# SET UP VENTBOX 400 – RADON

## Inspection

- **Insulation of exterior ducts** – both supply and exhaust ducts must be insulated to prevent condensation.
- **Access to preheater pre-filter** – the filter location depends on the unit variant (right/left side).
- **Sealing of duct penetrations in the building envelope**.
- **Leveling the unit using adjustment screws on the back** – the unit must be properly balanced.
- **Additional insulation for ducts outside the building** – prevents condensation inside the ducts and minimizes heat loss.
- **Adjustment of radon probe connections**.

## Cables

- **RS485 communication line** uses a twisted pair.
- **Recommended cable**: UTP or FTP (commonly used in LAN networks).
- **RS485 line** uses a single twisted pair; other wires can be used for power supply.
- **Branching**:
  – RS485 line must have a clearly defined beginning and end.
  – **Star topology is not allowed. Cascade connection is correct**.

## Commissioning the Unit

**Procedure**

**1. Visual inspection** – The unit's casing must be undamaged.

**2. Powering on the unit:**

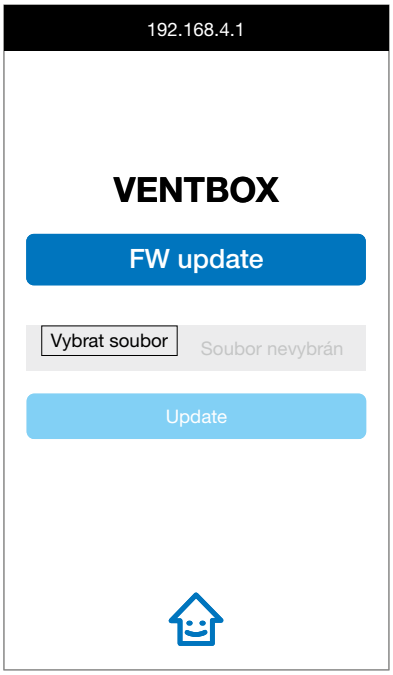
a. The unit broadcasts a Wi-Fi network named after its type and serial number.
b. Default Wi-Fi password: 12345678

**3. LED indicator status:**

a) **Green** – The unit is functioning properly.
b) **Red** – Fault indication (errors can be found under the "Info" tab in the "Error List" section).
c) **Blue** – Indicates the need for filter inspection or replacement.

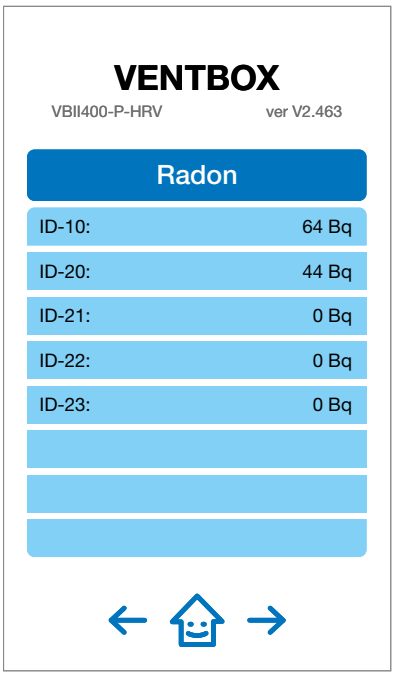
## Software Update

- **For operating 2–5 radon probes**, a software update to version **2.463 or higher** is required.




## Setting ID Addresses on Probes

- **ID 10:** 1,3,5,6,7,8 OFF; 2,4 ON
- **ID 20:** 1,2,4,6,7,8 OFF; 3,5 ON
- The **radon probe starts measuring after 10 minutes**, with more accurate results available after **24 hours**.



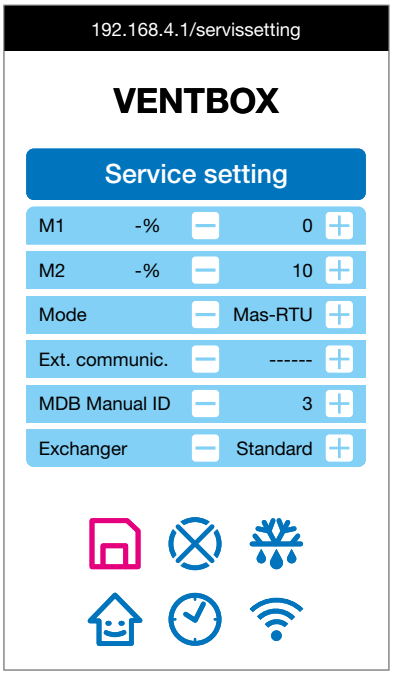

## Service Settings

**Access:**

- Address: 192.168.4.1/servissetting

**Configuration Options:**

- **Fan imbalance adjustment** – depends on the size and tightness of the building.
- **Creating overpressure** – reduces exhaust fan M2 capacity by at least **10 m³/h**.
- **Communication type setting** – Mas-RTU.
- **Restart is required after saving changes.**





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