



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 form.

- The HiveRadar Team








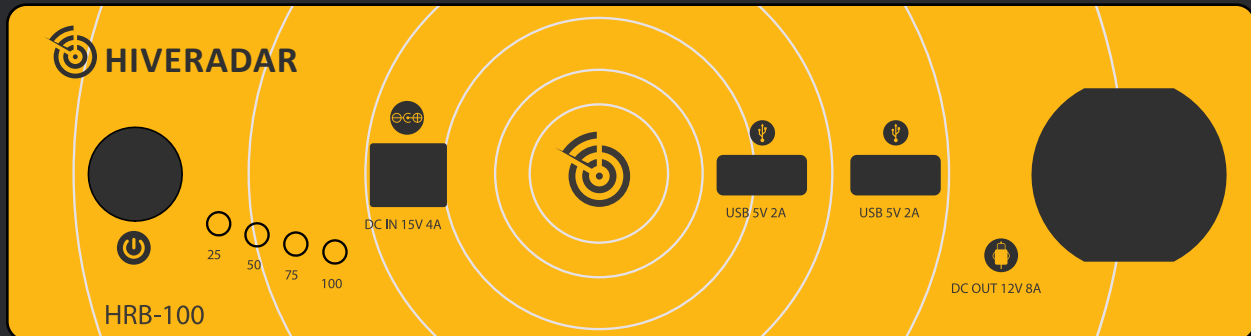
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DO'S

-  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 resis-tant and not water proof so do not give it a wash like your car.
-  **Leave the connectors plugged into the battery.** Unplug and make sure battery is switched off when you finish and pack up.
-  **Check the kit as luggage when flying.** The case can withstand carry-on transport but may suffer structural damage from baggage handling. Ensure adequate protection if you must check it. Note, battery must be removed if that is a must to check in.
-  **Ship the kit unprotected via courier services.** Unlike a suitcase, the WSSK is a device, and due to construction and rigid framing inside it needs adequate exterior protection to withstand shipping conditions. It will void warranty.



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
- 90 Degree Swivel for Ceiling and/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 (356.7cm). With this increased height we have added a kit stabilizer to HiveRadar WSSK v3 to support heavier AP's.

PACKING LIST



- ① HiveRadar WSSK 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' (457.2cm) Ethernet Cable

Accessories

- ⑧ Laser Distance Measure
- ⑨ 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, mounng 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 Overtighten 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. **

* If you have purchased a 10Gbit PoE++ injector upgrade, the indicator lights will not illuminate. This is normal because the injector only has an indicator light at the internal RJ45 connection, which cannot be routed to the WSSK case indicators. Please verify the power over PoE by connecting an access point to PoE OUT port.

** When loosening the knob to remove the bracket from the pole, do not unscrew it too far. If the knob is undone too much, the metal insert in the bracket base may come out, which is required for proper alignment with the knob and for mounting the bracket on the pole. Loosen it only slightly, just enough to allow the bracket to move.



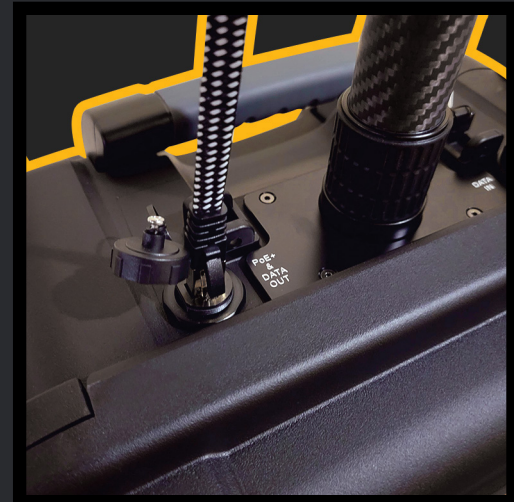
7. Connect the remaining poles. Unscrew the cap at the top of the case and screw in the lower pole assembly.

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



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"

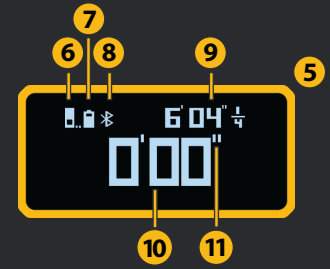
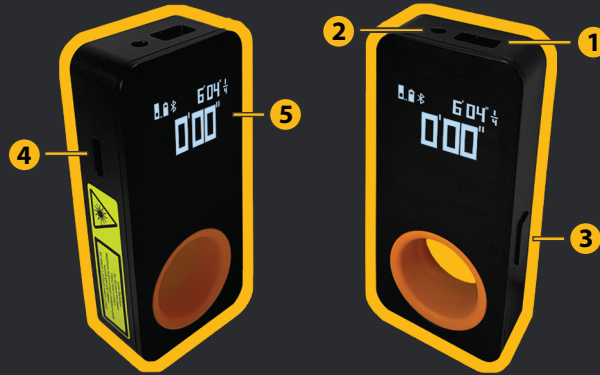
Your Wireless AP should light up as soon as the two ends of the ethernet cables are plugged in securely.



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

- 1 Laser Receiver Lens
- 2 Laser Emission Lens
- 3 Power/ Measure Button
- 4 Type-C Charging Port
- 5 Display
- 6 Measuring Basis/ Laser Emission Tips
- 7 Battery
- 8 Bluetooth



- 9 Measurement History
- 10 Measurement Unit
- 11 Current Measurement Data

Our carefully selected laser distance measure is good for scaling floor plans on-site up to 98feet (300cm). Accurate to 1/16 inch (0.2cm).



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.

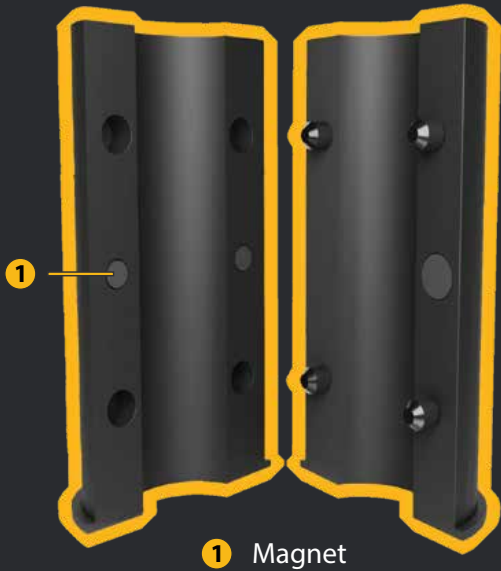


For more information, please refer to the printed user manual included in the WSSK.

Magnetic Pole Adaptor for U-Bolt Mount - USER GUIDE

(optional accessory*)

The Magnetic Pole Mount Adapter is designed specifically for mounting an access point or antenna with a U-bolt mount onto the HiveRadars carbon fiber pole. This adapter not only protects the carbon fiber pole but also increases the pole's diameter at the mounting section, ensuring a secure and stable installation.



1. Once the kit is setup, attach the two halves of the Magnetic Pole Adapter to the top section of the 3-section pole.



2. Secure the U-bolt mounting hardware onto the Magnetic Pole Adapter.

Universal Pole Quick Mount - USER GUIDE

(optional accessory*)

For lighter access points (APs) and antennas with horizontally separated screw holes, the diagonal channels allow mounting with as few as two screws.

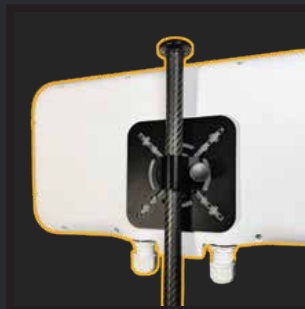
Below is an example of using the mount to attach a Ubiquiti BaseStation XG to the HiveRadars pole. Note that screws for attaching to APs are not included due to the wide variation in models and manufacturers.



1. Attach the Universal Pole Quick Mount to the mounting points on the AP or antenna (e.g., a 100mm VESA pattern in this example).



2. Open the quick-attach mount by twisting the knob counterclockwise. This action will allow you to pull the knob to the side and open the clamp.



3. Position the clamp on the HiveRadars pole, close it, and rotate the knob clockwise to securely lock the mount in place.



* - Not included with the purchase of a RDK and must be purchased separately.

GUY WIRE - USER GUIDE (optional accessory*)

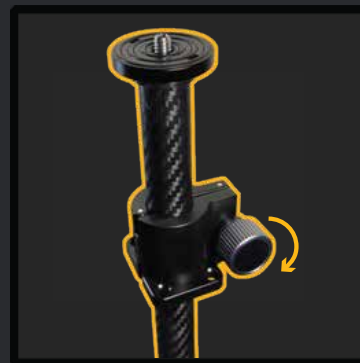


Included Components:

- 1 Pole Anchor
- 2 Guy Wire Wheels (4)
- 3 Carabiner Clips (8)
- 4 Loop Wires (4)



1. Ensure each Guy Wire Wheel has carabiners attached to both ends.



2. Attach the pole anchor to the top of the 3-section carbon fiber pole by positioning the clamp on the pole, closing it, and rotating the knob clockwise to secure it.



3. Attach the top carabiner of each Guy Wire Wheel to the pole anchor. Repeat for all sides.



4a. For Hiveradar Castering Wheels or Legs: Create a loop using the provided loop wire, attach it to the carabiner, and thread it through the hole on the wheel or leg. Lock the Guy Wire Wheel by twisting the top knob on the wheel to secure the top wire.



4b. For other stationary objects (e.g., ground stakes or horizontal bars): Use the carabiner clip to attach the Guy Wire Wheel to the object or loop it around as needed. Lock the Guy Wire Wheel by twisting the top knob on the wheel to secure the top wire.



5. Tighten the tension using the included tensioning string until the wires are firmly secured. Repeat for each Guy Wire Wheel.

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