

Hardware Overview

zactrack mini specific hardware



MASTER Anchor



Product number: z00309101



Material: ABS (IP 50)

Dimensions: 190 x 207 x 36 mm

Gross Weight: 680 g

Power Supply: DC 5.1V 3A

Battery: 3.7V, 5200mAh, Li-Ion battery (3h battery life, 3 hours charging time)

Ports: 1 LAN, 1 USB-C for Power, 1 XLR for DMX512 Output

Mounting: Rig mounting plate for clamp and safety line

Explanation of the numbering:

1. LED - Operation light
2. Screwing Attachment (1/4" inch thread for tripod)
3. LED - Power status
 - green: battery full
 - yellow: battery half full
 - red: battery <10%
 - red blinking: empty
4. Power button
 - Short press: show battery
 - Log press: switch ON / OFF
5. USB-C port
6. Ethercon port (LAN)
7. DMX port

Anchor



Product number: z00301101



Material: ABS (IP 54 - with closed USB-C connector)

Dimensions: 140 x 140 x 35 mm

Weight: 290 g

Power Supply: DC 5.1V 3A

Battery: 3.7V, 2600mAh, Li-Ion battery (16h battery life, 2 hours charging time)

Mounting: Rig mounting plate for clamp and safety line

Explanation of the numbering:

1. LED - Operation light
2. Screwing Attachment (1/4" inch thread for tripod)
3. LED - Power status
 - green: battery full
 - yellow: battery half full
 - red: battery <10%
 - red blinking: empty
4. Power button
 - Short press: show battery
 - Log press: switch ON / OFF
5. USB-C port

Tracker

Product number: z00302101

Material: ABS (IP65)

Dimensions: 35 x 60 x 10 mm

Weight: 26 g

Battery: 3.7V, 310mAh, LiPO battery

Battery Operating Time: 4 hours (active) / 20 hours (inactive)

Charging: 2 hours (100%), DC 5V 0.2A



Charging Station

Product number: z00203101

Material: ABS

Dimensions: 270 x 70 x 70 mm

Weight: 390 g

Connection: USB-C, DC 5V 1A



Disks

Material: ABS

Dimensions: 57 x 57 x 20 mm

Colors: Green, blue, red, and white



Additional hardware

Besides the specific zacktrack hardware it is also necessary to use the following additional hardware to run zacktrack MINI.

- **Android Tablet** necessary for setup process

Technology

Radio RTLS (Real Time Location System) based on Decawave DWM1001

Accuracy: < 10 cm

Update Rate: 15 Hz (Setting: 5 active trackers - depends on number of active trackers)

Connectivity: UWB (Ultra Wideband) channel 5 - 6,2 - 6,7 GHz, 500 MHz bandwidth

Default radio channel: channel 5 / 6,5 GHz

Radio regulations: Ultra-Wideband worldwide radio regulations

https://www.decawave.com/sites/default/files/apr001_uwb_worldwide_regulations_summaryrev1.2.pdf

Wi-Fi

Connectivity: 2.4GHz (channels 1 - 11) / 5GHz (channels 36, 38, 40, 44, 46, 48)

Default Frequency: 2.4GHz

Default Wi-Fi channel: channel 7

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