

SMART PET FEEDER

FEEDER DEVICE / CENTRAL HUB

USER MANUAL

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1. Components description

1.1 Central HUB

- 1 **Power cable**, cable responsible for powering the **Central HUB**, should be connected to an adapter with an **output of 5V** and inserted into a power plug near the device, Fig.1 and Fig.3.



Figure 1 Central HUB, Power cable

- 2 **Ethernet cable**, the **ethernet cable** must be directly connected to the local Wi-Fi router, Fig.2 and Fig.3.



Figure 2 Central HUB, Ethernet cable

- 3 **Central HUB**, device responsible for managing the data between the android APP and the Feeder Device, Fig.3.



Figure 3 Central HUB, connections

1.2 Feeder Device

1. **Power cable**, cable responsible for powering the **Feeder Device**, should be connected to an adapter with an **output of 5V** and inserted into a power plug near the device, Fig.1 and Fig.4.

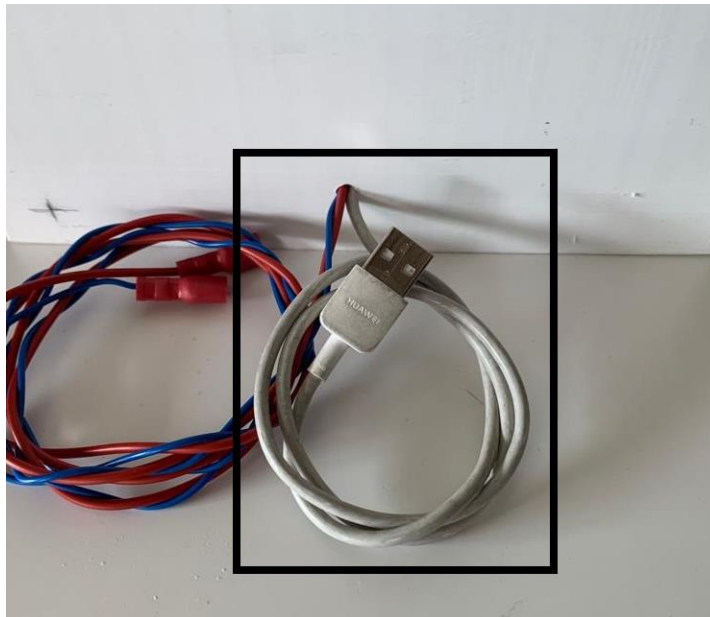


Figure 4 Feeder Device, Power cable

2. **Water access point**, small pipe to connect the water valve of the **Feeder Device**, Fig.5.

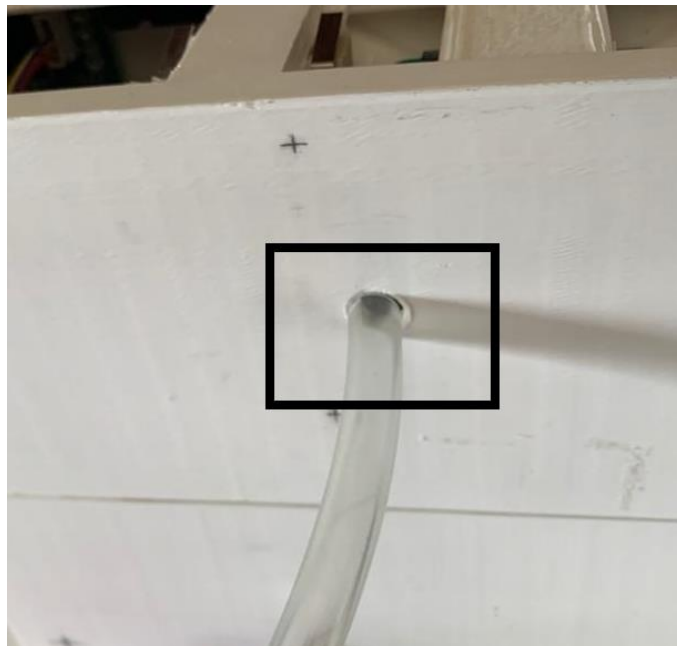


Figure 5 Feeder Device, Water access point

3. **Water and Food bowls**, part of the **Feeder Device** where the pet's food and water will be for the animal dispose, Fig.6.

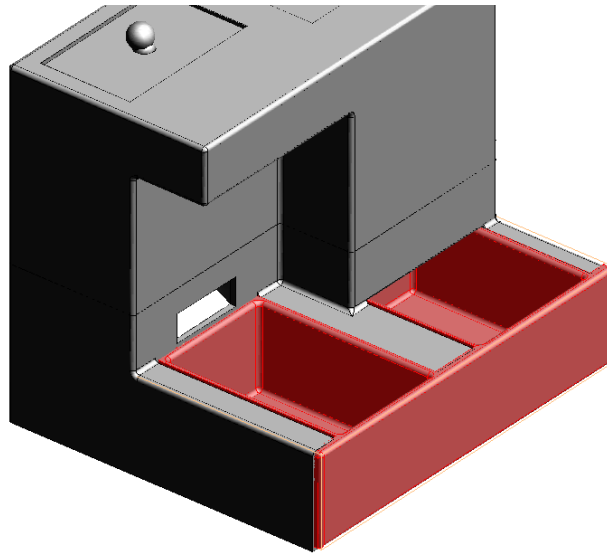


Figure 6 Feeder Device, water and food bowls

4. **Deposit cover**, covers the deposit of the pet's food, Fig.7.

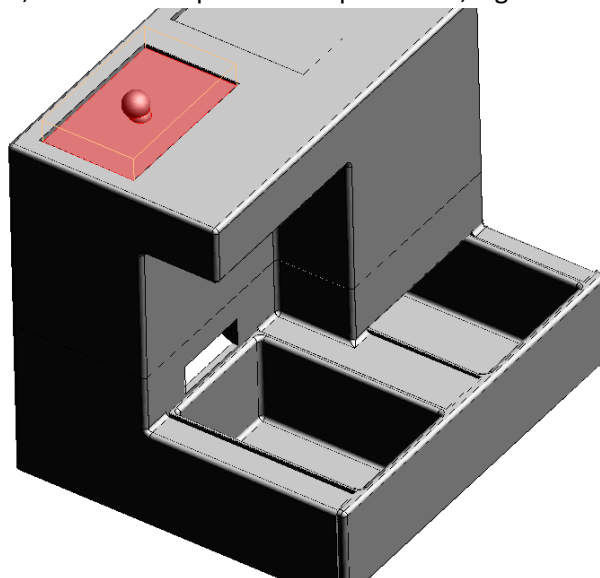


Figure 7 Feeder Device, deposit cover

2. Installation

To install the services of the Feeder Device and the Central HUB, as the first step, the user must connect the **Ethernet cable (2)** to the **Central HUB** and then connect the **Power cable (1)** to the **Central HUB**, Fig.8.

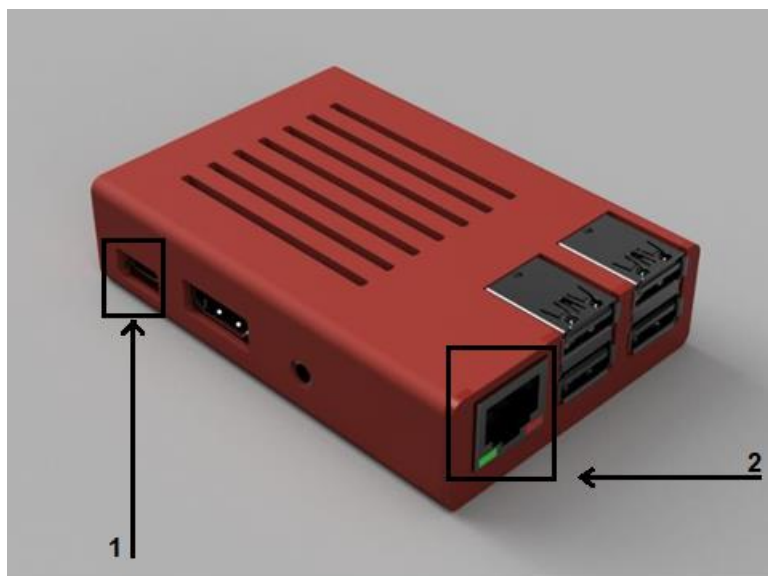


Figure 8 Installation of the Central HUB

After installing the **Central HUB**, the user must fill the deposit of the **Feeder Device** through the Deposit cover, then connect a water supply to the **Water access point** and make sure it doesn't leak. After that connect the **Power cable** to the **Feeder Device**.

The connection between the **Central HUB** and **Feeder Device** will be automatic, if the connection is correctly made then the **green light** will turn on, Fig.9.

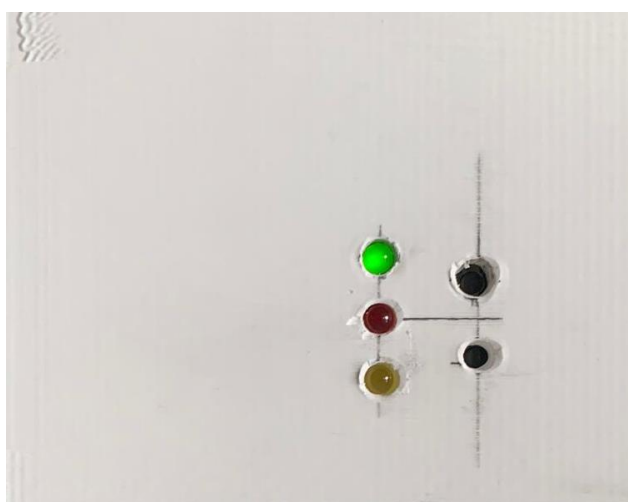


Figure 9 Feeder Device, connection Led

3. Cautions

3.1 Cautions with Central HUB

- a) The **Central HUB** must be **placed in an open space** to guarantee the communication with the **Feeder Device**.
- b) The **Central HUB** must be away from **children** and **pets**.
- c) Must be **away from heaters**, or the case could melt.
- d) **Mustn't be** near of **water** or **humid places**.

3.2 Cautions with Feeder Device

- a) Verify if the **water pipe** is **correctly connected** to the **water access point**.
- b) The user must be cautious about **water in contact** with the **Feeder Device**, the contact with water must be **only** with the **bowl** and the **water access point** in case there is water in **any other place**, the device must be **turned off immediately**.
- c) Verify if the **deposit cover** is **fully closing** the food entrance.
- d) Make sure the **food outlet** is **clear**, Fig.10 and Fig.11.



Figure 10 Food outlet

- e) Perform **maintenance** on the **sensors** every 2 months, the dust from the food could change the sensors values, Fig.11 and Fig.12.



Figure 11 Sensor (1)



Figure 12 Sensor (2)

- f) Make sure the **food and water bowls** are **fully inserted** into the **Feeder Device** or it will enter in **safety mode**, Fig.13.



Figure 13 Bowls sensor

- g) Always **pick the Feeder Device** from the **bottom of the case**, Fig.14 and Fig.15.

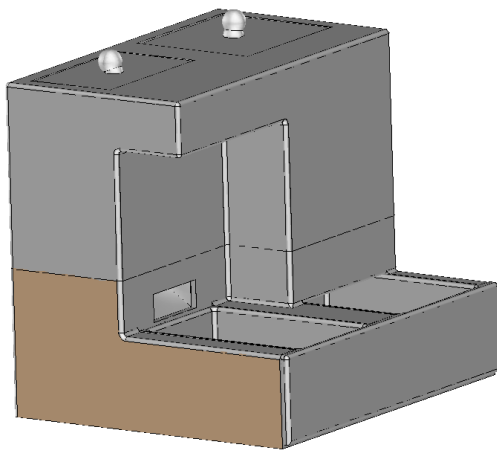


Figure 15 Feeder Device, hold safety zone left

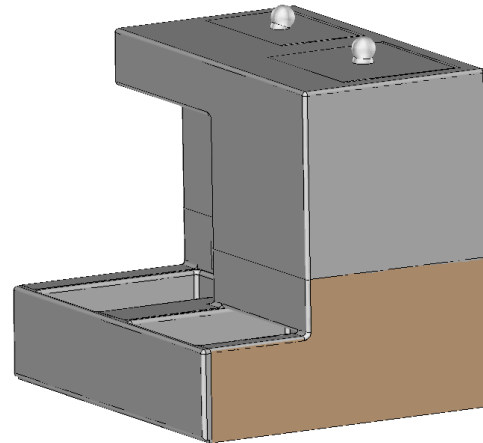


Figure 14 Feeder Device, hold zone right

4. Errors

- In case the **food doesn't come out** of the food outlet, first check **if the red led is turn on**, which means the deposit is almost empty, Fig.16. If food still doesn't come out then **verify the cautions c), d) and f)**.



Figure 16 Feeder Device, red led

- If the **Feeder Device drops food or water when unwanted** and the **Yellow led is turn on**, Fig.17, **verify cautions a), b) and e)**.



Figure 17 Feeder Device, yellow led

- If the **Feeder Device** doesn't work and **none of the led's is turn on or blink**, then press the **RESET button**, Fig.18. If the **error remains**, then **pull out the power cable** of the **Feeder Device** and the **Central HUB** and put it back on. If the **error remains**, then report the error to a technical.

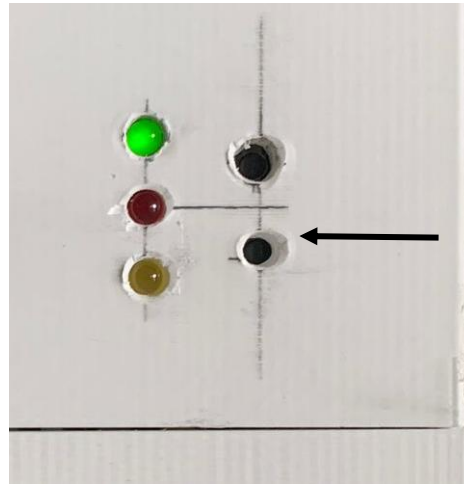


Figure 18 Feeder Device, reset button

5. Dashboard

The **Dashboard** can be accessed in **any browser** by searching “**192.168.1.199:1880/ui**”, if the same one is connected to same network as the **Central HUB**, Fig.19.

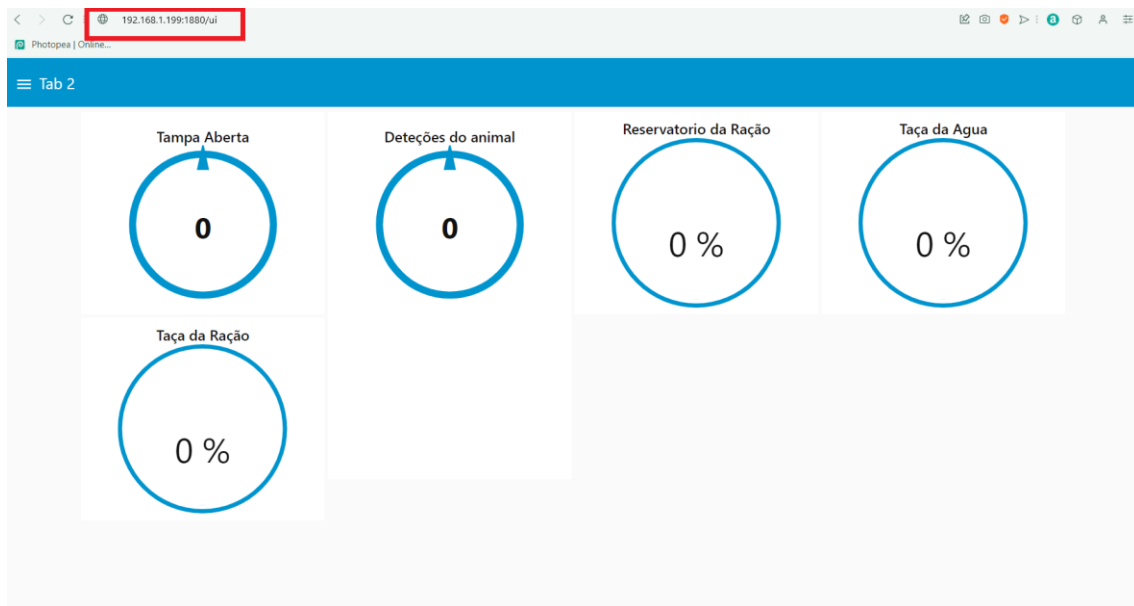


Figure 19 Dashboard

In the **Dashboard** the user can check if the deposit cover is open (1), the pet's presence (2), the deposit level (3), water bowl level (4) and the food bowl level (5), Fig.20.

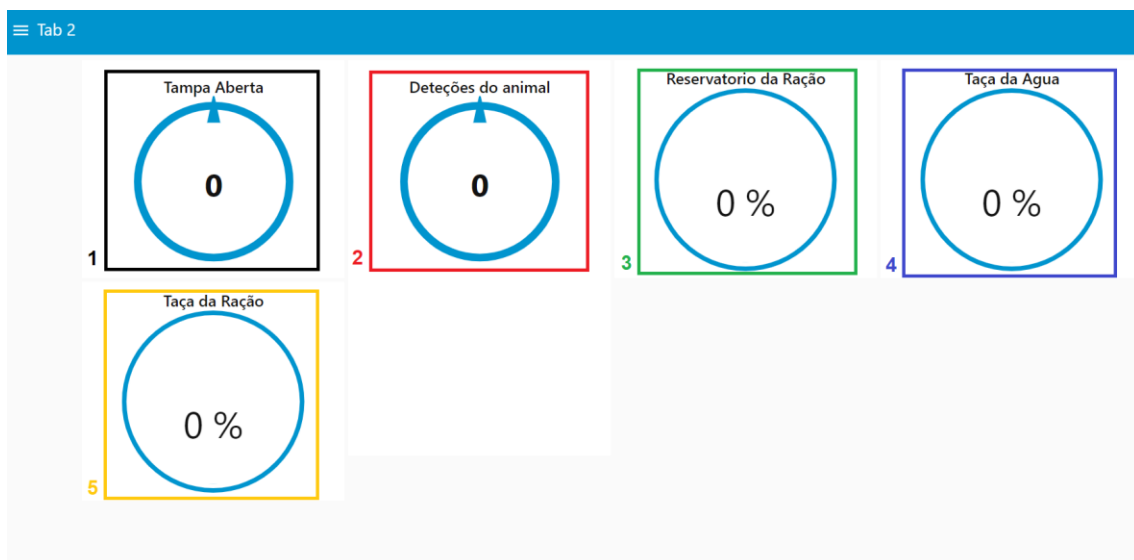


Figure 20 Dashboard description

6. Manual meal

To perform a manual meal, the user must press the **Manual Meal** button, Fig.21.

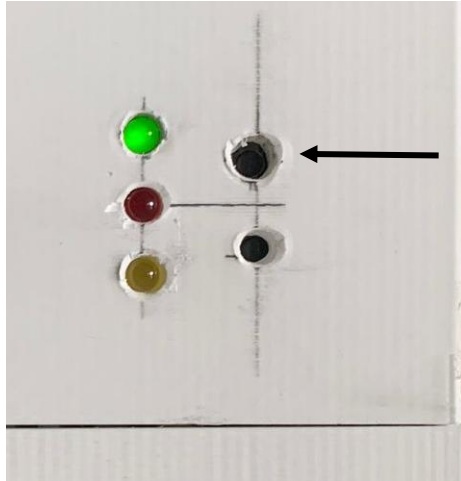


Figure 21 Feeder Device, manual meal button