

# MultiSensor-ROOM (BLE radio) - MANUAL



## ORDER-CODES:

KMS-ROOM-B-BLE, KMS-ROOM-W-BLE

[DATASHEET MULTISENSOR-ROOM](#)

The MultiSensor-ROOM is a battery-operated MultiSensor that can be networked via radio. The sensor is particularly suitable for cost-effective and wireless room monitoring.

The MultiSensor-ROOM requires a suitable remote station for radio operation. This wireless remote station is formed by the network-capable MultiSensors (MultiSensor-LAN or MultiSensor-TI), which also act as a wireless Ethernet gateway.

A SiteManager or AlarmManager in the MAIN-DEVICE operating mode is required for central management. Teach-in and configuration are performed entirely via the KentixONE web interface. The radio range between the gateway (MultiSensor-LAN) and MultiSensor-ROOM can be up to 20m. Up to 25 wireless sensors can be taught-in to a wireless Ethernet

gateway.

## **Safety instructions**

### **Installation**

Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.

No modifications of any kind, other than those described in an appropriate manual, are permitted to Kentix GmbH products.

Certain levels of protection must be provided when installing Kentix equipment.

Observe the relevant regulations for installations in the respective environment.

Only operate the products within the defined temperature range.

The instructions should be passed on to the user by the person carrying out the installation.

Kentix accepts no liability for damage to the equipment or components resulting from incorrect installation. No liability is accepted for incorrectly programmed units.

Kentix shall not be liable in the event of malfunctions, damage to property or other damage.

Use of the products, transport and storage

Protect the device during transport, storage and operation from

Protect moisture, dirt and damage.

Battery powered products

Do not use products in potentially explosive atmospheres.

Only operate the products within the defined temperature range.

Installation and battery replacement may only be carried out by trained personnel in accordance with the instructions.

Do not charge, short circuit, open or heat batteries.

When inserting the batteries, pay attention to the correct polarity.

The devices must always be operated with the batteries intended for the product.

When changing batteries, always replace all batteries.

Dispose of old or used batteries properly.

Keep batteries out of the reach of children.

Maintenance

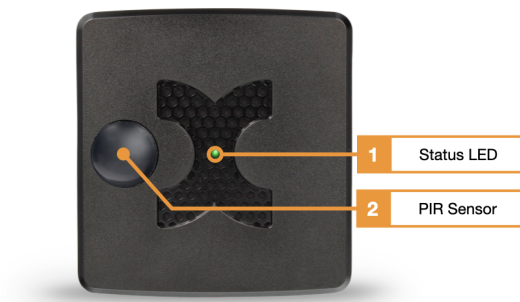
Kentix devices must be checked for functionality as part of annual maintenance.

Disposal

Electrical appliances and batteries must be disposed of separately from household waste.

## **Controls**

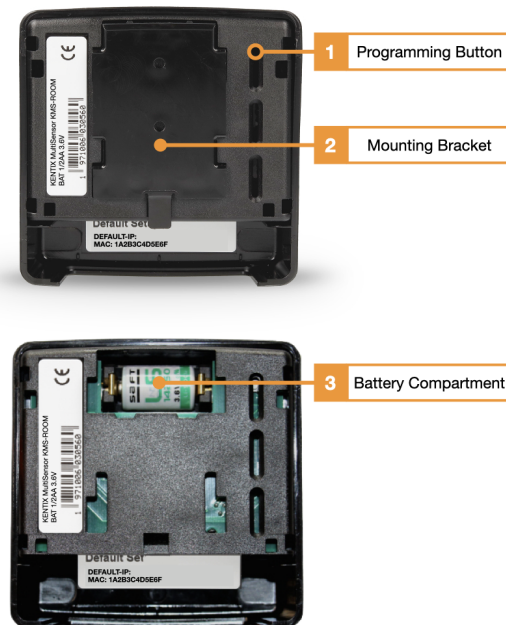
### **Front**



#### MultiSensor-ROOM front view

1. Status LED :  
**GREEN:** POWER OK, no alarms pending  
**RED:** POWER OK, alarms pending
2. PIR sensor

#### Back



#### MultiSensor-ROOM Rear view

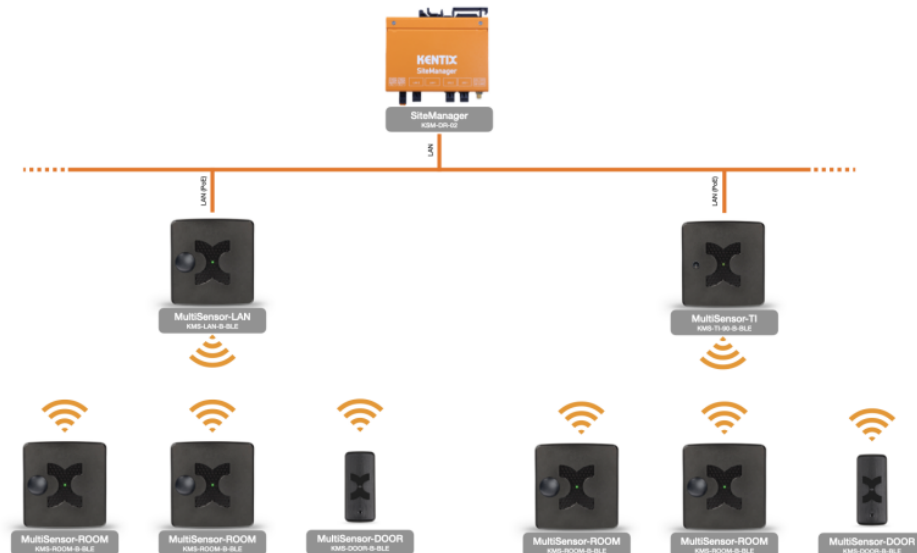
1. Teach-in key: This key is used to teach the device into the wireless network. To teach-in the sensor, start the teach-in process in the AlarmManager web interface and then press the teach-in button for 3 seconds until a beep is heard
2. Mounting bracket
3. Battery compartment: one 3.6V 1/2AA battery is required to operate the device

## Connect with radio network

1. MultiSensor-ROOM must be within radio range of a fully configured wireless Ethernet gateway (MultiSensor-LAN or MultiSensor-TI). It is recommended to perform the teach-in process closer than the actual placement range, about 3-5m.
2. Start the teach-in process in the KentixONE web interface in the "Detail View" area via the "Add device" button.
3. Now press the teach-in button on the MultiSensor-ROOM for approx. 3 seconds with the battery installed. After approx. 5-10 seconds, the MultiSensor-ROOM should be recognized as a new sensor.
4. Finally, carry out the configuration and place the MultiSensor-ROOM at the intended mounting location.

Due to the energy-saving functions of the MultiSensor-ROOM, arming for a motion alarm is only activated after approx. 5 minutes; this must be taken into account when testing the motion detection functionality.

## Application example



## Configuration with KentixONE

The device is configured via the web browser in KentixONE. The device must be accessible to the central KentixONE instance on the network side. Depending on the device type, a communication key and the IP address or DHCP name of the central KentixONE instance must also be set on the device (MultiSensors, AccessManager, SmartPDU). IP cameras or IO modules, on the other hand, can be integrated directly into KentixONE.

All information about the software can be found in the [KentixONE](#) section and the associated documentation.

Before starting the configuration, make sure that the software on all network-compatible Kentix devices is up-to-date. The version status must match on all devices.

**You can perform a software update for your KentixONE main instance and all connected satellites at any time via “System - Update”.**