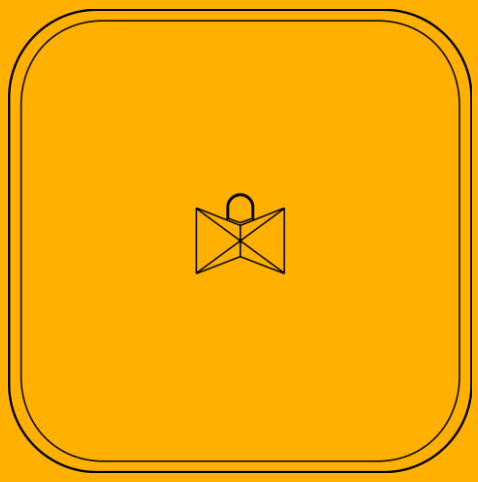


Upido Basic

Quick guide – 1st steps

unabiz

Support

Thank you for purchasing this UnaBiz product.
You can visit https://unabiz.freshdesk.com/support/home to register your product, get help, access the latest downloads and user manuals and join our community.
We recommend that you use only official UnaBiz support resources.

Compliance and Conformity

For regulatory compliance information including the JP Declaration of Conformity, visit https://www.unabiz.com/about/regulatory/. See the regulatory compliance document before connecting the power supply.

Trademarks

Revision History

Revision	Publish Date	Author(s)	Comments
1.0	6/23/2020	Amelie Sarragozi	Initial version
1.1	9/16/2020	Amelie Sarragozi	Add Configuration settings Add FCC statement Add packaging description

Contents

1. INTRODUCTION

1.1. PURPOSE OF THE DOCUMENT

The purpose of this document is to understand the first steps to use Upido device when receiving it for the first time and set it properly.

1.2. UPIDO CERTIFICATION STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:
Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

1.3. UPIDO BASIC INTRODUCTION

UPIDO basic is one of the models from the UPIDO (You Push I DO) product range. It onboards a panic button on the front face as well as 3 different sensors such as humidity, temperature and brightness. Its aim is to increase the service of the management building by reducing the manual data collection. Coming with a wall bracket, it is designed to be mounted on walls easily via screws or double-sided tape.
UPIDO basic is working with SIGFOX technology and comes with different types of contract to select the number of UL and DL messages per day.
The UL feature is used to:

- Report the sensors data under a defined scenario selected by the user (for ex: average from the last hour etc...)
- Report any anomaly detection by one or several sensors
- Report the panic button status

The DL feature is used to send the configuration of the UPIDO basic defined by the user on the cloud.
Powered by a powerful battery, it is designed to last 5 years following a specific scenario of number of messages and measures per day (refer to ...).

2. Overview of the Upido basic

Figure 2-1 UPIDO packaging box

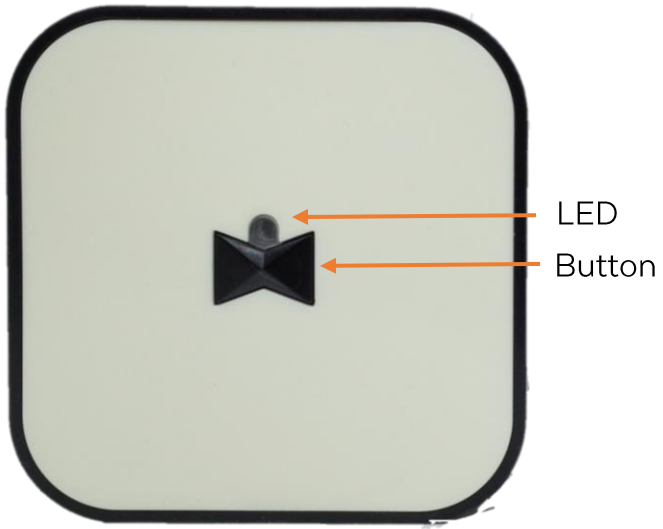


Figure 2-2 UPIDO basic top cover view

One packaging box includes:
- 10x Upido basic
- 20x 3M tape pcs of 3.5cm x 1.25cm
- 20x screws - #6 x 1'', 6mm head diameter

Figure 2-3 UPIDO basic inside bottom view

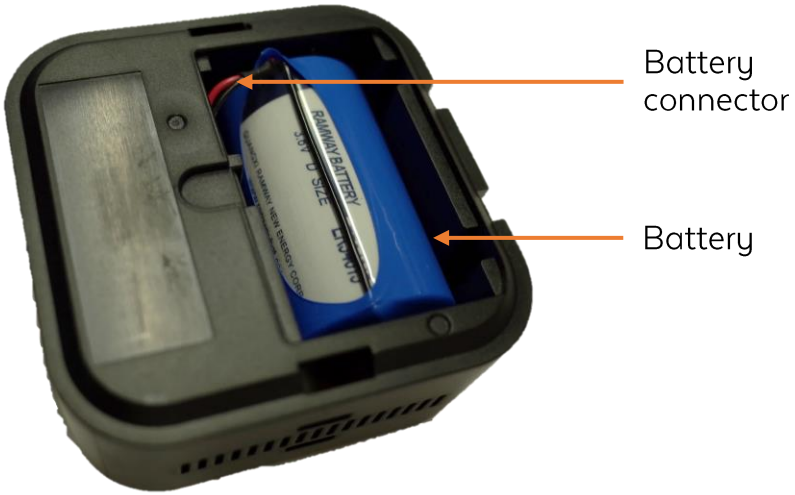


Figure 2-3 UPIDO basic bottom inside view

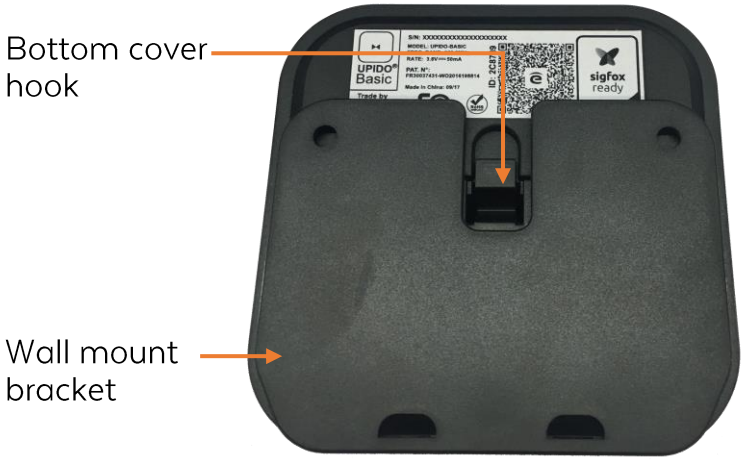


Figure 2-4 UPIDO basic bottom view

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Figure 2-5 UPIDO basic side view

3. Initialization

3.1. Activation

After being manufactured, the UPIDO basic is shipped with battery but not plugged, thus the device is OFF. To activate it, follow the below steps.

1. Remove the mounting bracket from the bottom cover by pressing on the wall mount hooks on both sides of the Upido basic. You should see the battery cover.



2. Remove the battery cover by pressing the battery cover hook and remove the battery.


3. Plug the battery cables to the connector and insert the battery back in the cover and immediately check the LED on the top cover.



LED results:

a. Successful to turn ON: LED blinks orange for 2s.
b. Fail to turn ON: The LED does not blink.

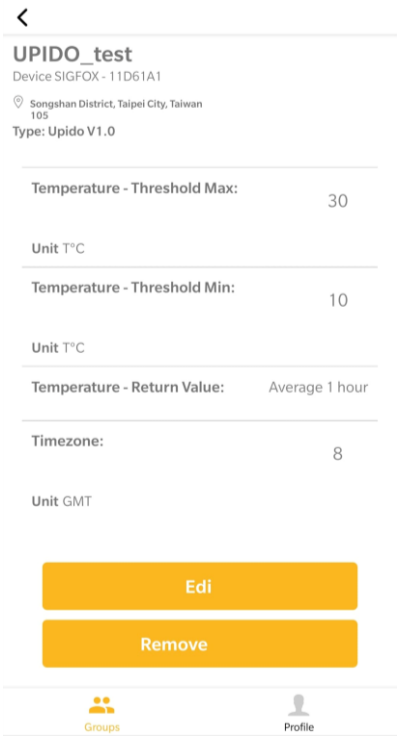
4. Put back the battery cover, and wall mount on the back of the UPIDO.

3.2. SET THE TIME ZONE (NOT MANDATORY, BY DEFAULT GMT+0)

Depending on the country where the Upido Basic is being activated, the time zone of the device must be changed.
The time zone can be edited on the Cloud side, meaning on the platform used to visualize and configure the Upido Basic.

For example, with UnaConnect mobile app:

1. Add the device to UnaConnect
2. Go in the device settings
3. Change the Time zone field in GMT.
   - +2 = France
   - +8 = Singapore

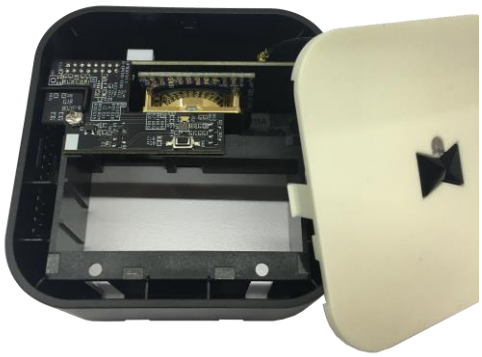


3.3. SET THE INTERNAL CLOCK (NOT MANDATORY, BY DEFAULT 00:00:00)

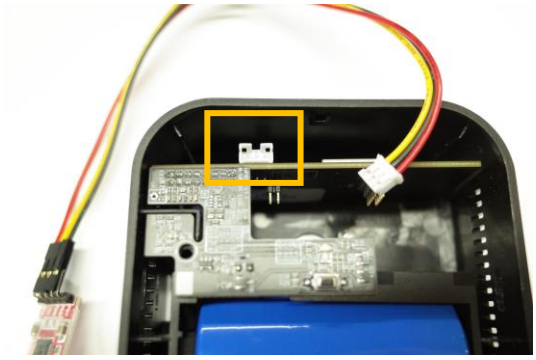
The Upido basic has an internal clock corresponding to the time when the Downlink message is requested by the device. It must be set by the user before the installation of the Upido basic.

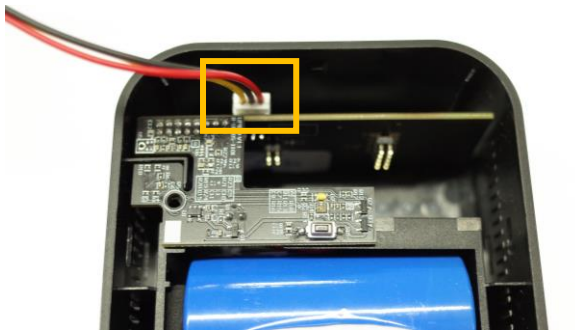
This can be done only through the serial mode:

1. Open the top cover by pressing the top cover side hooks. You can use a sharp object to make the opening easier.

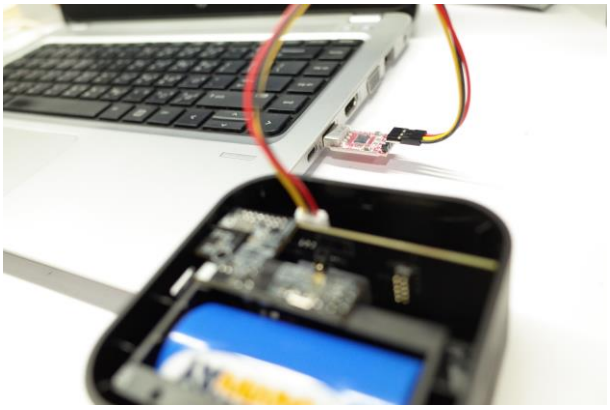


2. Connect the serial converter TTL output to the board connector.

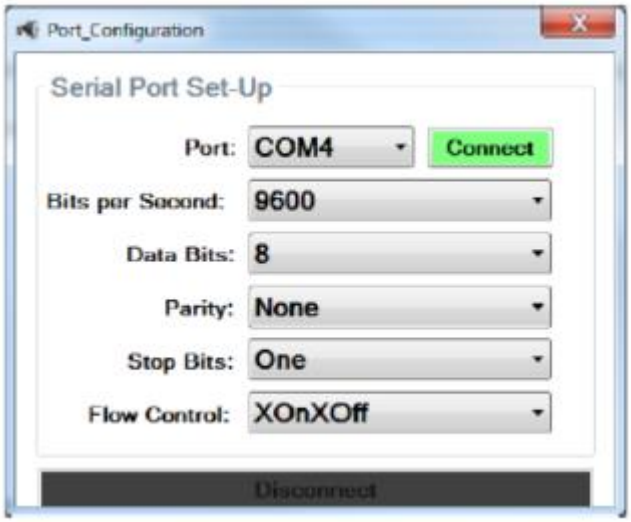




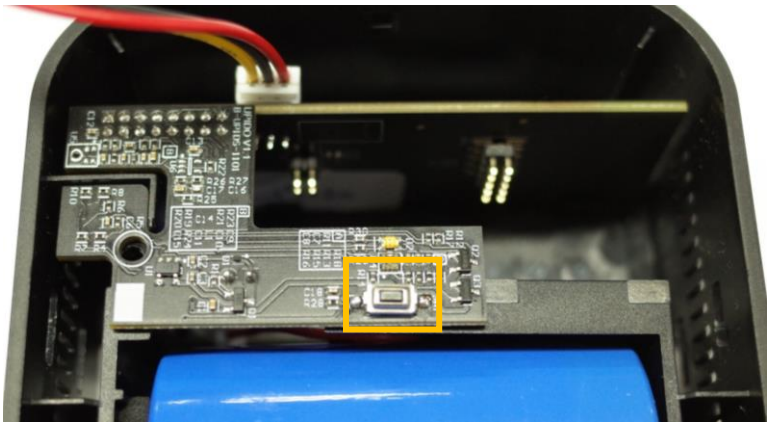
3. Connect the USB output to the computer.



4. Open a terminal emulator (such as Putty, Teraterm…) and set up the port configuration as below image.



5. Push the button for 10s to enter the serial mode.



6. In the terminal, configure the internal clock (K) and/or more system settings such as the Downlink and Transmission modes and save it.(refer to the specifications document "M.CRIGEN.NAN.2019.0019").

```
>k= a6794
>w= a1
>p?
1= 1C3E8
3= A122
4= 060006000600008258
5= 060006000600008258
9= 060006000600008258
T= A0B1
X= A0G1
K= 6794
```

Above example: Clock= a6794= 19:40

7. Enter the command “exit” to leave the serial mode and switch to normal mode.

3.4. First results

After activating the Upido basic or exiting the serial mode, the Upido basic is requesting a timestamp downlink from the Cloud to get the current time.
If the current time is well received by the Upido Basic, it calculates the next DL request according to the Sigfox contract chosen.

Example:

Gold contract = 4 DL / day.
Current time received= 19:35
Internal clock= 19:45

The Upido Basic waits 10min to reach 19:45 to make the first request for the configuration DL message.
Then, the next request for DL is made 6h later, at 01:45.

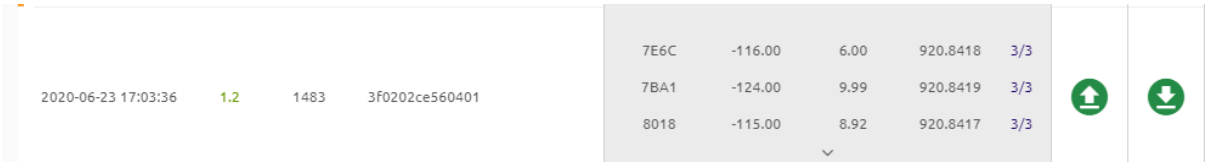
Where can I see Upido Basic data?

The Uplink and Downlink messages are visible on Sigfox backend and on any platform that has been configured in the callback on Upido device type through Sigfox backend.

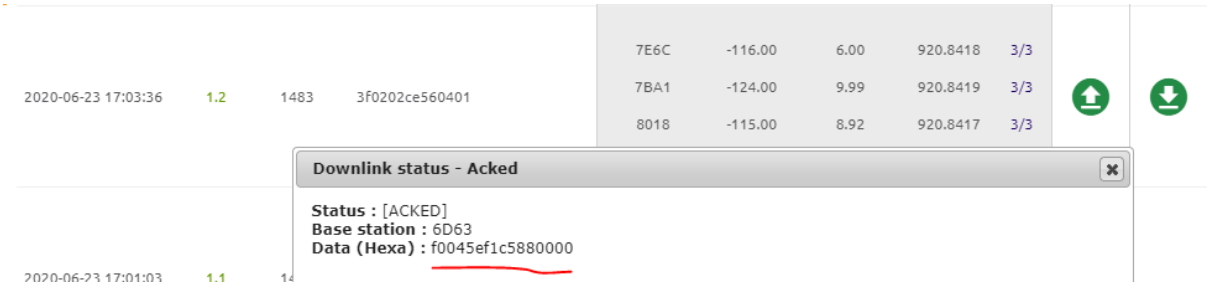
Example:

1. Sigfox backend

➢ Request for the Timestamp downlink= 3f0202ce560401

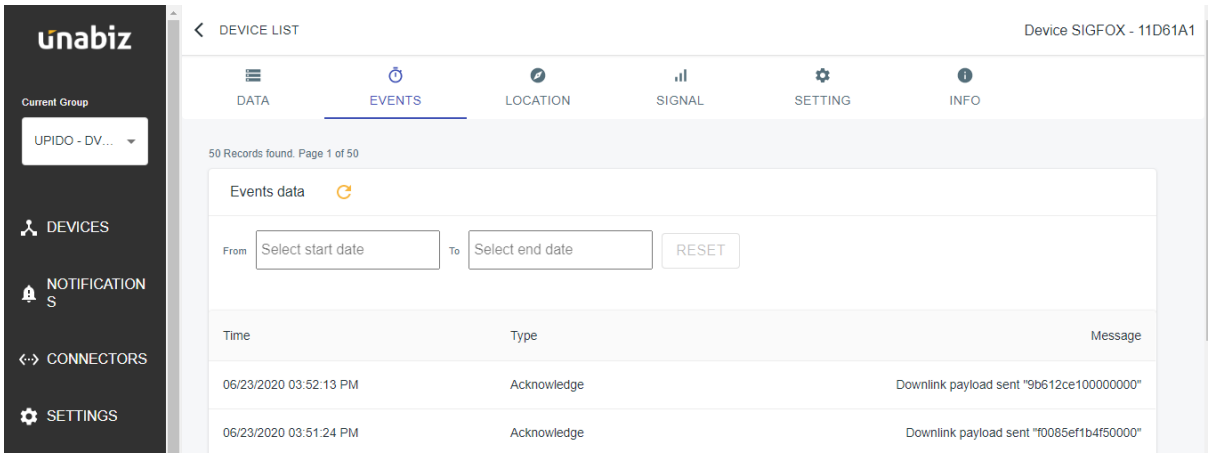


➢ Timestamp downlink received by the cloud= f0045ef1c5880000



Refer to the Downlink payload format “UPIDO.DL.payload.format.V2.0.1” to decode the received payload messages.

2. UnaConnect web app



4. INSTALLATION

After activating and initializing the Upido Basic, it is time to install it and let it work.

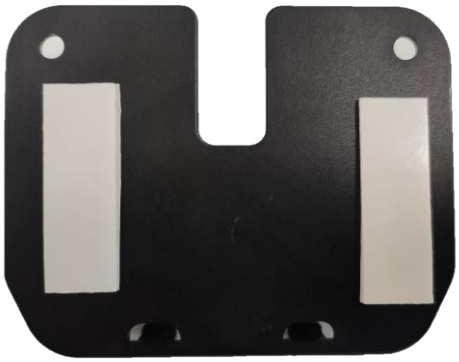
4.1.1. WALL MOUNTING

1. Insert two screws into the wall mount bracket and screw it on any surface.
   The recommended height is above 2m.

2. Slide the Upido into the wall mount bracket, first the side hooks, and then the bottom ones.

4.1.2.3M DOUBLE SIDED TAPE

Instead of using the wall mount bracket, use the two tape pieces to fix the Upido on a surface.
Fix one piece of tape on each side of the mounting bracket and it is ready to be stuck to a flat surface.



5. CONFIGURATION

The Upido basic onboards several parameters that can be defined by the user through the platform or by serial mode. Find below the table of all the parameters and associated default values.

Variable	Default value	Range	Unit
Button			
Status	0	Off (0) – On (1)	-
Delay between two measurements	10min	10min – 2h	1min
Battery (VOLT)			
Low Level Alert	3.2	3.6	0.1v
Brightness sensor (LUX)			
Status	0	Off (0) – On (1)	-
Limit of Error (LOE)	0	-1500~1500 Lux	1 Lux
Threshold Max	0	9999 Lux	1 Lux
Threshold Min	0	1 Lux	1 Lux
Return Value	0	0~10000 Lux	1 Lux
Delay between two measurements	1h	1 min ~ 2h	1 min
Temperature sensor (°C)			
Enable Sensor	0	Off (0) – On (1)	-
LOE	0	20~70 °C	±0.5 °C
Threshold Max	0	73 °C	0.1 °C
Threshold Min	0	-3 °C	0.1 °C
Return Value	0	-5~75 °C	0.1 °C
Delay between two measurements	1h	1 min ~ 2h	1 min
Humidity sensor (HR)			
Enable Sensor	0	Off (0) – On (1)	-
LOE	0	-5~5%	1%
Threshold Max	0	94%	1%
Threshold Min	0	6%	1%
Return Value	0	5~95%	1%
Delay between two measurements	1h	1 min ~ 2h	1 min