AccessManager (radio) – MANUAL



ORDER-CODES:
KXP-16-B, KXP-16-W, KXP-16-B-BLE, KXP-16-W-BLE

DATASHEET ACCESSMANAGER RADIO

KentixONE Operating mode

SiteManager Operation	Stand-Alone Operation

Further information on the operating mode

Overview

The Kentix AccessManager Radio is the management unit for Kentix DoorLock radio

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components such as DoorLock-DC (door knob) or DoorLock-LE (door handle). Up to 16 DoorLock radio components can be taught into the AccessManager radio. The AccessManager is network-compatible and is supplied with power via Power over Ethernet (PoE).

The AccessManager can be operated as a main device (operating mode: Main Device) or in a network (operating mode: Satellite Device) with other AccessManagers. The KentixONE software is already integrated via the integrated web server (HTTPS). Configuration is performed via web browser and, depending on the operating mode (operating mode: Main Device), locally on the AccessManager itself or on a central instance such as the SiteManager or AlarmManager (operating mode: Satellite Device).

The AccessManager radio is available in two radio technologies, namely BLE **2.4GHz** and **868MHz**. DoorLock components with different radio frequencies cannot be operated on one AccessManager. AccessManagers with different wireless technologies can be networked with each other.
When selecting the wireless components, make sure you use the correct wireless technology.
For new projects, we recommend **BLE 2.4GHz** as the wireless technology.

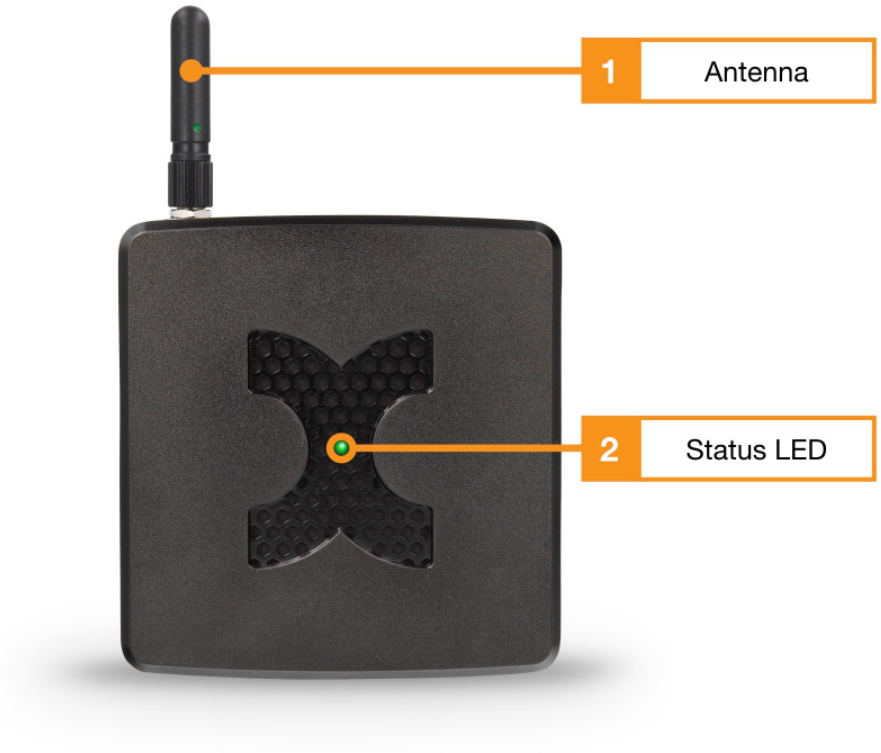
Safety instructions

Installation
Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.
No modifications of any kind may be made to Kentix GmbH products, with the exception of those described in the relevant instructions.
When installing Kentix devices, certain degrees of protection must be guaranteed.
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 devices or components caused by incorrect installation. Kentix accepts no liability for incorrectly programmed units.
Kentix accepts no liability for faults, material damage or other damage.
Use of the products, transport and storage
Protect the device from
moisture, dirt and damage during transportation, storage and operation.
Battery powered products
Do not use the 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 specialist personnel in accordance with the instructions.
Do not charge, short-circuit, open or heat batteries.
Observe the correct polarity when inserting the batteries.
The devices must always be operated with the batteries intended for the product.
When changing the batteries, always replace all batteries.

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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.

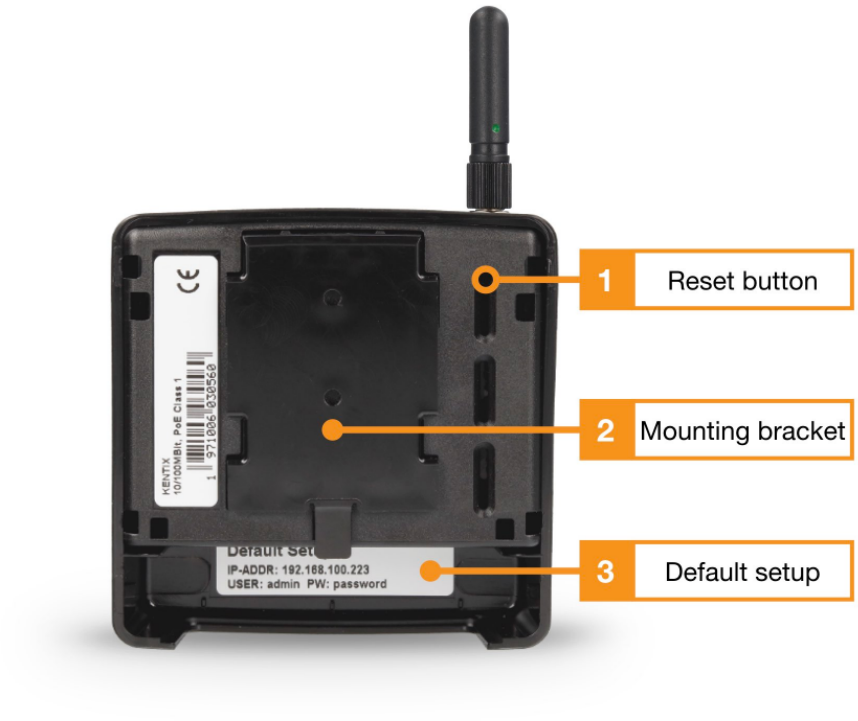
Connection and operating elements



AccessManager (RADIO) front view

1. Radio antenna (SMA screw antenna)
2. Status LED (GREEN: Run)

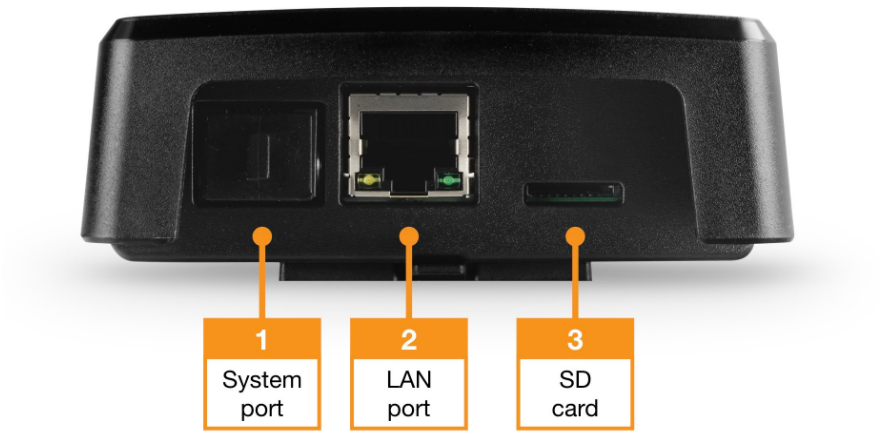
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AccessManager (RADIO) Rear view

1. Reset button(reset to factory settings)
2. Mounting bracket
3. Default Setup sticker (IP address, MAC address, access data)

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AccessManager (RADIO) View Connections

1. Kentix system port (type A)
2. Ethernet port with Power over Ethernet (100MBit, PoE Class 2)
3. MicroSD card slot

Connection of extensions at the system port

Additional system components such as leakage sensors, door contacts or external alarms from UPS or air conditioning units can be connected via the Kentix system port. The system port has 2 digital inputs and 2 digital outputs which are available via a RJ45 socket.

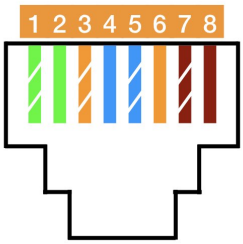
An extension module (ORDER CODE: KIO3) is required to connect external alarms. Above this, 2 potential-free contacts and 2 changeover relays can be wired.

A commercially available network patch cable (unshielded/shielded) with a length of up to 20 m can be used as the cable connection between the Kentix system port and the system component.

The Kentix system port is not a network port. Avoid connecting it to network ports, especially to PoE devices. This port is a Kentix-specific expansion port and can only be expanded using components designed for this purpose.
Pins 4, 5, and 8 are reserved for internal use only and must not be connected to any external devices.

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The assignment of the system port

System port (type: RJ45)	Assignment of the contacts
	1. Internal system voltage (GND) – Not for external **use*** 2. Output 1 (open collector, max. 100 mA) 3. Output 2 (open collector, max. 100 mA) 4. External voltage / BUS (depending on device type) 5. External Voltage / BUS (depending on device type) 6. Input 1 (Potential-free connection) 7. Input 2 (Potential-free connection) 8. Internal System Voltage (5/24 VDC) – Not for external **use*** *** These connections are intended for internal use only**

Kentix system port assignment

Factory settings

For initial configuration, use the IP address printed on the device or the address assigned via DHCP in a web browser (HTTPS). Please note the network settings of your connected PC.

The factory IP addresses at a glance:

SiteManager and AlarmManager	192.168.100.222
MultiSensor	192.168.100.223
AccessManager	192.168.100.224
PowerManager	192.168.100.225
SmartPDU	192.168.100.226
Leakage sensor	192.168.100.227

Factory IP addresses, subnet mask: 255.255.255.0

For devices with a firmware version lower than 8.6.0, the login credentials for the default administrator account are: admin / password
For devices with firmware version 8.6.0 or higher, the login credentials for the default administrator account are: admin/Password1!

The default IP addresses for the AccessManager Radio (KXP-16-B/W) and the AccessManager Wired (KXP-2-RS) are identical. During initial setup, be sure to adjust the IP addresses.

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Reset to factory settings

1. Restart the device (disconnect and reconnect the power supply).
2. The status LED lights up briefly and then goes out.
3. As soon as the status LED lights up green continuously, press and hold the reset button for 15 seconds until the device emits an acoustic feedback.
4. The device loads the factory settings and performs a restart.
5. After approx. 2 minutes, the device can be reached with the factory settings.

All existing settings and data will be irrevocably deleted!
We recommend regular system backups.

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”.

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