

Quick Start Guide – Wireless webeyeFOG

Features

- Self-powered Standalone or central triggered.
- Very low energy consumption.
- Activation via single or double confirmation.
- Non-toxic incense-based smoke.
- No dust or residuals left.
- Permanent smoke presence (1 hour minimum).

Contents

The product comes with a complete sensor and accessories (tamper springs are inserted). In the bag you will find:

- Securing screw.
- Validation card (Validation card must be inserted into **M1**).
- Jumper socket.
- Tamper buttons.

Installation Hints

1. Avoid direct sunlight.
2. Avoid aiming directly at air conditioning or heating vents.
3. Avoid vapour or high humidity that may cause condensation.
4. Do not smoke during installation.
5. Do not install outdoors.
6. Install between 1.8m - 2.4m from the floor.

Description of LED Indication & Siren Key

LED	State	Action
Green	Alarm not activated	On for 5 seconds
Blue	Missing, used or dead cartridge / card not recognised	Flash 3 times every 30 seconds
	Battery Low	Flash 1 time every 30 seconds
Red	Alarm activated	On for 5 seconds
	Alarm occurred	Flash 1 time every 30 seconds
	Pre-Alarm occurred	Flash 1 time every second**
Siren	Alarm not activated	2 tones
	Forced activation*	2 tones
	Alarm activated	1 tone
	Alarm occurred	Continuous sound for 2 minutes
	Pre-Alarm occurred	1 tone every second for 20 seconds**

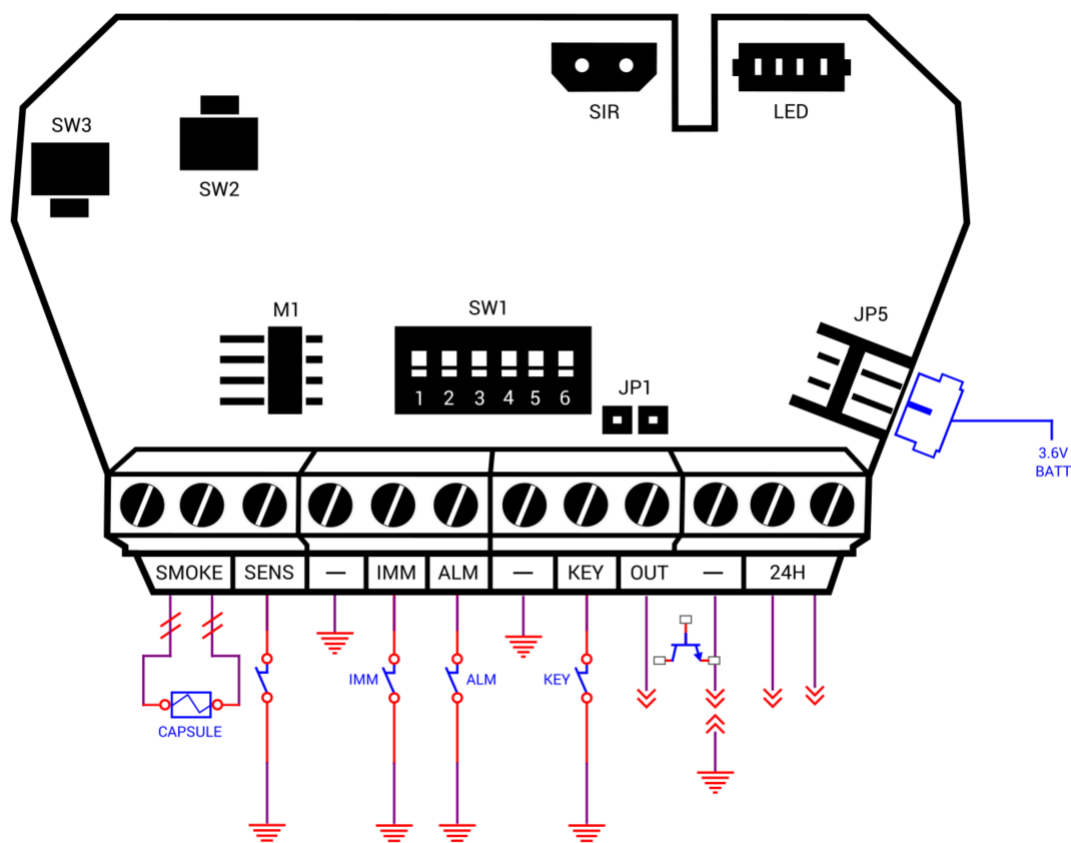
* Forced activation means try to activate system while input (SENS, ALM) is open (DIP4 ON).

** First 20 sec siren tone will occur, after 20 seconds siren stops, red LED will blink for additional 20sec.

PCB Layout

J5	Battery pack connector
LED	LED connector
SIR	Internal siren connector
JP1	Test mode and programming jumper
SW1-DIP SWITCH	For setting
SW2	Tamper switches – Wall sensor
SW3	Tamper switches – Cover sensor
*M1	Validation card connector

***M1:** Without validation card or invalid card, the cartridge cannot be activated.



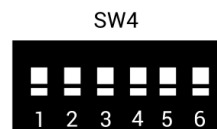
PCB Outputs & Inputs

SMOKE	Capsule terminal: join same colours wires and connect to same terminal
SENS	Pulses count sensor input; set parameter with DIP-Switch 5 & 6
IMM	Immediate alarm input (negative to pull) Priority over KEY settings
ALM	Pre-Alarm Sensor input (negative to pull)
KEY	ALARM insertion input (negative to pull); allows alarm activation on ALL and SENS inputs
OUT	OC anomaly output (negative to push) activated on: *Low battery - *Invalid card - *Missing cartridge - *Used or deadline cartridge
24H	Free contact tamper output (anti-sabotage) activated via SW2 or SW3

DIP-Switch Settings

With DIP-Switches 1- 6 it is possible to set the various options described in the previous section.

- Remove jumper socket on JP1 (if inserted).
- Set DIP-Switches as required.
- Insert jumper on JP1. This will confirm and activate the settings.



Capsule Deadline Prog			Siren & Wired Input Mode			SENS Pulse Count Selector		
DIP 1	DIP2	YEARS	DIP	ON	OFF	DIP5	DIP6	PULSES
OFF	OFF	1	3	Siren On	Siren Off	OFF	OFF	1
OFF	ON	2				OFF	ON	2
ON	OFF	3	4*	Enable wired input	Disable wired input	ON	OFF	3
ON	ON	4				ON	ON	5

NOTES:

DIP 4 settings are valid for **KEY, IMM, ALM & SENS**.

*In case of 'Enable wired input' input lines **KEY, ALM, SENS, & IMM** are **NEGATIVE TO PULL**.

*In case of 'Disable wire input' **ONLY wireless** commands are available by remote control or TRx module.

Installation Procedure

1. Unscrew fastening screw and remove the cover.
2. Remove the plastic sticker on the bottom of the cartridge.
3. Pull out the jumper on JP1.
4. Set DIP switches based on your requirements, as described in DIP Switch Settings.
5. Insert jumper socket on JP1 to confirm and activate settings.
6. Walk test unit prior to activation; pull out jumper socket on JP1, perform walk test, then insert jumper on socket JP1.
7. Once jumper socket JP1 is in place, attach the cover and screw into place within 4 minutes. During these 4 minutes, the red LED will flash. After 4 minutes, the red LED will stop flashing and the system is enabled.

Wireless Reset

Reset webeyeFOG-Wireless

1. Disconnect the battery pack.
2. Press both tampers 6-7 times to fully discharge cap.
3. Re-connect the battery pack, wait for the beep, and then press both tampers twice.
4. The red LED will flash 3 times to confirm that the device has successfully reset.

Activate Pairing Mode & Pairing Remote Control

Activate Pairing Mode on Wireless webeyeFOG

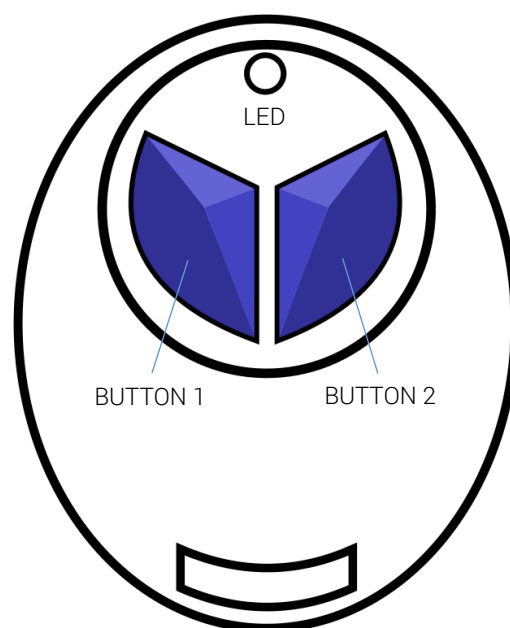
1. Disconnect battery pack.
2. Press both tampers 6 -7 times to fully discharge cap.
3. Re-connect the battery pack, wait for the beep, and then press both tampers 4 times (4 times a beep will occur; 5 in total).
4. A red LED will turn on to confirm pairing mode is now active.
5. Once all devices have been paired, press both tampers once. The red LED will turn off to confirm pairing mode has been deactivated.

Pairing Remote Control

1. With the Wireless webeyeFOG in active pairing mode, push button 2 on the remote control. A beep will occur, and the LED will flash 1 time green. A short vibration on the remote control confirms it has been successfully paired.

Remote Control Instruction

1. **Activate:** Push button 1 for 1 second;
Confirmation: 1 red LED flash + 1 vibration.
2. **Disable:** Push button 2 for 1 second;
Confirmation: 2 green LED flash + 2 vibrations.
3. **Immediate Alarm:** Push button 1 for 5 seconds, 5 times vibration will occur.
Confirmation: Siren and cartridge will activate.
After webeyeFOG has been activated, the LED will flash 3 times yellow and 3 times vibration.



Remote Control Reset

1. Push both buttons on the remote until the LED flashes green.
2. Release button 1 only.
3. Push button 1 two times and release button 2. The LED will flash 3 times green to confirm a successful reset.

Configuration & Pairing Wireless Door/Window Sensor with webeyeFOG

Reset Wireless Door/Window Sensor

1. Insert battery and press tamper 2 times.
2. Board LED will flash 3 times.

NOTE: This procedure is valid for any devices, i.e. motion detector. If the device has 2 tampers, both need to be pressed.

Pairing Wireless Door/Window Sensor

1. Insert battery and press tamper 1 time. A beep will occur, and the LED will flash.

NOTE: This procedure is valid for any devices, i.e. motion detector, add webeyeFOG (slave configuration). If the device has 2 tampers, both need to be pressed.

Impulse Setting for Shock Detector

1. Remove battery and discharge capacitors by pressing the tamper on the board several times
2. Insert battery and press the tamper 5 times, this will put the device into setting mode, and is confirmed by the LED turning on.
3. To set the sensitivity of the shock detector, press the tamper:
 - **1 time:** Very sensitive.
 - **1+ time:** Decreasing sensitive.
 - Save selection by pressing the tamper until the LED turns off.

Impulse Setting for Roller Shutter (Rope Contact)

1. Remove battery and discharge capacitors by pressing the tamper on the board several times.
2. Insert battery and press the tamper 4 times, this will put the device into setting mode, and is confirmed by the LED turning on.
3. To set the counter of the roller shutter, press the tamper:
 - **0 time:** Counter disabled.
 - **1 time:** Activation with 1 click.
 - **1+ time:** Activation with 1+ click.
 - You can check the setting by removing the rope and the LED will turn on upon the set tamper press interval.
 - Save the selection by pressing the tamper until the LED turns off.

Reset Shock/Roller Shutter Detector

1. Remove battery and discharge capacitors by pressing the tamper on the board several times.
2. Insert battery and press the tamper 5 times, this will put the device into setting mode, and is confirmed by the LED turning on.
3. Press the tamper until the LED turns off. The detector has now been reset.

Pairing TRx with webeyeFOG

NOTE: Ensure all webeyeFOG devices around the TRx are not enabled to avoid unexpected activations.

1. Connect TRX to power (+12v).
2. Press and hold the programming button SW1 on the TRx for approx. 6 seconds, until the LED of line 1 is on.
3. Press SW2 (Wall Sensor) and SW3 on the Wireless webeyeFOG you wish to pair to. Upon successful pairing, the LED will flash.

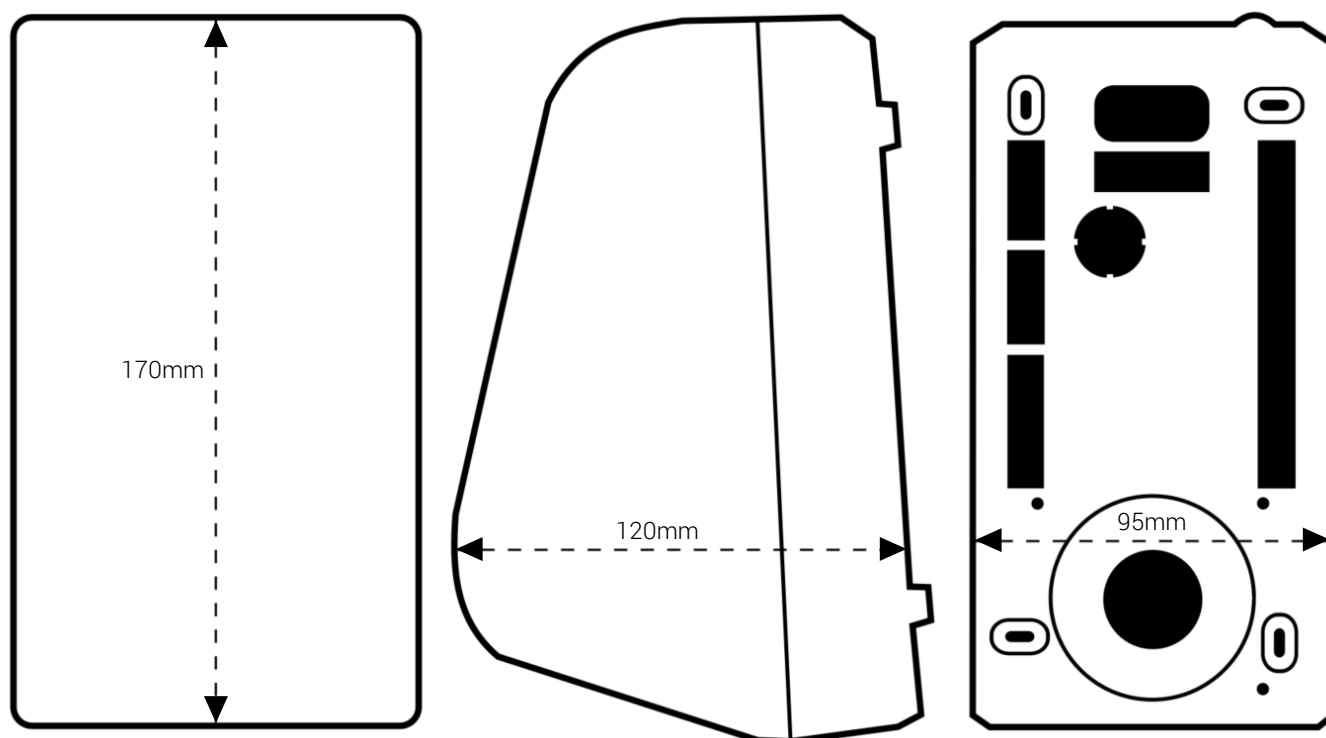
4. If you wish to pair another Wireless webeyeFOG at this point, press the programming button SW1 on the TRx for 1 second.
5. Repeat steps 2 – 4 until all required devices are paired.
6. To exit programming, press SW1 until the LED is off.

Note: The TRx will turn on the LEDs of any paired lines upon activation by KEY.

Technical Specifications

RF Frequency	Band ISM 868 – 869,5 Mhz GFSK
Dimensions (H W D)	170 x 95 120 mm
Weight	1 kg (including capsule)
Power Supply	Non rechargeable battery pack
Consumption (standby)	85 – 220µa
Maximum consumption	200 mA
Instantaneous absorption	Up to 200 mA (100 ms)
Filling capacity	150 - 250 m³
Smoke emission	Approx. 30 sec
Alarm state duration	2min
Protection level	IP44
Temperature range	-20 C to 80 C
Capsule standby live time	3 years
Coating	ABS
Colour	White

Dimensions



Certifications

Pyrotechnic articles: Category P1	Generic Type Smoke Generator: Subtype-Variants 3
Commercial Name: webeyeFOG	
webeyeFOG Compliance with R.E is based on compliance with the following documents:	
EN 50130-4: 2012, ENE 55022: 2009, EN 6100-4-2: 2011, EN 61000-4-3: 2007, EN 61000-4-4: 2006+EC: 2008 +A1: 2010, EN 61000-4-5: 2007, EN 61000-4-6: 2010, 61000-3-2: 2007+A1/A2: 2011	
EN 301 489-3v1.4.1: 2002, EN 301 489-1V1.9.2: 2011, EN 300 220-1 V2.4.1: 2012, EN 300 220-2 V2.4.1: 2012, EN 300 330-1V 1.5.1: 2006, EN300 330-2 V1.3.1: 2006	
EN 16263-1: 2015, EN 16263-2: 2015, EN 16263-3: 2015, EN 16263-4: 2015, EN 16263-5: 2015	
No-toxicity: D.Lgs. 81/2008 UNI EN 481: 1994, UNI EN 482: 1998, UNI EN 689: 1997, UNI EN 1076: 1999, UNI EN 1231: 1999, UNI EN 1232: 1999, UNI EN 1540: 2001	

Warnings

Please read the instructions for use and observe the safety warnings. In the event that the safety warnings contained in these instructions are not observed, we assume no responsibility for any damage to property or persons. In addition, the following warnings should be observed:

Generalities

- Keep the product away from extreme temperatures, direct sunlight, strong vibrations, water, excessive moistures, flammable gases, vapour's or solvents.
- Do not expose the product to mechanical stress.
- If it is no longer possible to use in complete safety, disconnect it from mains power immediately. The safety of use is no longer guaranteed if the product:
 - Presents visible damage.
 - It does not function correctly.
 - Stored for prolonged periods under unfavourable environments.
- Do not store objects within 1 meter of the smoke outlet.
- The capsule and metal container are very hot after each delivery. Be careful not to touch parts until they have cooled.
- Do not stand for long in smoke-filled rooms.
- Ventilate the rooms until the smoke disappears before entering.
- Do not smoke during installation and handling of the product.
- The use of the product is expressly forbidden to minors under 18 years.

Electrical safety

- In order to ensure perfect system operation, we recommend using original batteries.

Maintenance & Cleaning

- Do not use strong detergent, alcohol and chemical solvent, to avoid surface damage and device functionalities.
- Use a dry rag for cleaning.

Disposal

- It is forbidden to dispose in domestic waste.
- The product must be disposed in compliance with the codes and law in force.