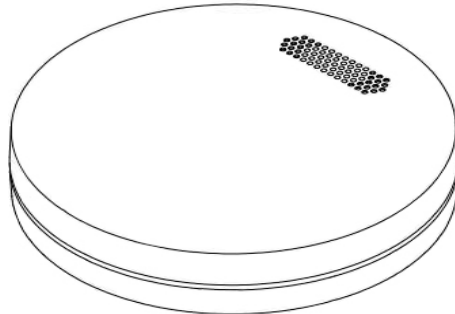# INTERLINKED SMOKE AND HEAT DETECTOR

USER MANUAL

ALPENLUFT

Article No.: FSH-10000, FSH-10001, FSH-10003, FSH-10005, FSH-10010

Please read all instructions and notes carefully. Keep these instructions in a safe place so that you can refer to them later if necessary. later. If you pass the product on to someone else, please this manual with it.

Product Specifications

- Battery Lifespan: 10 years
- Operation Current: <30uA (standby); <70mA (alarm)
- Alarm Volume: >85 dB(A) at 3 meters
- Alarm Sensitivity: 0.09 - 0.17 dB/m
- Heat Sensitivity: 54~72 °C
- Low Battery: 2.6 ± 0.1 V
- Silence Time: approx. 10 minutes
- Frequency: 433.92MHz
- Frequency band: 12.1 - 13.9 dB
- Maximum transmission power: 13 dB
- Working distance: Up to 100m (outdoor in open area)
- Max. interlinked devices: 30pcs per group
- Working Mode: smoke alarm or heat alarm (swichtable)
- Master smoke/heat alarm sound pattern: BI 0.5s - pause 0.5s - BI 0.5s - pause 0.5s - BI 0.5s - pause 1.5s, with LED flashing red, pattern repeating
- Slave smoke/heat alarm sound pattern: BI 0.1 s - pause 0.1 s with LED flashing red, pattern repeating
- In compliment with Standard EN 14604:2005/ AC:2008/BS 5446-2:2003

Packing List

1 × Photoelectric smoke alarm, 1 × Mounting bracket, 1 × Screw Kit , 1 × Adhesive double-sided strips, 1 × User manual
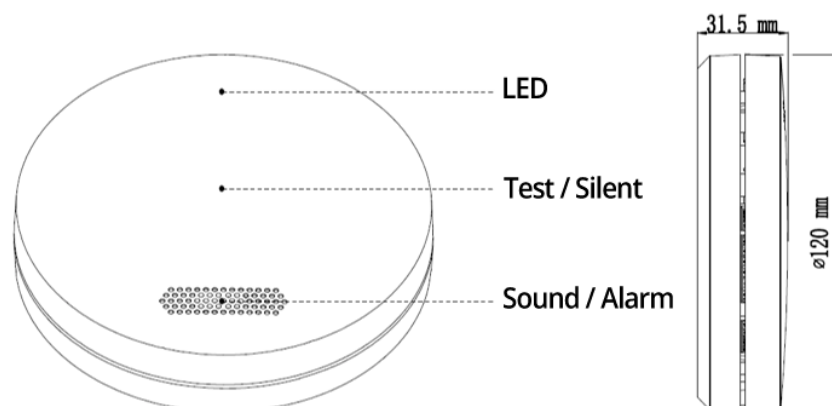
Safety instructions and warnings

- Make sure that you do not damage any live cables in the wall during installation.
- Never leave children unattended with the packaging material. There is a risk of suffocation from swallowing or inhaling small parts or film.
- Always keep children away from the appliance. It is not a toy.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance.
- Cleaning and user maintenance must not be carried out by children without supervision.
- Only operate the appliance indoors in a dry, dust-free environment.
- Do not expose the device to moisture, heat, cold, vibrations or constant sunlight.
- Do not open the housing. The device does not contain any serviceable parts.
- Do not operate the device if it is visibly damaged.
- The device can only react to smoke and to exceeding a temperature threshold and not to flames or gas.
- Do not heat the battery above 60 °C and do not throw it into a fire: risk of fire, explosion and burns!
- Do not short-circuit the battery.
- Do not attempt to open the battery.
- Avoid direct sunlight at the storage location. The ideal temperature is 10 - 20 °C.

Intended use

The wireless warning detector is used to monitor the environment for smoke and heat development and to send an alarm signal and inform the other smoke detectors if smoke is detected or the temperature threshold of 54-72 °C is exceeded.
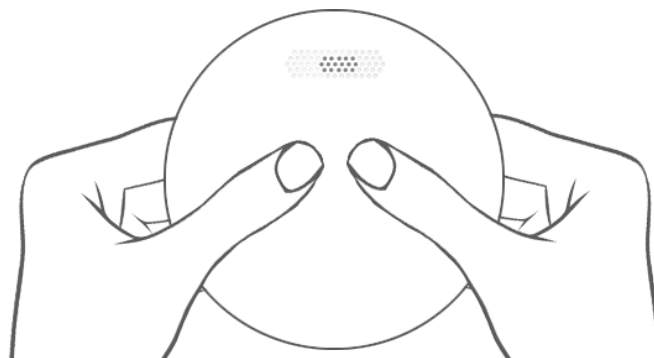
Product profile

Installation

Power on & off

The device is turned off by default. It must be activated before usage.

Power on--- Press the test button for 10 seconds. Release the test button when the red LED lights up. The alarm is now active.

Power off--- Press and hold the test button for 10 seconds. Release the test button when the red LED lights up twice. The alarm is now inactive.

Where to install

1. Please link all devices before mounting them (see „Interlinked Smoke Detectors").
2. Mount a device in every bedroom and hallway.
3. Install a device at the stairway and on every floor of the house.
4. Smoke, heat ond flames will spread horizontally after rising to the ceiling, therefore the alarm has to be installed in the center of the ceiling.
5. If the alarm cannot be installed in the middle of the ceiling, install it 300mm away from the corners. (See figure 1).
6. If the alarm is installed on the wall, it should be kept 100mm away from the ceiling.
7. If the length of the room or hallway is more than 60m² you need to install several alarms.
8. If the wall or ceiling is slanting, the alarm needs to be installed at least 500mm away from the highest wall or ceiling point in the room (see figure 2).
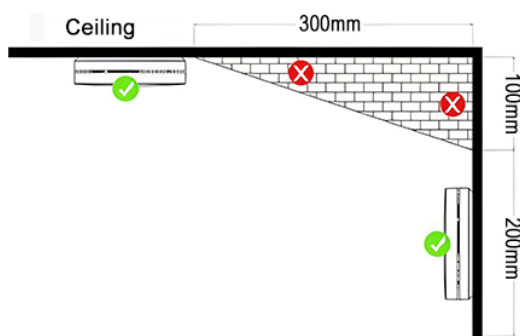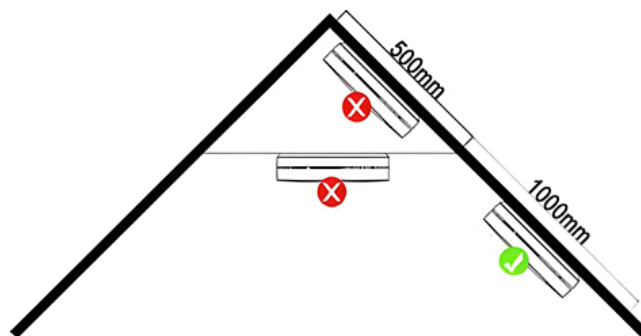

Figure 1

Figure 2

Locations to avoid

1. In high-humidity areas such as kitchens, and bathrooms only with heat mode.
2. Next to air outlets, fans and central heating.
3. Dusty, dirty areas or areas with insects.
4. High-temperature places or areas susceptible to dirt.
5. Places that are hard to reach, making it difficult to conduct tests.
6. Within 1.5m of lamps.
7. Next to doors or windows.
8. At the top of rooms with sloping roofs, the corner of the room or other dead-air spaces.

Interlinked Smoke Detectors

The Smoke Detectors are linked via radio frequencies. If a device detects smoke or fire, all devices will sound the alarm. There is no wiring required. You need at least 2 devices to establish a link!

Video instructions for smoke alarm

Sie können sich auch eine Videoanleitung zur Bedienung Ihrer Rauchmelder ansehen. Gehen Sie dazu You can also watch a video tutorial on how to use your smoke detectors. To do so, please go to www.alpenluft.org/vidfshgaen or scan the QR code below:

Video instructions for remote control

If you would like to operate your detectors by remote control, please go to www.alpenluft.org/vidfshfben or scan the QR code below to watch a video tutorial:

Linking devices

Method 1- via device

Step 1: Press the Test Button rapidly 4x on one of the devices. The green LED now blinks - Send Mode is enabled for 60 seconds.
Step 2: Press the Test Button 2x on other devices. The green LED blinks - Receiving Mode is enabled.

- Pairing successful: The green LED stops blinking.
- Pairing failed: The green LED continues to blink for 60 seconds, following with a red LED blinking of 2 seconds.

Disconnect devices

Press the Test Button 2x in quick succession. The green LED now flashes for 60 seconds. Then the red LED flashes to confirm that the connection has been terminated.

Method 2 - via remote control

Step 1: Press the Test Button rapidly 2x. The green LED now blinks - Receiving Mode is enabled.

Step 2: Press the Test Button ((((•))) on the remote. The red LED starts to blink - Send Mode is enabled for 60 seconds. Once the Smoke Detector has received the signal the connection is established.

- Pairing successful: The green LED stops blinking.
- Pairing failed: The green LED blinks for 60 seconds, then a red LED blinks for 2 seconds.

Integrate device into existing network

To integrate a new smoke detector into an existing network, you only need to set any detector - as described above - to Send Mode and the new device to Receiving Mode.

Mounting

Option 1- Adhesive Tape

Install your devices at the ceiling using the included adhesive tape.

Option 2 - Drilling

1. Twist the mounting bracket off of the alarm.
2. Put the bracket an the installation position and mark the screw holes on the ceiling or the wall.
3. Drill two mounting holes in the marked places with an electric drill (the diameter of the drill hole is 5mm) and insert two plastic anchor plugs by using a hammer.
4. Screw the mounting bracket to the ceiling or the wall (see figure 3).
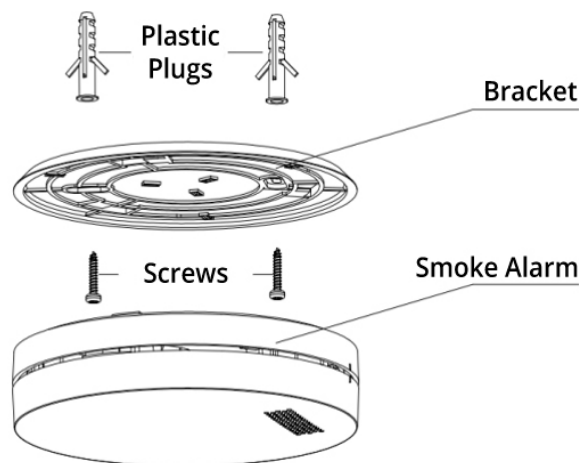5. Attach the alarm to the mounting bracket and turn it clockwise to lock it in place.

Figure 3

Please note!

If the surface is not suited for the adhesive strips, the smoke detectors should be screwed on to prevent them from falling from the ceiling and being damaged.

Test your devices

Please conduct a test to ensure proper function. Press the test button - the alarm will sound if the unit is working properly. If there is no sound, please refer to the "Trouble shooting" section to resolve the problem.

⚠ CAUTION!

1. **No open flame!** DO NOT test your alarm using an open flame. This may damage the smoke alarm, or ignite combustible materials and start a fire.
2. **Hearing protection!** DO NOT test the alarm without wearing hearing protection. Exposure at close range without protection damage your hearing.

Switching between Smoke and Heat Mode

Press the Test Button 3x to switch between Smoke and Heat Mode. Red LED = Smoke Mode. Green LED = Heat Mode. Heat Mode is intended for rooms like kitchens, bathrooms or garages, where smoke detectors cannot be used, due to smoke and steam.

LED - Indicators

1. Test Mode: Red LED flashes once every second (in total 3x), after a small pause, this process repeats again.
2. Silent Mode: Red LED flashes once every 8 seconds.
3. Low Battery: Red LED flashes and beeps once every 60 seconds.
4. Error Mode: Alarm beeps once every 40 seconds.

Silent Mode

You can stop the Alarm Mode on your device for 10 Minutes by pressing the Test Button. The red LED will blink every 8 seconds - the device is now in Silent Mode. The Silent Mode may only be used if a confirmed false alarm (e.g. smoke from cooking) has occurred. The device automatically switches back to Alarm Mode after 10 minutes. The alarm will sound again if there are fume particules left in the air.

⚠ CAUTION!

Before switching to Silent Mode please find the smoke source and make sure there is no danger of fire.

Finding the cause of an alarm

Once a smoke detector has detected smoke or fire, a "Master" alarm is sounding. When the other devices receive the signal, they give a "Receiver" sound alarm until the "Master" alarm stops. You can

find the cause by looking for the" Master" device. By pressing the Test Button on that device, you can also stop the alarm on all "Receiver" devices.'

Maintenance and cleaning

To remove dust and dirt, please clean your devices at least once a month. Please use a vacuum cleaner or a soft cloth. Clean all sides of the device. If you should find any damage on the devices or the battery, please refer to section "Trouble Shooting". If you need further assistance, please email us at office@alpenluft.org, or contact the vendor from whom you bought the product.

⚠️ CAUTION!

This device has an inbuilt 10 year-lithium battery. The battery is fused into the device and cannot be removed or changed.
DO NOT TRY TO REMOVE THE BATTERY.

Trouble Shooting

Problem	Solution
No reaction when testing the alarm	Make sure that the alarm is activated (Press the Test Button for 10 seconds).
The red LED blinks, a silent alarm sounds every 60 seconds.	Battery power is low. The device needs to be replaced.
The alarm sounds every 40 seconds	▪ Clean the device. ▪ The device is defective. Please contact your vendor.
False alarms occurring while cooking, showering etc.	▪ Press Test Button to activate Silent Mode. ▪ Clean the device. ▪ Mount the device in a different location

We are here to help

If your device has a malfunction, please contact us via email at office@alpenluft.org. Please add your invoice number or order number and describe the malfunction. We will get back to you and replace the faulty device.

LEISTUNGSERKLÄRUNG

DECLARATION OF PERFORMANCE (DoP)

No.: DOP-2024-07-03

Gemäß Anhang III der Verordnung (EU) Nr. 305/2011 (Bauproduktenverordnung)
According to Regulation (EU) No. 305/2011

Für das Produkt:
For the product:

1. **Eindeutiger Kenncode des Produkttyps:**
   Unique identification code of the product-type:

   ALPENLUFT – Rauchmelder / *Smoke detector*

2. **Typen-, Chargen- oder Seriennummer oder ein anderes Kennzeichen zur Identifikation des Bauprodukts gemäß Artikel 11, Absatz 4:**
   Type, batch or serial number or any other identifier to identify the construction product pursuant to Article 11, paragraph 4:

   Art.-Nr. STA-10000, FSH 10000

3. **Vom Hersteller vorgesehener Verwendungszweck oder vorgesehener Verwendungszweck des Bauprodukts gemäß der anwendbaren harmonisierten technischen Spezifikation:**
   From the manufacturer's intended use or intended use of the product construction according to the applicable harmonized technical specification:

   Rauchmelder für den häuslichen Anwendung in Übereinstimmung mit EN 14604 (2005) + AC 2008
   Smoke detectors for domestic use in accordance with EN 14604 (2005) + AC 2008

4. **Name, eingetragener Handelsname oder eingetragene Marke und Kontaktanschrift des Herstellers gemäß Artikel 11, Absatz 5:**
   Name, registered trade name or registered trade mark and contact address of the manufacturer in accordance with Article 11, parag. 5:

   MAJUMU GmbH
   Hauptgasse 23/5
   7083 Purbach am Neusiedlersee
   Austria

5. **System oder Systeme zur Bewertung und Überprüfung der Leistungsbeständigkeit des Bauprodukts gemäß Anhang V:**
   System(s) of assessment and verification of constancy of performance of the construction product:

   System 1

6. **Im Falle der Leistungserklärung, die ein Bauprodukt betrifft, das von einer harmonisierten Norm erfasst wird:**
   In the case of the declaration performance, concerning a construction product covered by a harmonized standard:

   Notifizierte Prüfstelle: 1008/ TÜV Rheinland InterCert Kft.
   Notified laboratory: 1008/ TÜV Rheinland InterCert Kft.

7. **Leistungserklärung**
   Declaration of Performance

Wesentliche Merkmale/ Essential characterstics	Leistung/ *Performance*	Harmonisierte techn. Spezifikation/ *harmonized techn. specification*
Betriebszuverlässigkeit/ Operational reliability	Pass	
Wiederholbarkeit / Repeatability	Pass	
Richtungsabhängigkeit/ Directional dependence	Pass	
Ausgangsansprechempfindlichkeit / Initial sensitivity	Pass	
Luftbewegung / Air movement	Pass	

Blendprüfung / Dazzling (45°, 90°)	Pass
Trockene Wärme/ Dry heat (55±2°C, 2h)	Pass
Kälte (in Betrieb)/ Cold (operational) (0±2°C, 2h)	Pass
Feuchte Wärme (in Betrieb)/ Damp heat (operational) (40±2°C, 93±3%, 96h)	Pass
Schwefeldioxid (SO2)-Korrosion / Sulphur dioxide (S02) corrosion (25 °C; 93 %; 25 ppm; 4 days)	Pass
Schlag / Impact (1,9±0,1 J; 1 time)	Pass
Schwingen (in Betrieb)/ Vibration (operational) (10 to 150 Hz; 5m/s2; 3 axes)	Pass
Schwingen (Dauerprüfung)/ Vibration (endurance) (10 to 150 Hz; 10m/s2; 3 axes)	Pass
Elektromagnetische Verträglichkeit (EMV) Störfestigkeitsprüfungen (in Betrieb)/ Electromagnetic compatibility (EMC), immunity (operational)	Pass
Brandansprechempfindlichkeit / Fire sensitivity (TF2; TF3; TF4; TF5)	Pass
Batteriestörungsmeldung / Battery fault warning	Pass
Schallemission / Sound output	Pass
Dauerhaftigkeit des Siqnalqebers / Sounder durability	Pass
Vernetzungsfähige Rauchwarnmelder I Inter-connectable smoke alarms	N/A
Alarmstummschalteinrichtung(wahlweise} / Alarm silence facility	N/A
Schwankungen der Versorgungsspannungen / Variation in supply voltage	Pass
Polaritätsumkehr / Battery reversal	Pass
Zusatzstromversorgung / Back-up power source	N/A
Anforderung an die elektrische Sicherheit/ Electrical safety requirements	Pass

EN 14604: 2005
EN 14604: 2005/AC:2008

8. **Die Leistung des Produkts gemäß den Nummern 1 und 2 entspricht der erklärten Leistung nach Nummer 8.**
   The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

Unterzeichnet vom Hersteller:
Signed by the manufacturer:

MAJUMU GmbH
Hauptgasse 28/5
A-7083 Purbach
office@alpenluft.org

Maurice Müller, Geschäftsführer
(Name und Position/ *Name and position***)**

03.07.2024, Purbach
(Datum und Ort, *Date and Place***)**

Declaration of Conformity

C E

No.:	**DOC 2024-07-03**
Name and address of manufacturer	**MAJUMU GmbH** **Hauptgasse 23/5** **7083 Purbach am Neusiedlersee** **Austria**

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Name and address of manufacturer	**MAJUMU GmbH** **Hauptgasse 23/5** **7083 Purbach am Neusiedlersee** **Austria**
Object of the declaration: Model:	**Smoke Alarm** **FSH-10000**
Brand:	**ALPENLUFT**

The object of the declaration described above is in conformity with the relevant union harmonization legislation:

EU legislation:	Radio Equipment Directive and Regulation (RED) 2014/53/EU Electromagnetic Compatibility (EMC) Directive 2014/30/EU Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU
Harmonized standards:	EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 50130-4:2011+A1:2014 EN 300 220-1 V3.1.1 EN 300 220-2 V3.2.1 EN 62479:2010 EN IEC 63000:2018

Signed for and on behalf of the manufacturer

Place and date of issue:	**Purbach, 03.07.2024**
Signature:	MAJUMU GmbH Hauptgasse 23/5 A-7083 Purbach office@alpenluft.org
Name, Function:	**Maurice Müller, Geschäftsführer**
Company name:	**MAJUMU GmbH**

Visit our ALPENLUFT Helpcenter

Here you will find helpful tips and answers to frequently asked questions,

as well as handy downloads and instrucion videos:

www.alpenluft.org/helpcenter-en

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