INFORMATION

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**Mobile Launch Monitor (MLM) is designed and produced by Rapsodo Pte. Ltd.**

**Do not use MLM golf hardware in Wet Conditions**

Your MLM device is not water-resistant. Do NOT use the device under rain, water exposure or wet environments, as the product may get damaged.

**App Updates**

Rapsodo will periodically update and improve the features of the mobile app. It is recommended that users regularly download the latest version to make for the highest 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/terms-of-use-mlm](http://www.rapsodo.com/terms-of-use-mlm)

**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.