



Building Automation Software & Servers

# ComfortClick - Building Automation Software & Servers

## CHOOSE ONE OF OUR SERVERS

We offer four different servers: **Jigsaw KNX**, **Jigsaw Z-Wave**, **Grinder** and **Sledgehammer**. You can also get just the ComfortClick bOS License and use your own hardware as a central controlling unit.



## USE YOUR FAVORITE PLATFORM

You can use our **free bOS Client apps** with any mobile device – iPhone, iPad, Android or Windows. And you can install them on as many mobile devices as you want, no limitations, free every time.



## CONNECT ANY SYSTEM OR DEVICE

bOS supports: KNX, Z-Wave, Modbus, DSC, IP cameras, Amazon Alexa, Sonos, Kodi, Global Caché, IRTans, Philips Hue, SMA and IP intercom.



## DESIGN YOUR OWN AWESOME GUI

We give you **absolute freedom with the design** of your user interface. Choose your favorite colors, use your own icons, place room photos as backgrounds or building layout as a canvas for your buttons.



bOS Configurator

## What is ComfortClick bOS?

bOS is the first building operating system which enables smart building visualization, control and automation from a single app on your favorite mobile device.



## What is included in bOS license?

- **bOS Server** - connects to building devices, runs logical tasks and provides access for bOS Configurator and bOS Client apps.
- **bOS Configurator** - simple and intuitive tool for system configuration.
- **bOS Client** - Android, iOS and Windows apps for controlling and monitoring your building. bOS Client apps can be installed on limitless number of mobile devices.
- Drivers for: KNX, Z-Wave, Modbus, DSC alarm, IP video cameras, Amazon Alexa, Sonos, Kodi, Global Caché, IRTans, Philips Hue, SMA solar technologies, IP intercom.
- Unlimited number of end nodes (e.g. KNX data points).

## MONITOR & CONTROL ANY BUILDING

Use bOS for **any project** - residential or commercial (hotel, school, hospital, etc.).



Hotel



Apartment Building



Office



Home

## DESIGN ANY AUTOMATION TASK IN JUST MINUTES

bOS Configurator enables **the easiest system configuration** you'll ever see! Design complex automation tasks, logic, schedules and scenes in no time. The only limit is your imagination.



## USE bOS EXAMPLES LIBRARY

We have a **vast library of various preset bOS configurations**. Select your heating pump, AC, TV or almost any other device from our library and the configuration will be imported automatically.



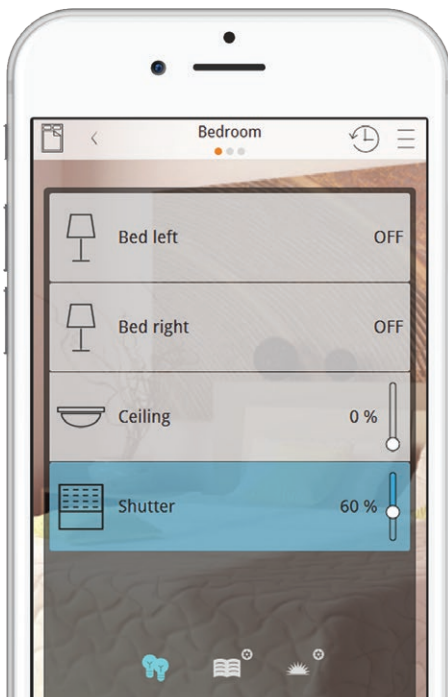
bOS Examples Library

## GET OUR FREE DEMO LICENSE

Download and install our free demo license and start working on your project today. The free demo license has **no time or project size limitation**.



Free Demo License





# Jigsaw KNX

Jigsaw KNX will be the **heart of your home automation system**. It will control anything from lights and shades to HVAC and alarm and enable you to access your home with your favorite mobile device. DIN rail casing provides simple and fast mounting.

## Size:

107 mm x 61 mm x 50 mm (WxHxD)

## CPU:

1,2 GHz quad-core ARM

## RAM:

1 GB

## Disk:

SD card 32 GB

## OS:

Linux

## Connectors

1 x KNX, 4 x USB, 1 x Ethernet port

## Power:

100-240V 50/60 Hz

## Power consumption:

approx. 2 W

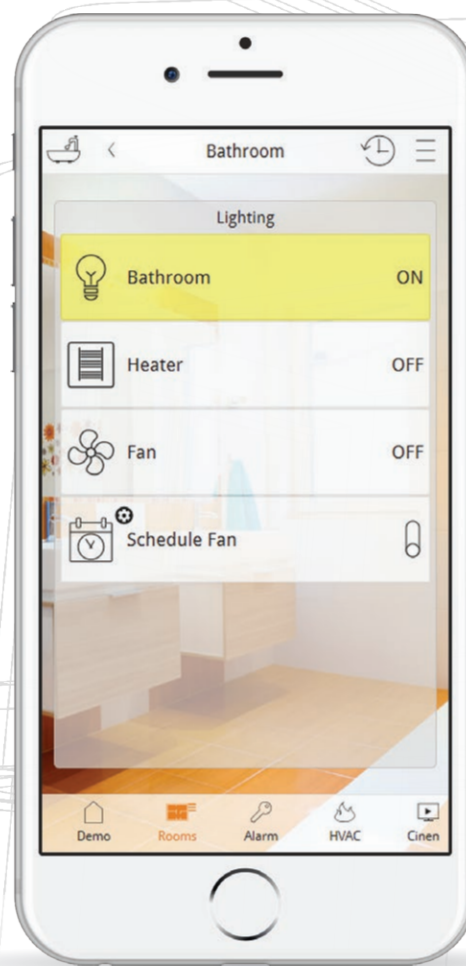
## USAGE EXAMPLE

Jigsaw KNX is the best solution for new buildings - **apartments** and **small to average residential houses**.

## SOFTWARE

Included bOS PRO License with 3 Users

Integrated  
**KNX**  
Interface



SONOS

DSC



# Jigsaw Z-Wave

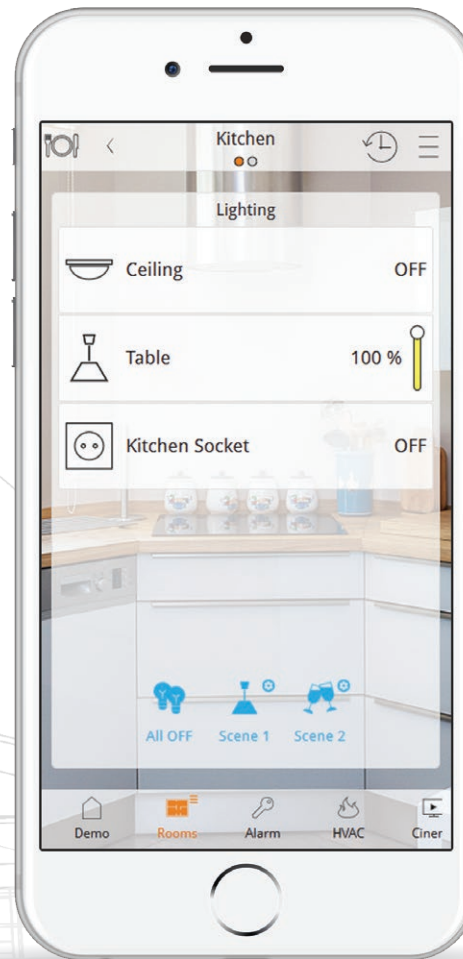
## SOFTWARE

Included bOS PRO License with 3 Users.

## USAGE EXAMPLE

Ideal for renovation projects and retrofitting.

Integrated  
**ZWAVE**  
Interface



Automate your home without tearing everything down. Simply select your range of wireless devices that we support (Z-Wave, Sonos, Philips Hue, Kodi, Global Caché, etc.) and upgrade your existing home into a smart home.

### Size:

140 x 140 x 28 mm (WxHxD)

### CPU:

1,2 GHz quad-core ARM

### RAM:

1 GB

### Disk:

SD card 32 GB

### OS:

Linux

### Gateways / Connectors

Z-Wave / 4 x USB, 1 x Ethernet port

### Power:

100-240V 50/60 Hz

### Power consumption:

approx. 2 W



# Grinder

Grinder is our most widely applicable smart building controller. It will smarten up your house or office while ensuring comfort, security and energy savings. Add your devices and personalize how your smart building works.

**Size:**  
116.6mm x 112mm x 51.5mm (WxHxD)

**CPU:**  
Intel Celeron N3050 dual-core, 2,16 GHz

**RAM:**  
4 GB

**Disk:**  
SSD 128 GB

**OS:**  
Windows 10 IoT

**Connectors:**  
4 x USB 3.0, 1 x HDMI\* 1.4a , 1 x HDB15 VGA, Gigabit Ethernet LAN, 1 x SDXC slot with UHS-I

**Power:**  
100-240V 50/60 Hz

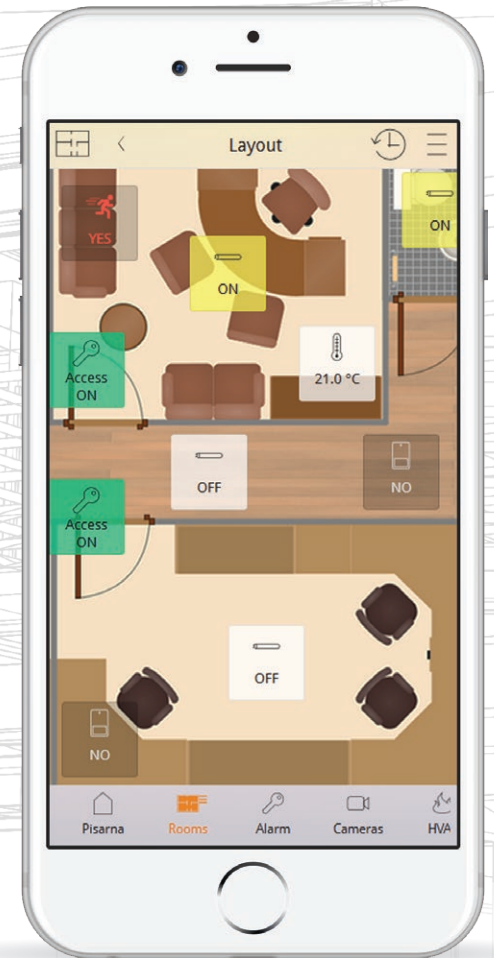
**Power consumption:**  
approx. 10 W

## SOFTWARE

Included bOS PRO License with 5 Users

## USAGE EXAMPLE

Grinder is the ideal fit for **larger residential houses** and **small offices**.



# Sledgehammer

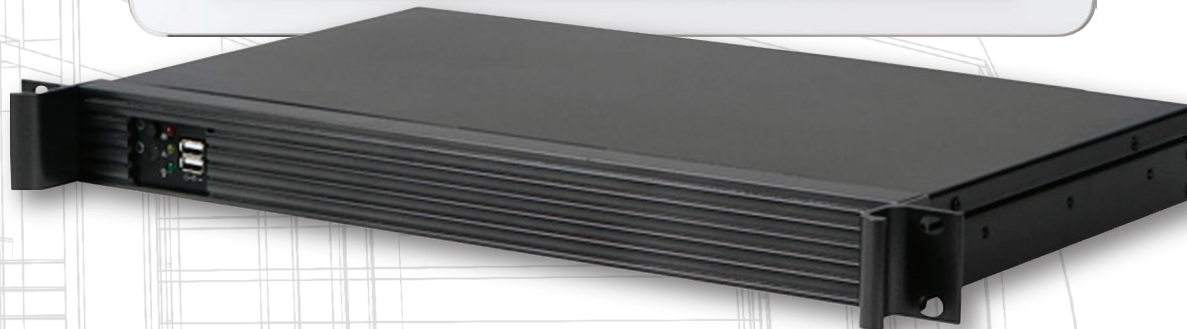
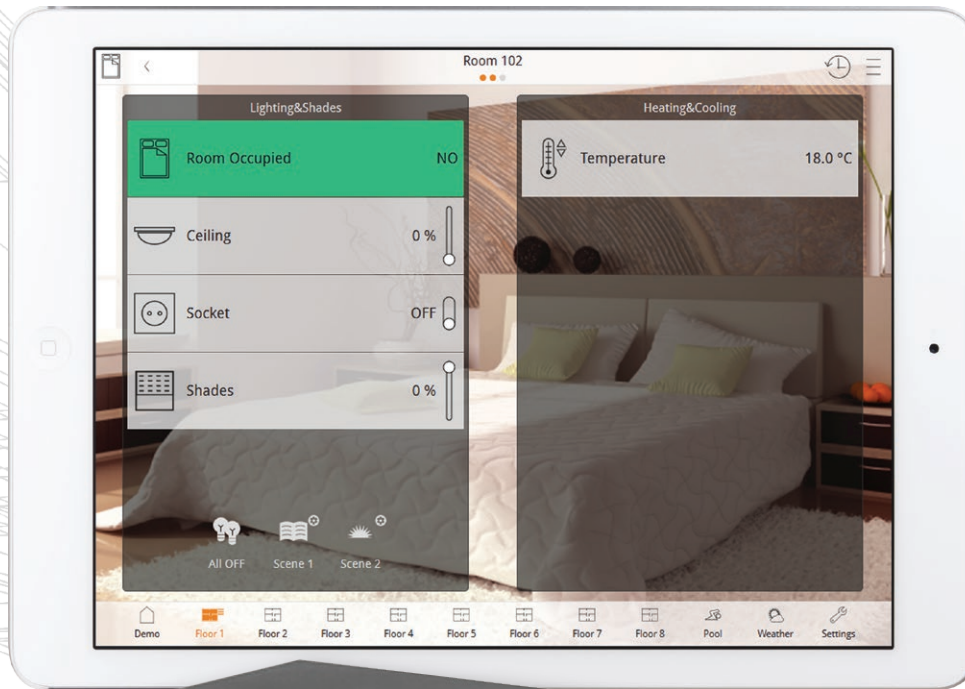
## USAGE EXAMPLE

Sledgehammer is intended for **commercial projects** - hotels, apartment buildings, hospitals, etc.

## SOFTWARE

Included bOS PRO License with 10 Users

Powerful, agile and smart, but still easy to handle. It's **perfect for BIG projects** – hotels, schools and hospitals. Sledgehammer was carefully designed to ensure complete system reliability and continuous operation especially in larger projects.



### Size:

1U, 482 x 45 x 254 mm (WxHxD)

### CPU:

Single Socket LGA1150, Intel Xeon E3-1200V3 processor family

### RAM:

8GB DDR3 PC1600 CL11 ECC unb. x8 Samsung Org.

### Disk:

Intel DC S3510 SSD 2,5" 120GB SATA 6GB/s 0,3 DWPD

### OS:

Windows 10 IoT

### Connectors

1x PS/2, 1x VGA, 2x RJ-45, 1x RJ-45 IPMI, 1x COM, 5x USB 2.0 ports (2x rear, 2x front, 1x Type-A internal), 2x USB 3.0 Ports

### Power:

100-240V 50/60 Hz

### Power consumption:

approx. 60 W



# bOS PRO License

Would you prefer to use your own hardware as a central controlling unit? No problem, you can get just the bOS PRO License from us and install it on **your own server**. You will still get all the benefits ComfortClick bOS offers.

## Supported Systems and Devices:

- KNX
- Z-Wave
- Modbus
- Amazon Alexa
- Sonos
- DSC alarm
- IP cameras
- TCP/IP devices
- IP Intercom
- Kodi
- Global Caché
- IRTans
- Philips Hue
- SMA solar technologies

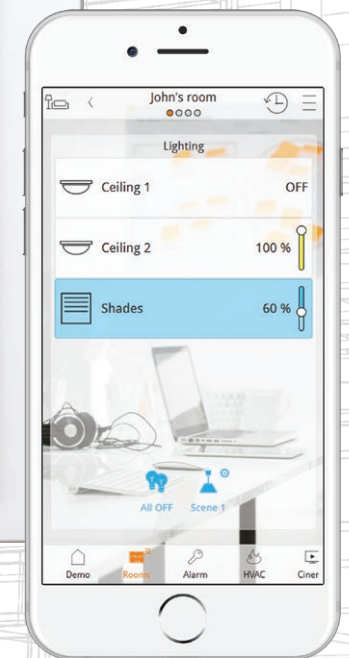
## Applications:

- bOS Server
- bOS Configurator
- bOS Client app for Windows
- bOS Client app for Android
- bOS Client app for iOS
- Web Interface

Users: 2

- No time limitations.
- No monthly fees.
- Unlimited project size.
- Unlimited number of devices.

Use bOS PRO License with your own hardware





bOS Client for Android included. You can also install your own Android apps.

Control your home automation system with style.



# Panel 10" or 24"

Control your home with a **stylish wall panel**, which comes in two sizes - **10"** and **24"**. ComfortClick wall panel has the frame aligned to the wall surface which gives the panel especially slick and modern look. It can also serve as internal intercom unit.

## Frame Size:

**10"**: 305 x 196 x 2mm (WxHxD)

**24"**: 618 x 390 x 2mm (WxHxD)

## Frame color:

white, black

## Flush mounted box size:

**10"**: 290 x 180 x 50 mm (WxHxD)

**24"**: 580 x 370 x 100 mm (WxHxD)

## Display:

**10"**: 10,1" LED Backlight WXGA 1280x800

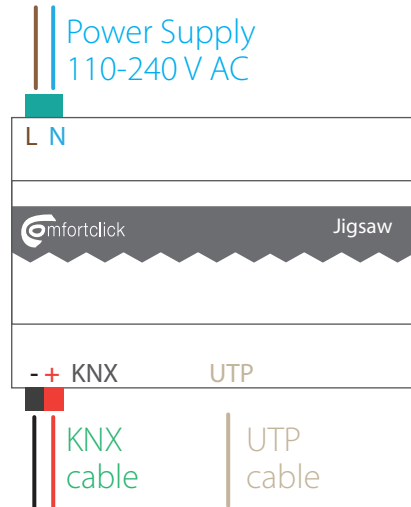
**24"**: 23,6" TN LED 1920x1080

## OS:

Android

# Wiring Diagrams

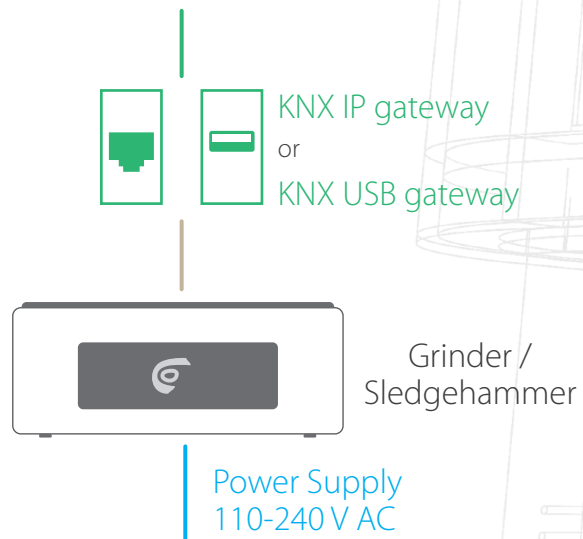
## JIGSAW KNX



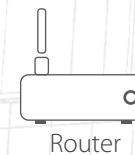
## JIGSAW Z-Wave



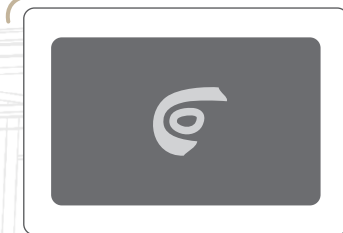
## GRINDER/SLEDGEHAMMER



## WALL PANEL



ComfortClick Server  
(Jigsaw, Grinder, etc.)



Power Supply  
110-240 V AC

Wall Panel 10"/24" with  
bOS Client for Android



# Design your custom GUI

ComfortClick makes the process of designing the user interface simple, intuitive and fun. Play around with different colors, icons, shapes and sizes. Take a photo of your living room and use it as a canvas to position your buttons. The result is an amazing GUI which enables intuitive control of any building.





# Get your ComfortClick bOS for **free**... ...and control all devices in any building

- No time limitation
- No project size limitation
- No monthly fees



omfortclick®



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