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

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).

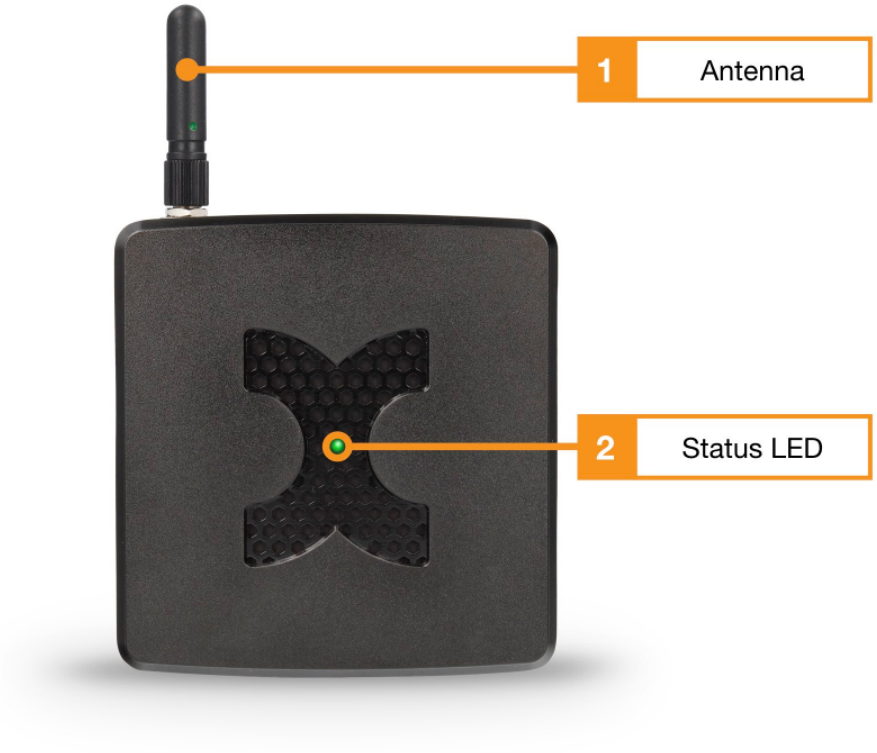
The AccessManager radio is available in two radio technologies, namely BLE **2.4GHz** and **868MHz**. DoorLock components with different radio frequencies cannot be operated on one AccessManager. AccessManagers with different radio technologies can be networked together.
When selecting radio components,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

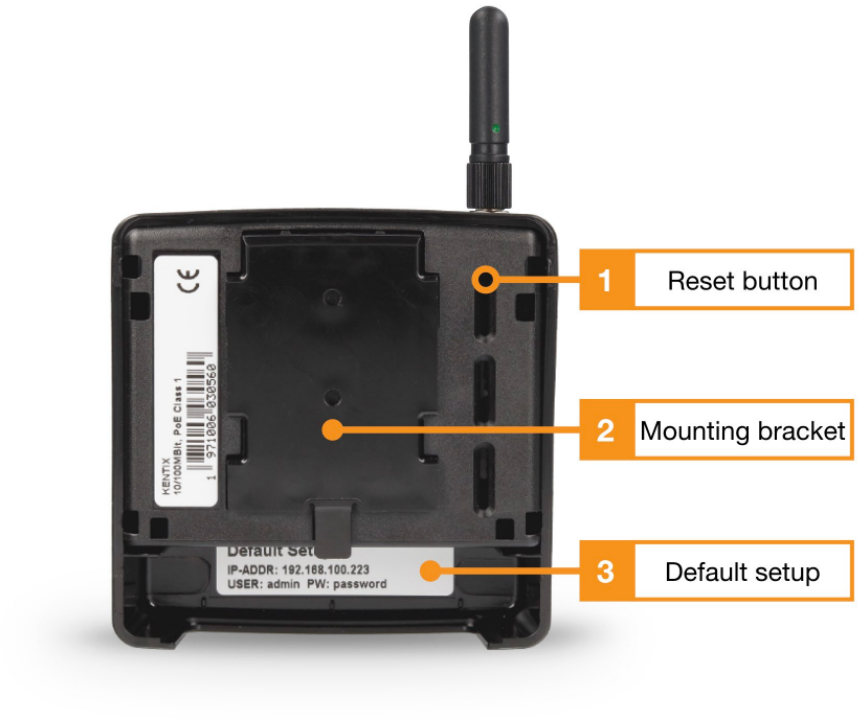
Keep batteries out of the reach of children.
Maintenance
Kentix devices must be checked for functionality as part of annual maintenance.
Disposal
Electrical appliances and batteries must be disposed of separately from household waste.

Connection and operating elements



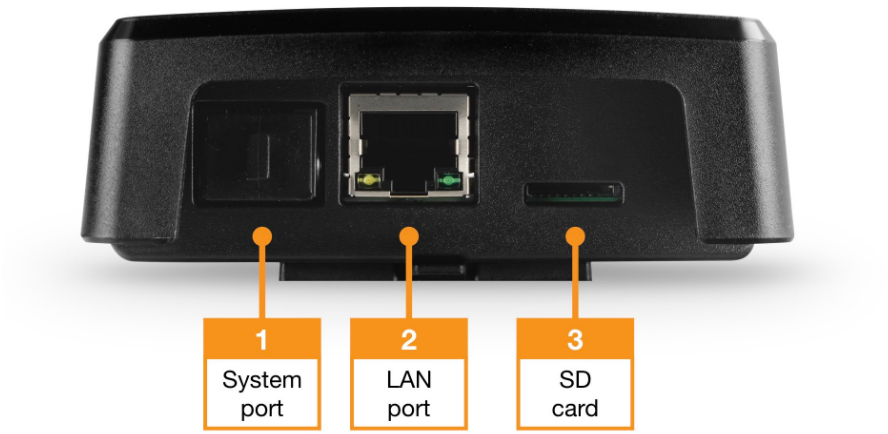
AccessManager (RADIO) front view

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



AccessManager (RADIO) Rear view

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



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 to network ports, especially PoE devices. The port is a Kentix specific expansion port and is only expandable with components designed for it.
Pins 4/5/8 are only enabled for internal use and must not be wired.

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. 100mA) 3. output 2 (open collector, max 100mA) 4. external voltage / BUS (depending on device type) 5. external voltage /BUS (depending on device type) 6. input 1 (potential-free circuit) 7. input 2 (potential-free circuit) 8. internal system voltage (5/24VDC) – not for external **use*** *** These connections are 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.x.x, the login data for the preset administrator account are: admin / password

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 backup of the system.

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”.