



## HK01x manual

Version 1.0 – July 2019

© 2015 xxter bv. All rights reserved.

More information can be found at [www.xxter.com](http://www.xxter.com)

# Contents

1. Connecting the device	3
2. Reset options and status LEDs	5
Technical specifications	6

## Welcome

With xxter you can extend an automated home or office in only a few steps and control it with a smartphone or tablet.

This manual describes the connections and LED indicators of the first generation xxter device, like the HK01E.

For more information about the working and configuration options of xxter an installation manual and a user manual is available.

Please refer to [www.xxter.com](http://www.xxter.com) for more information.

# 1. Connecting the device

The steps to connect the xxter device depend on the model that is used. For all models the UTP cable has to be connected to the (internal) network. xxter has to be able to connect to the Internet, to download the configuration and for future firmware updates.

## KNX direct

In case you are using an xxter model with a direct KNX-bus connection (HK01 of HKE01), then connect the bus cable to pin 2 (KNX min/black) and pin 3 (KNX plus/red), see image 6. First connect xxter to the KNX-bus and then connect xxter's power adaptor to the power socket.



Image 1: xxter rear panel

## KNX connection over IP

When using KNX over a KNXnet/IP module, please make sure the xxter unit and the KNXnet/IP module are both connected to the same internal network.

## Artnet DMX

For the use of DMX components, an ArtNet->DMX node is required. This node must also be connected to the same internal network as the xxter unit. A list of ArtNet->DMX nodes that are tested with xxter can be found on the website.

## Philips Hue

When using Philips Hue, make sure that the xxter unit and the Hue network module (bridge) are both connected to the same internal network.

## enOcean

In case you are using a xxter model with enOcean support (HE01, HCE01 or HKE01), then the enOcean antenna has to be connected to the serial port (RS232) on the front side of the device (see Image 7).

- 1) Make sure the power adaptor of xxter is not connected.
- 2) Connect the serial connector of the ANE01 to the serial port (RS232) of the xxter unit.
- 3) Connect the electrical splitter cable to the xxter unit.
- 4) Connect the power adaptor to the electrical splitter cable.

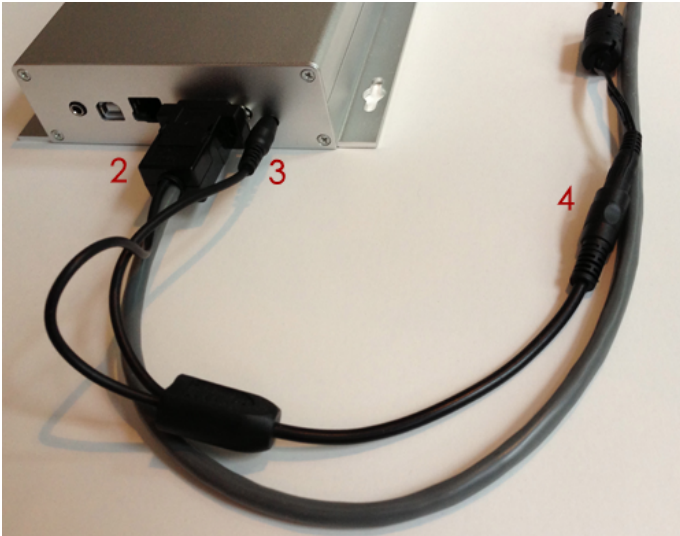


Image 2: enOcean connection schema

The enOcean ANE01 antenna is equipped with a repeater function.

The ANE01 repeater has three different settings:

- 1) No repetition (standard): both dip-switches to OFF (numbered side)
- 2) Repeat only original telegrams (level 1): set only dip-switch 1 to ON
- 3) Repeat both original and one time repeated telegrams: set both dip-switches to ON

Before a new repeater setting is active, it is required to shortly disconnect the ANE01 from the power source.

## 2. Reset options and status LEDs

In case of any problems, the xxter device can be reset in several different ways, see also image 11:

BUT1	Hold during boot	Reset to factory defaults
BUT1	Press shortly	Full restart
BUT1	Press long (longer then 3 sec.)	Reset to factory defaults
BUT2	Press shortly	Reset application (soft restart)

When the xxter device is connected to power, the system status can be seen using the LED indicators:

LED1	green slow flashing	Currently booting or shutting down
LED1	green continuous	Application started and ready for use
LED2	green slow flashing	Normal operation - OK
LED2	yellow slow flashing	No connection to KNX or enOcean
LED2	red quick flashing	LAN problem, no network
LED2	red / green intermittent	No Internet connection, only LAN connection*

\*) the Internet connection is only verified during boot and when the "Check Internet connection" button is pressed on the status page of the xxter device.

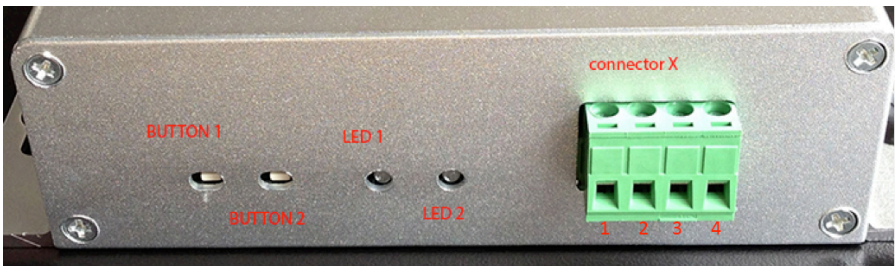


Image 3: xxter rear panel

## Technical specifications

Size (lxwxh): 180x152x38mm

Weight: 0,5 kg

Voltage: 5VDC

Power consumption: 300mA (avg.)

Cooling: passive

Accessories:

- Adapter 5VDC
- UTP cable
- enOcean antenna (only for models HE01, HCE01 en HKE01)
- Installation manual EN
- User manual EN