

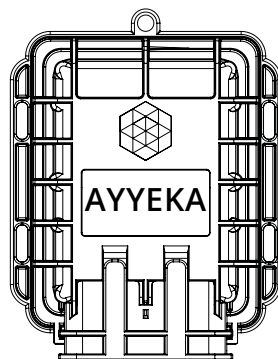
# BASIC

# WAVELET

# KIT

QUICK START

GUIDE



# IMPORTANT



Contact **AYYEKA SUPPORT** for technical support at +1 (310) 876-8040.



**ALWAYS COORDINATE** Basic Wavelet Kit installation with the local authority before starting installation works, which should be completed by trained and authorized personnel.



The **WARRANTY** offered by Ayyeka covers only Ayyeka supplied hardware and software for the duration of the warranty period as per the warranty terms and conditions.



**AYYEKA IS NOT LIABLE** for damage or injury as a result of handling, installation or maintenance of its supplied systems.



**DO NOT THROW AWAY** the Basic Wavelet Kit, as it contains a lithium battery. Please dispose of properly.



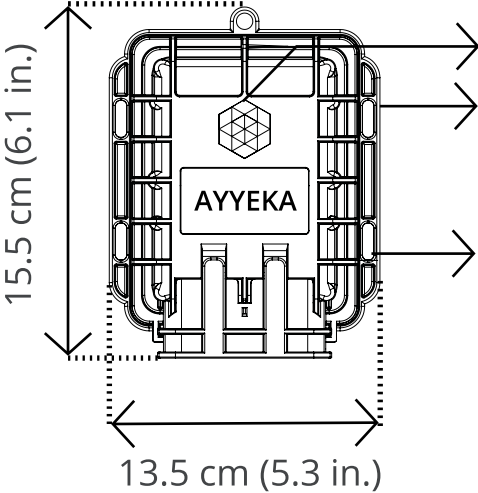
**2G/3G/CDMA** cellular network signal.



**OPERATING TEMPERATURE RANGE** of -4°F to 140°F.

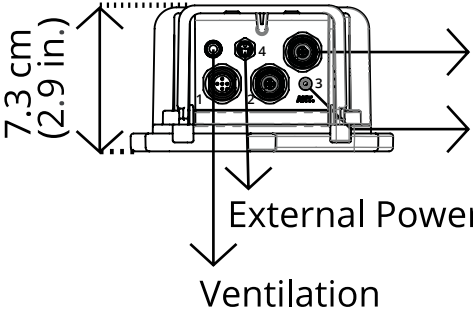
# SCHEMATIC

## FRONT



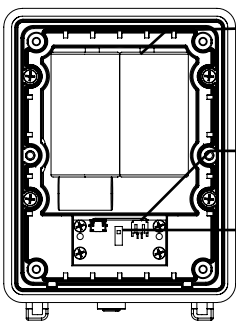
- Magnetic Activator
- IP 68 / NEMA 6P Wavelet Mechanical Enclosure
- Slots for Zip Ties and/or Bolts for Attachment

## BOTTOM



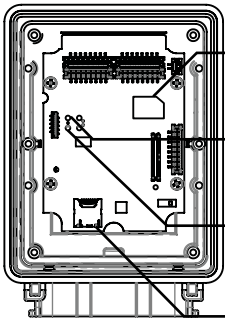
- 3 Sensor Ports
- External Antenna Port
- External Power Port
- Ventilation

**INTERNAL  
(LAYER 1)**



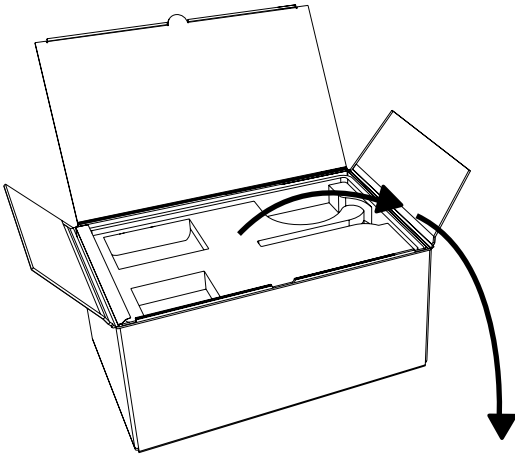
- Military Grade Lithium Battery Pack
- Indicator LEDs
- On/Off Switch

**INTERNAL  
(LAYER 2)**



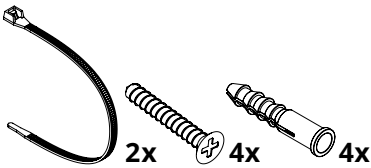
- Global SIM Card
- GSM Antenna
- GPS Antenna
- Memory Card

# GETTING STARTED

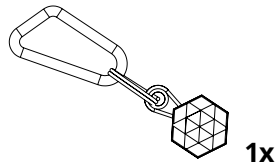


## BASIC WAVELET KIT

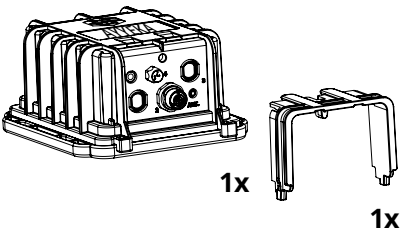
**1** Zip Ties, Screws, and Anchors



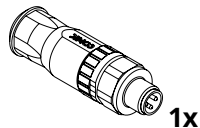
**2** Wavelet Activator



**3** Wavelet Device & Protector

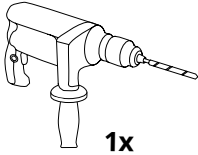


**4** M8 Male Power Connector (optional, see page 13)

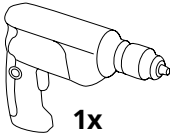


Tools and/or materials required (not included):

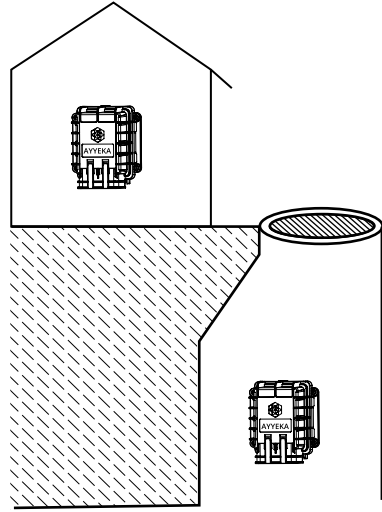
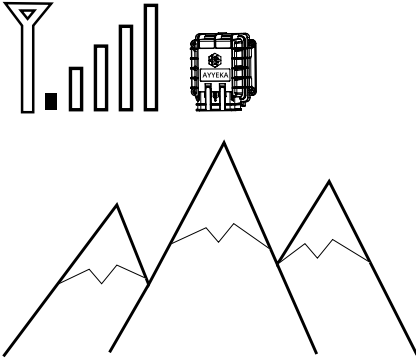
Rotary Hammer



Electric Screw Driver



**NOTE:** Special Installation Locations



**WEAK CELLULAR SERVICE LOCATIONS:**

If the Wavelet is installed in an area with weak cellular reception, activate the Wavelet and place in the intended installation location with closed doors/ access hatch.

Log in to [home.ayyeka.com](http://home.ayyeka.com) to ensure that cellular signal has been recently updated in the last few minutes.

**UNDERGROUND/INDOOR WAVELET INSTALLATIONS:**

Before installation, activate the GPS outside by turning on the Wavelet (see step 2).

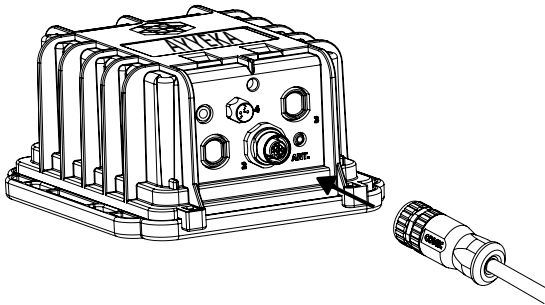
Wait for at least 8 minutes, then log in to the user interface at [home.ayyeka.com](http://home.ayyeka.com) to confirm updated location on the map.

# SENSOR CONNECTION

1

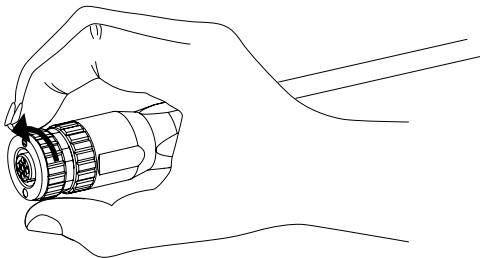
Connect the sensor cables with the connector to the Wavelet. Turn the adjustable black plastic or silver end piece to secure the sensor connector to the Wavelet.

**Follow instructions provided by Ayyeka with respect to the specific configuration of your Basic Wavelet Kit.**

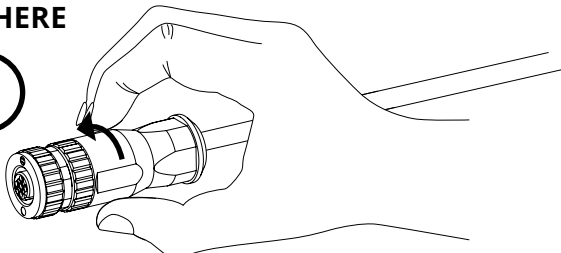


**CAUTION:** Do not turn the black plastic hood of the connector. Turning the black hood will cause the wires to disconnect, break, and/or damage the connector pins.

**TURN HERE**

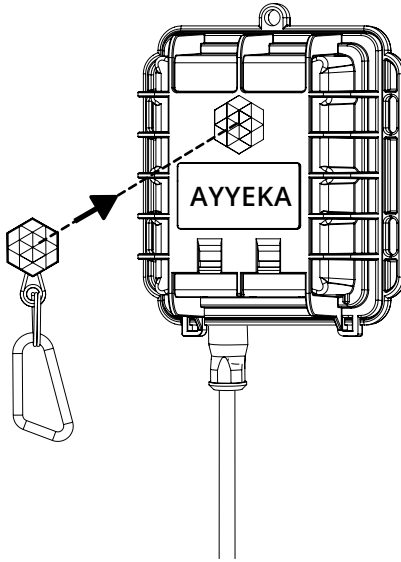


**DO NOT  
TURN HERE**



## WAVELET ACTIVATION

- 2 Place the Wavelet Activator on the Ayyeka logo on the Wavelet front panel for a few seconds. Wavelet will initiate a 10 minute online test mode.

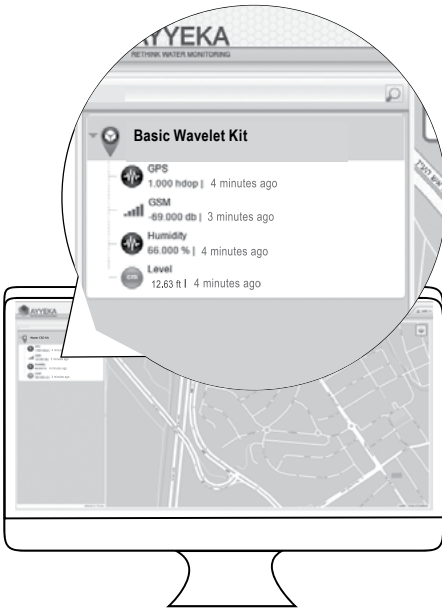


- 3 Access the Ayyeka user interface at [home.ayyeka.com](http://home.ayyeka.com) using your log-in credentials. Expect data to appear between 10 – 20 minutes after the online test mode is complete.



4

The screen display should resemble the following:



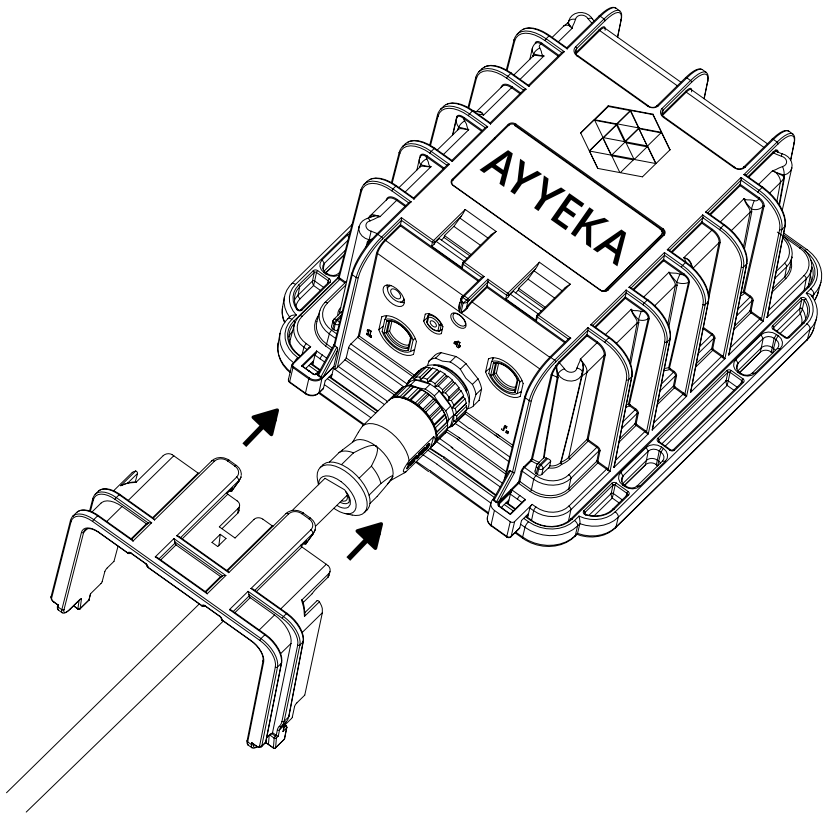
If Wavelet is transmitting properly, you have completed the installation successfully and can begin collecting and viewing your data!



If data does not transmit properly, change the Wavelet installation location and activate again. If the problem persists, contact [support@ayyeka.com](mailto:support@ayyeka.com) or +1 (310) 876-8040 for assistance.

5

After the Wavelet completes the transmission process, place the Wavelet protector above the connector ports and secure the Wavelet protector into the Wavelet enclosure.

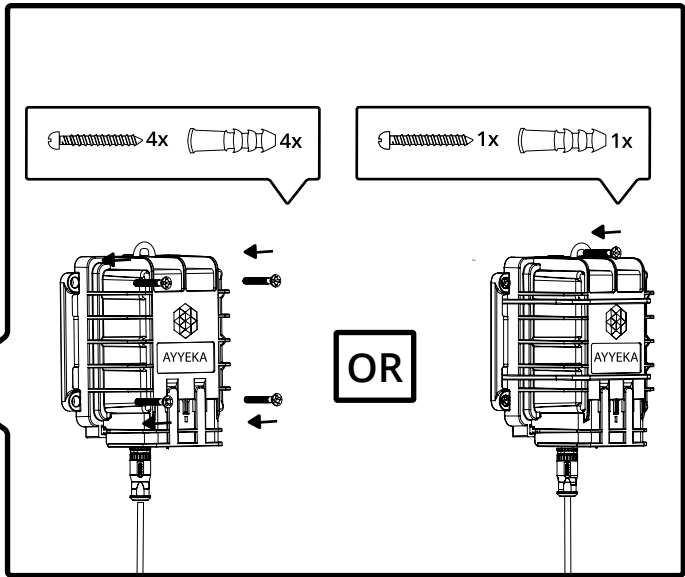


**CAUTION:** The protector is provided to shield the connector from tampering or overexposure that could result in disconnected wiring.

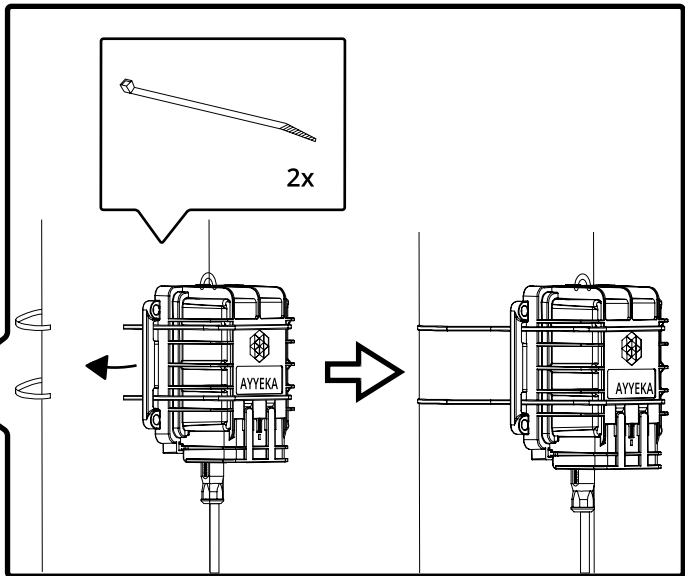
6

Secure the Wavelet on a wall or pipe using zip ties or screws.

Wall Mounted



Pipe Mounted



**YOUR BASIC WAVELET KIT  
IS NOW SUCCESSFULLY  
INSTALLED!**

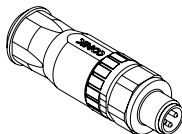


# WIRING INSTRUCTIONS

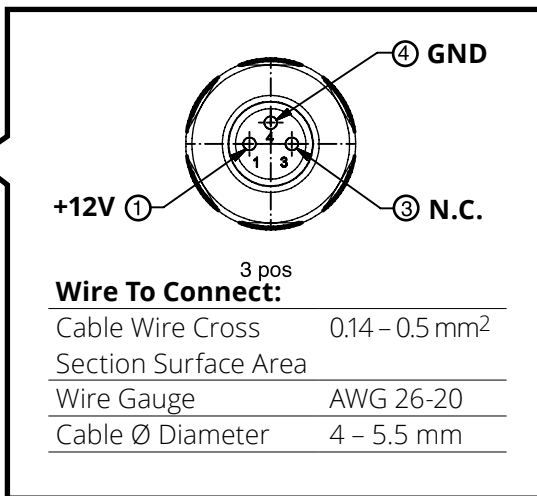
If external power connection is desired, external power connector instructions are as follows:

## EXTERNAL POWER:

Power Connector



+ Installation Tool  
for Wire Termination  
(Included)





QUESTIONS?

[www.ayyeka.com](http://www.ayyeka.com)  
[support@ayyeka.com](mailto:support@ayyeka.com)  
+1 (310) 876-8040