

*When all else fails...*

**RTFM**

**READ THE #%@\*ING MANUAL**

---

# THANK YOU

for purchasing the HiveRadar Wireless Site Survey Kit.

We understand most techies (us included) rarely read the setup/instruction manual but we urge you to give it a quick read to familiarize yourself with the awesomeness of the HiveRadar WSSK. We assure you that your effort will not be in vain!

While no product is perfect we have identified and improved upon our previous v1 and v2 kits with the new v3 kits. We will continue to improve upon the product and should you happen to find unidentified issues and or have suggestions on how we can improve upon the product to make it more awesome please visit our website and fill out the contact contact form.

- The HiveRadar Team



|                          |               |
|--------------------------|---------------|
| <b>TABLE OF CONTENTS</b> | <b>02</b>     |
| <b>DO'S &amp; DONT'S</b> | <b>03</b>     |
| <b>POWERPACK</b>         | <b>04</b>     |
| <b>FEATURES</b>          | <b>05</b>     |
| <b>PACKING LIST</b>      | <b>06</b>     |
| <b>SETUP GUIDE</b>       | <b>07, 08</b> |
| <b>USER GUIDE</b>        | <b>09, 10</b> |

## DO'S

-  Use the retractable handle as the primary point of leverage to maneuver and not the carbon fiber pole.
-  Keep the case on level ground when conducting a site survey.
-  Keep it away from traffic on the jobsite to prevent any accidental bumps.
-  Pay special care when attaching the base pole to the case. Pole should be aligned to prevent damage to the metal threads.
-  Use common sense when mounting very heavy AP's and poles extended to full height, even with new stabilizer legs

## DONT'S

-  Mishandle or drop the case. The hardcase case may absorb the impact but heavy jolt or too much compression could bend or damage the metal chassis & pop the screws out of their threading
-  Leave the kit out in inclement weather. The kit is mildly water resistant and not water proof so do not give it a wash like your car.
-  Leave the 12VDC connector plugged in to the battery. Unplug and make sure battery is switched off when you finish and pack up.



## POWER PACK / BATTERY & CHARGER

The HiveRadar Power Pack includes 802.3af/at (PoE+) or a 802.af/at/bt (PoE++) compliant injector. PoE+ 56V35W is the standard unit. PoE++ 56V70W very high power injector is an optional upgrade. The integrated indicator light guides show Power Ready (Red) and (Green) Output 802.3af/at or bt OK.

Your HiveRadar battery has already been pre-charged and tested. RUN TIMES - will vary depending on the power draw from your devices you can expect the following:

**PoE+ (56V 35W Max) - Upto 9Hrs**

**PoE++ (56V 70W Max) - Run Time is untested. Recommend getting a spare battery.**

Charging with the included adapter will take 4hrs for a full charge. Please note the charging adaptor will support AC Voltage worldwide but the plug included is for North America. International users will have to source a local adaptor plug.

**Capacity:** 99.8Wh (+/- 5Wh) - TSA/FAA/IATA Guideline 100Wh

**Battery Chemistry:** LiFePO4 (Lithium Iron Phosphate)

**LED Indicator:** Charge state indicator. Each LED bank blinks when charging and solid when charged. Discharge Cycle only the last light blinks when battery is low.

**DC Input Port:** 15V 4A Max

**AC-DC Charger:** 100-240VAC to DC15V 2.0A

**USB Ports x 2:** 5V 2A Max Each

**DC Output:** 12V 8A Max Continuous

**Weight:** 3.3Lbs (1.5Kgs)

**Operating Temp:** 0 - 50 Deg C (32 - 120 Deg F)

**Environment:** Keep away from water, snow, flammable gas & liquids

**Battery Maintenance:** For optimum performance and to extend the life of the battery please charge the battery to approx 80% capacity every 3 months.



### UNIVERSAL WIRELESS AP MOUNT (New)

- Standard T-Bar Mount
- 90Deg Swivel for Ceiling or Wallmount AP
- Dimension - 10" mounting space
- Quick lock to orient the AP Mount
- Includes a mini ball head mount on top for GoPro or a 360 Camera



### EXTERNAL ETHERNET CONNECTORS

The HiveRadar WSSK v3 has two external RJ45 Connectors on the top. The laser engraving on the side indicates what each of the RJ45 connections are for.

**DATA IN:** Input for connecting to a 4G/5G portable router or another data source.

**DATA OUT:** Use the included braided ethernet cable to connect to your wifi AP. This port provides power PoE+ or POE++ and data.



### KIT STABILIZER (New)

The standard height has increased to 12Feet. With this increased height we have added a kit stabilizer to HiveRadar WSSK v3 to support heavier AP's.

## PACKING LIST



- 1 Hiveradar WSK Case
- 2 Powerpack with Integrated PoE & Light Guide
- 3 Hiveradar Energy Bar Battery & Charger
- 4 Carbon Fiber Pole x 3
- 5 Articulating Stabilizer Feet
- 6 Universal AP Mount w/ mini ballhead
- 7 15' Ethernet Cable

### Accessories

- 8 LED Flashlight
- 9 Laser Distance Measure

### Optional Accessories (New)

- 10 Castering Wheels (Set of 4)





**1.** Open the case by squeezing down the latch and lifting up.



**2.** Power up. Connect the 12 volt plug into the receptacle on the battery. Press and hold the button until the indicator lights come on. Check the small indicator lights on the PowerPack below the battery to ensure that the PoE injector has power.



**3.** Remove the stabilizer legs, poles, mounting bracket, ethernet cable and any other tools you'll require for your survey.



**4.** While the case is still on its back, connect the two stabilizing legs. Loosen the clamp all the way, line up the locking mechanism and tighten. The tightening knobs should be facing inwards. Extend the legs out and stand the case up.



**5.** Connect the AP mounting bracket to the top extension pole (3 grips). DO NOT Over-tighten the AP bracket to the pole. There is a knob locking mechanism to keep it front facing. On the final step.

The Universal Bracket includes a T-Bar rail mount.



**6.** Mount your AP to the bracket using a T-bar rail mount that is compatible with your AP.

Align the bracket to face the front and using bracket tightening knob mentioned in Step 5.



**7.** Connect the remaining poles. Unscrew the cap at the top of the case and screw in the lower pole assembly.

**\*NOTICE\*** Make sure that you align the lower pole to the base so you do not damage the mounting thread.



**8.** Connect one end of the ethernet cable to a port on the AP that takes the PoE input.

Secure your cable to the pole with the provided velcro strap.



**9.** Connect the other end of your ethernet cable to the ethernet port labeled "PoE+ & data out"

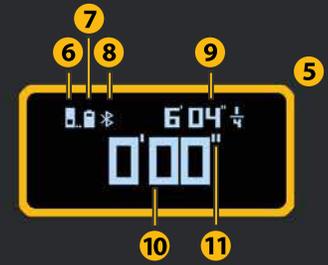
Your Wireless AP should light up as soon as the two ends of the ethernet cables are plugged in securely.



**10.** Connect the wheels to the stabilizing legs. Push the wheel into the end of the stabilizing leg by pressing the button on the side of the wheel. Release the button and lock the wheels on the stabilizing leg.

## LASER DISTANCE MEASURE - USER GUIDE

- ❶ Laser Receiver Lens
- ❷ Laser Emission Lens
- ❸ Power/ Measure Button
- ❹ Type-C Charging Port
- ❺ Display
- ❻ Measuring Basis/ Laser Emission Tips
- ❼ Battery
- ❽ Bluetooth



- ❹ Measurement History
- ❺ Measurement Unit
- ❻ Current Measurement Data

Our carefully selected laser distance measure is good for scaling floor plans on-site up to 30m or 98ft. Accurate to 1/16 inch (2mm).



### Turning the Laser ON/OFF

- In the shutdown state, press and hold the power/ measure button for 3s to start the Laser, and the hidden display will light up to enter the test mode.
- In the power-on state, press and hold the power/ measure button for 3s to power off the Laser.
- If no operation is performed within 180s, the Laser will automatically shut down.

### Changing Measurement Units

- The Laser supports two measurement units, with "ft" (foot/ft) by default. To use "m" (meter/m) as the measurement unit, please switch to it in the product settings in the app.



### Measurement method

- After starting the Laser, short press the power/ measure button, the product emits laser ( if no operation is performed, it will stop laser emission after 30s), then short press the power/ measure button again to stop laser emission, and the measured data will be displayed.



### Charging

- This rangefinder is equipped with a universal Type-C charging port, and comes with a USB charging cable.
- If it has not been used for a long time, fully charge the Laser before use.

### Connect the Laser to the App

- The Laser works with the application "Xiaomi Home". Download the "Xiaomi Home - xiaomi smarthome" by scanning the QR code. If the app has been installed, you will be directed to the device connection page.
- After connecting per the manual, and HOTO Smart Laser Measure is still not found, please go to My - Settings - Region and Language, modify the region setting to the United States, and then connect again.



For more information, please refer to the printed user manual included in the WSSK.

## LED FLASHLIGHT - USER GUIDE



We did not want to include just any Flashlight but we wanted to ensure that you get one of the best.

An indispensable tool on the job site when you have to check cable risers, above false ceilings, utility/wiring closets and your cellphone flash just don't cut it.



### Turn the Flashlight ON/OFF

- To turn the Flashlight "On" and "Off", use the large Power button.
- Press once to turn "On" the Flashlight at 100% luminosity,
  - Again for 50% luminosity (within 3s);
  - Again for 10% luminosity (within 3s);
  - Again for Strobe (within 3s);
  - And again for "Off".
- If a light mode is not selected within 3s, it will remain on the current light mode, and the next selection will turn the Flashlight "Off".



### Charging

- Connect the Flashlight USB Battery Pack using the included USB Speed Cable to the USB IN port. It can be recharged from any USB-powered port, like an AC adapter, car charger, laptop, and more - even solar energy.
- The Flashlight USB Battery Pack can recharge virtually any USB device. Charging your USB device is easy. Connect the included USB Speed Cable to a USB OUT port on the battery pack.



### When Discharging

- The Flashlight will display a green LED when the battery pack is between 80-100% charged, and a red LED when between 2-79% charged. 2% of the battery capacity is reserved for low battery indication.

For more information, please refer to the printed user manual included in the WSSK.