

Omnidots

*“Make construction monitoring,
smart monitoring in the cloud”*



Manual

LED indications
WiFi set up

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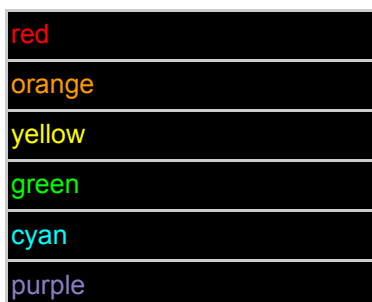
1 LED indications

LED/UI color	Meaning	Data measurements
Solid purple, white, purple	SWARM is powering up	No
Solid red	SWARM is starting up	No
Blinking blue/black	SWARM performs auto-leveling (10 seconds)	No
Breathing yellow/black	SWARM is measuring but has no server contact	Yes
Breathing green/black	SWARM is measuring and has server contact	Yes
Rapidly flashing blue/black	SWARM performs firmware upgrade	No
Blinking red/black	SWARM is disturbed during auto-leveling	No
Solid black (LED off)	SWARM has no power/ LED disabled by user on Honeycomb	No/ Yes

Notes on blinking/ flashing/ breathing

- Flashing is toggling between colors with 50ms interval
- Blinking is toggling between colors with 1s interval
- Breathing is gradually moving between colors with 1s interval

Colors that can be properly distinguished:



2 WiFi setup

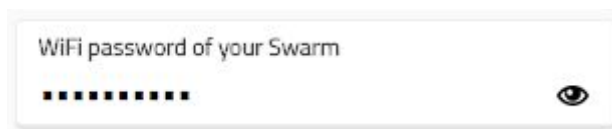
The SWARM (Omnidots' vibration monitor) can communicate with the Honeycomb (Omnidots' online platform) by WiFi connection. To connect the SWARM, you can use a device such as a smartphone, tablet, laptop or PC. The procedure is described on the following pages.

Step 1: Log in to the Honeycomb and create a new measuring point.

1. On internet, go to honeycomb.omnidots.com on your device (smartphone, tablet, laptop or pc)
2. Use your username and password to log in. In case you don't have an account, you can choose the option to sign up for one.
3. Go to the 'Overview' tab
4. Choose 'Create measuring point'
5. Enter a unique name or description you want to use for this measuring point
6. Enter the unique ID of the Swarm, which you'll find in white, to the right of the QR code and below the yellow 'SWARM' logo.



7. Choose "Save" or complete, if known, the further settings for the specific measuring point.
8. After saving you navigate to the 'Overview' tab, where this new measuring point will now have appeared.
9. To find the WiFi password of your SWARM (which you will need in Step 2, action 4):
 - a. Select 'Set up' of the relevant measuring point
 - b. You get to the page "Measurement points"
 - c. You can read the 'WiFi password' of the relevant SWARM under the heading 'Swarm information' by clicking on the 'eye' behind the 'WiFi password' of your Swarm'.

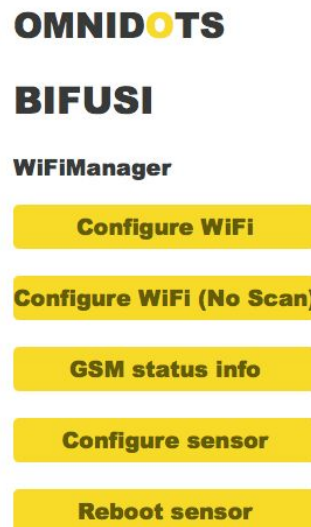


Step 2: Create WiFi connection between your device and the SWARM.

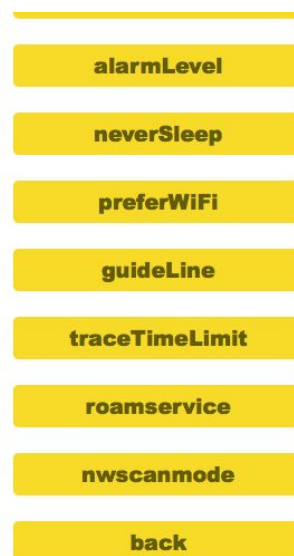
1. Place the SWARM on a stable surface and connect the SWARM to the power supply with the supplied power adapter and USB cable, or to a Swarm Battery. Let the SWARM lie undisturbed on the stable surface..
2. After connecting the SWARM to a power supply, it can take up to 1 - 2 minutes until the WiFi of your SWARM is visible on your device. Please note, connecting your device to Swarm's WiFi must be done within 5 minutes after startup of the Swarm. If the startup of your Swarm has already taken place longer than 5 minutes ago, then please restart your Swarm by disconnecting it from the power supply and then reconnecting it.
3. Select on your device the WiFi network which corresponds to the ID name of the SWARM. This is the name that is mentioned on the front of the SWARM (white text, right next to the QR code and under the yellow 'SWARM' logo).
4. Enter the WiFi password of the Swarm. You can find this password on the sticker on the package of your SWARM, or on the Honeycomb platform (see Step 1, action 9).
5. Connect to the chosen WiFi network.

Step 3: Configure the WiFi.

After the WiFi connection is established, the following a few seconds the following main menu appears (in this case the sensor the SWARM ID is "BIFUSI"):



1. Choose **Configure sensor** to enable communication over WiFi.
-



2. Choose **preferWiFi**.
-

OMNIDOTS

change preferWiFi:

save

back

3. Enter the number **1** in the input field under 'change preferWiFi' and choose **save**.

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saved "1"

back

4. Choose **back**.

alarmLevel**neverSleep****preferWiFi****guideLine****traceTimeLimit****roamservice****nwscanmode****back**

5. Choose again **back**, so you get to the main menu.

OMNIDOTS**BIFUSI****WiFiManager****Configure WiFi****Configure WiFi (No Scan)****GSM status info****Configure sensor****Reboot sensor**

6. Choose **Configure WiFi**.

7. Select the desired and available WiFi network, or enter the name of a hidden WiFi network in SSID. Then enter the corresponding password of the selected WiFi network.

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ZiggoE6DA3	🔒 90%
Ziggo	🔒 74%
ZiggoDCFA183	🔒 36%
H369AAAB2f7	🔒 36%
KPN Fon	34%
SMA1930050908	🔒 28%
Ziggo97177	🔒 14%
Ziggo75017	🔒 10%

save

8. Save by using the **save** button.

As soon as your SWARM is successfully connected to the selected WiFi network, the WiFi network of the SWARM it self (in this case "BIFUSI") will no longer be available / visible on your device after a few minutes.