

Mains BT Switch User Guide

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Product code	I515030Hv1.1
Manufacturer	Intelisoft, Aston Fields, Bromsgrove, Worcestershire, B60 3EG, United Kingdom
Website	www.intelisoft-products.co.uk

Product Overview

Using an Android phone, the Smart 2 Channel Bluetooth Controlled Switch provides reliable remote switching of mains power for residential, commercial and agricultural applications. With two independent relay outputs, channel 1 fixed as a Mains switch and channel 2 configurable as either a standard switch or a pulsed relay for gate or roller-shutter automation, all housed in a durable IP66-rated ABS enclosure.

The Mains Switch offers a quick and practical solution for Mains and signal switching in situations where running new cabling is difficult, costly or time-consuming.

Key Benefits

- Supports remote mains operation via the Bluetooth App for Android devices.
- Provides two independent relay outputs for flexible control.
- Includes mains double-pole switching for improved safety.
- Supports a changeable Bluetooth PIN for enhanced security.
- Reduces the need for complex additional wiring especially over long runs.
- Long range Bluetooth, up-to 100 m.

Channel Functions

- **Channel 1:** Two-pole mains output for secure switching.
- **Channel 2:** Voltage-free contacts, configurable as an on/off switch or pulse output for equipment requiring a signal pulse, such as electric gates, roller shutters.

Technical Specifications

Parameter	Value
Supply voltage	230 V AC ±10%, 50Hz
Internal Power Step Down	12v DC / 3.3v DC Regulated
Integrated Wireless	2.4 GHz (Bluetooth)
Maximum load (Amps/Kw)	6 A :1.38 Kw
Maximum Fuse type and rating	6 A ceramic type M
Operating temperature range	-10°C to 30°C
Maximum operating temperature	40°C
IP rating	IP66
Enclosure material	ABS
Bluetooth class	Class 1, up to 100 m range
Dimensions	125 x 125 x 60 mm
Number of pairable devices	8
Minimum Android OS	Android 7.0, API Level 24

Safety Information

Important Installation Notice

- This product operates from a 230 V AC mains supply and must be installed by a competent and suitably qualified person.
- All electrical installation work must be carried out in accordance with the current edition of BS 7671 – Requirements for Electrical Installations (IET Wiring Regulations, 18th Edition or later), together with all applicable local building regulations and electrical safety requirements.
- Always isolate the mains power supply before installation, maintenance, or servicing. Failure to install this product correctly may result in damage to the equipment, electric shock, fire, or personal injury.
- This product is intended for its designed purpose only and must not be modified or used outside its specified operating parameters.

Read all instructions thoroughly before installation.

- Connect the supply via a switched fused spur complying with BS1363. Confirm that the total load does not exceed the rating of the cable, fuse, or circuit breaker.
- Replace fuse spur fuse with BS1362 Fuse rating 5 or 10 amps max depending on cable used. Do not use the standard 13 A fuse supplied.
- The product must be always earthed.
- Ensure the enclosure is undamaged and securely mounted on a flat surface to maintain its IP rating.
- Do not exceed the maximum operating temperature of 40°C. Avoid direct sunlight, water ingress, or excessive dust.
- Use insulated ferrules for all wiring connections.
- Only use IP68-rated stuffing glands suitable for the cable type used and mounted at the bottom of the enclosure to prevent water ingress.
- Only replace the internal fuse with ceramic 5x20mm type M with a maximum rating of 6 amps depending on cable size used.
- Ensure all wiring is of adequate size and rating for the intended load and complies with BS 7671.
- **Caution:** Failure to follow these instructions may result in injury, property damage, and invalidation of the guarantee.

Getting Started



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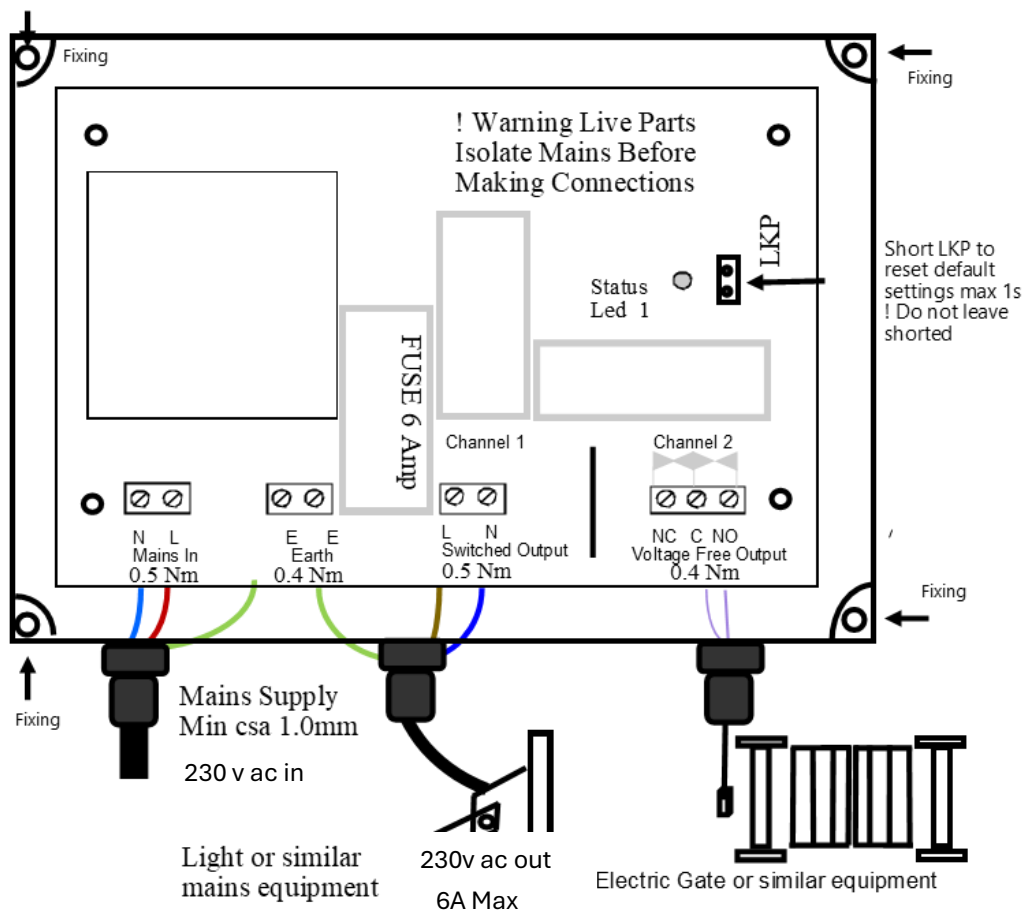
Downloading the App

1. Open Google Play Store or use the above QR code to directly access the app on your Android device.
2. Search for "Bluetooth mains switch."
3. Select the official app by Intelismart and install it.
4. Open the app and grant permission to access nearby devices.

Note: The app requires Android OS 7.0 (API Level 24) or higher. If unavailable, your device may not be supported.

Installation Instructions

- **Warning:** Live parts. Isolate mains before making any connections.
- Use only the provided fixing holes and appropriate fixings.
- Wiring connections:
 - **L/N mains input and L/N output terminals:** 0.75 mm²–1.0 mm² flexible cable, torque 0.5 Nm
 - **Earth terminals:** 0.75 mm²–1.0 mm², torque 0.4 Nm
 - **Voltage-free terminals:** 0.4 mm²–1.0 mm², torque 0.4 Nm
 - **Wire strip length 6mm**
 - **All connections must use ferrules suitable for cable used.**
- Ensure correct conductor size and torque settings.



First Time Power up & Bluetooth Pairing (Android Devices Only)

1. Ensure the hardware is installed and powered on.
2. Momentarily short out LKP pins with the supplied jumper. Until the led flashes twice then immediately remove the jumper link and park on one side of the header pins.
3. The LED will turn on after approximately 5 seconds for 5 seconds.
4. You have now successfully reset the module to the default settings.
5. On your Android device, go to the Bluetooth menu search and select "BTMainsSwitch."
6. When prompted Enter the default pairing PIN: **1234**.
7. The PIN can be changed For security, when using the app.

For further assistance, refer to the app's Help section or visit www.intelisoftware.co.uk.

Using the App

1. **Open the Bluetooth Mains Switch App** on your Android phone.
2. When you are within range of the Mains Bluetooth Switch, **press the Connect button**.
3. Once connected, the *Connect* button will **change colour and display "Connected"**. Your phone is now able to send commands and receive status updates.
4. The **Channel 1** and **Channel 2** buttons will show the **current state** of each relay.
5. If both channels are off, **pressing either button** will switch that channel **on** or **pulse it**, depending on how the App has been configured. The button will change from **yellow to green** and display **"Channel 1 On"** (or "Channel 2 On or pulsed") depending on which channel you activated.

Resetting via the App

1. Connect the app to the switch and wait for the "Connected" button.
2. Select "Unpair and Reset" from the dropdown menu.
3. The app will disconnect. Press "Connect" to re-pair using the default PIN (**1234**)- or use the phones Bluetooth menu.

The help file accessed from the App's menu provides full operating instructions.



UK MANUFACTURER & TRACEABILITY DETAILS

Manufacturer Name: [Intelisoft]

Postal Address: [84 Stoke Road. Aston Fields. Bromsgrove
B60 3EG] United Kingdom

Product Model: [Mains BT Switch Pt no I515030Hv1.1]

Support Email: [john.aldridge@intelisoft-products.co.uk]

Website: [www.intelisoft-products.co.uk]

ENVIRONMENTAL DISPOSAL (WEEE)

This symbol indicates that this product must not be disposed of with household waste. It is your responsibility to dispose of your waste electronic equipment by handing it over to a designated collection point for recycling. Disposing of this equipment correctly helps conserve natural resources and prevents potential negative consequences for human health and the environment.

ELECTRICAL SAFETY & INSTALLATION WARNINGS

- **RISK OF ELECTRIC SHOCK:** This device operates using 230V AC mains voltage. Always isolate the mains power supply before installation, wiring, or servicing.
- This product must be installed and connected by a qualified person in accordance with current UK wiring regulations (BS 7671).
- Ensure the external 230V AC input is protected by an appropriately rated fuse or circuit breaker.
- Do not expose this device to moisture, water, or high-humidity environments unless installed within a suitably rated weatherproof enclosure.
- If the outer enclosure, cable, or internal transformer appears damaged, isolate the power immediately and cease using the device.



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Disclaimer

The information contained in this manual relates to the Intelisoft Mains Bluetooth Switch and is provided in good faith. While Intelisoft believes the information to be accurate at the time of publication, no warranty, guarantee, or representation—express or implied—is made regarding its correctness, completeness, or suitability for any particular purpose. Intelisoft accepts no responsibility for any errors or omissions contained herein.

Product Modifications Intelisoft and its authorised agents reserve the right to modify, improve, or update the Mains Bluetooth Switch, its firmware, hardware, or associated documentation at any time and without prior notice. Such changes shall not obligate Intelisoft to provide updates or modifications to previously supplied products.

Installation Requirements Installation, wiring, and commissioning of this product must be carried out solely by a qualified professional in accordance with BS 7671 and all applicable local regulations. The installer is responsible for ensuring that the installation environment, wiring practices, and protective devices are appropriate for the intended use.

RCD Protection & Certification Requirements The Mains Bluetooth Switch must be installed on a circuit protected by a Type A RCD with a rated residual operating current not exceeding 30 mA, in accordance with BS 7671. The installer is responsible for verifying that suitable Type A RCD protection is present, correctly rated, and functioning prior to energising the circuit. Where applicable, installation of this product must be documented using a Minor Electrical Installation Works Certificate or equivalent certification as required under BS 7671. The installer is solely responsible for ensuring that all testing, verification, and certification procedures have been completed and retained as part of the installation record.

Limitations of Use The Mains Bluetooth Switch is not designed or authorised for use in life-support systems, critical safety applications, or any scenario in which product failure could result in personal injury, death, or significant property damage. The user and installer bear full responsibility for ensuring the product is not deployed in such applications unless explicit written approval has been granted by Intelisoft.

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