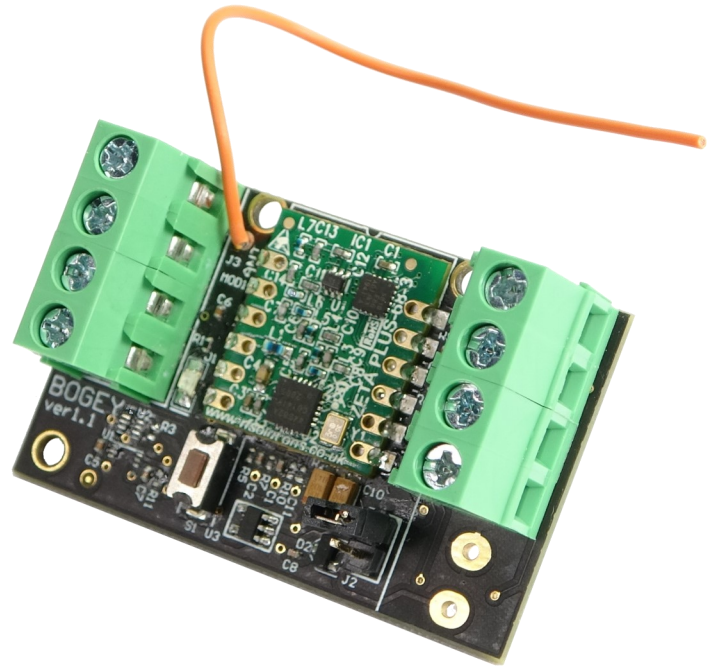


Turns any switch into a remote control!

Features

- General Purpose RF Transmitter
- 4 x Simple Switch Inputs
- Operating Range:
 - 433MHz version 200M (+10dBm)
 - 868/918MHz version 1KM (+20dBm)
- Momentary or Latch Switch Input
- Ultra low power Standby Mode
- LED TX Indication
- Available with either
 - Integral CR2032 Battery, or
 - 4-24Vdc External supply
- Compact - 49mm x 31mm



Compatible with:

- RioT Remote Control
- ELITE Series
- TRAP Series
- HORNET-PRO Series
- MAINSLINK Series
- 725 Series

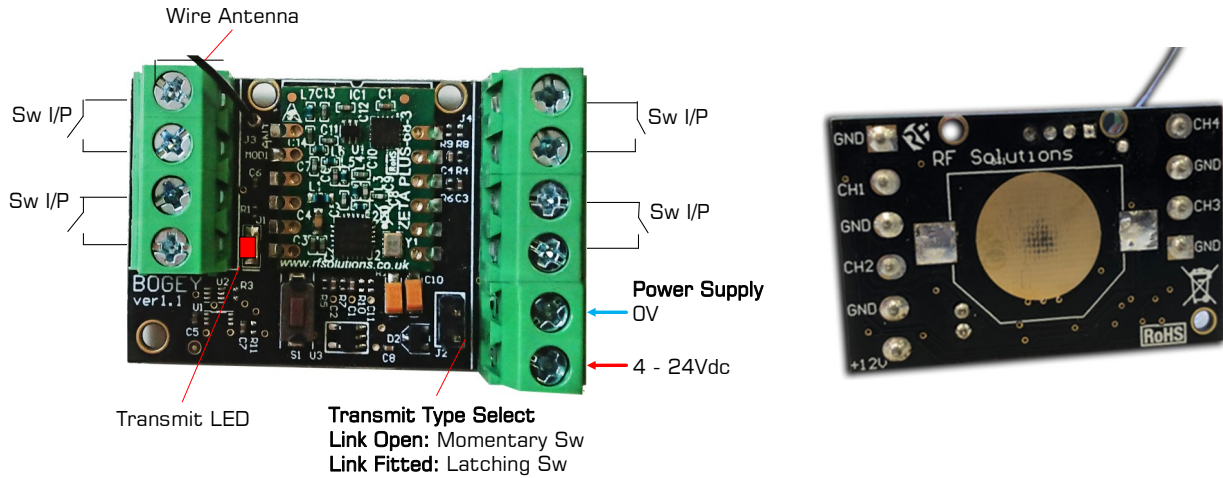
Applications:

- Remote Control
- Remote Networking
- Remote Switching
- Remote Traffic Lights
- Door bells / Buzzers
- Push buttons

The BOGEYBOARD is an innovative product which enables any Switch to be a remote RF transmitter. BOGEYBOARD comes in two versions a self contained unit with an integral CR2032 Coin cell battery, or with the 'R' (Regulated) version which can be powered from any 4-24Vdc supply.

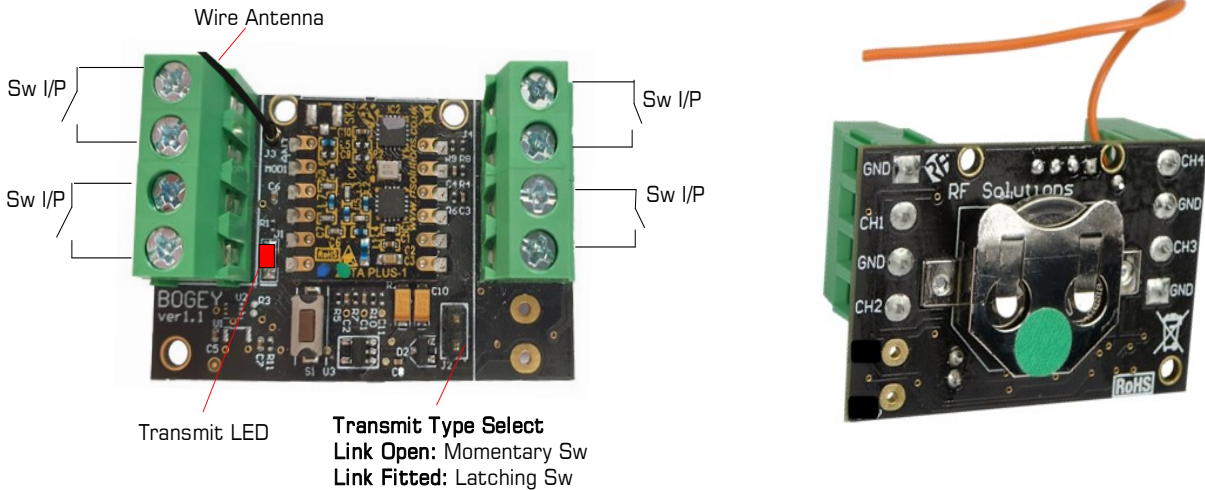
Simply connect up to 4 x no-volt switches to operate.

BOGEYBOARD-R8T4 external supply 4-24Vdc



Part Number	Description
BOGEYBOARD-8T4	868MHz transmitter with internal Battery +20dBm

BOGEYBOARD-8T4 with onboard Coin Cell Battery



Battery Life Expectancy Calculation for CR2032

CR2032 provides 220MAH of capacity which provides ~300K Transmissions

At 10 transmissions per day equates to 84 years

At 100 transmissions per day equates to 8years! (The CR2032 shelf life is about 10yrs)

Part Numbers	Description
BOGEYBOARD-R4T4	433MHz transmitter +10dBm 4-24Vdc
BOGEYBOARD-R8T4	868MHz transmitter +20dBm 4-24Vdc
BOGEYBOARD-R9T4	918MHz transmitter +20dBm 4-24Vdc

Operation

The **BOGEYBOARD** will remain in a “Deep Sleep” mode at all times when no inputs are active.

When any of the No-Volt inputs change state, (Closes or Opens) **BOGEYBOARD** will wake up and Transmit an RF signal (within 22mSecs), four times in succession. The LED Flash indicates RF Transmission

If the No-volt switch input is left closed **BOGEYBOARD** will return to “Sleep mode”, if the No-volt switch input is left open then **BOGEYBOARD** will return to Deep Sleep mode

Transmit Type select:

Latching Switch Operation (Jumper Link Open):

BOGEYBOARD transmits a brief RF signal only when the input is activated or relaxed (State Change). Using this mode only consumes Transmit power when switch changes state.

Momentary Switch Operation (Jumper Link Connected):

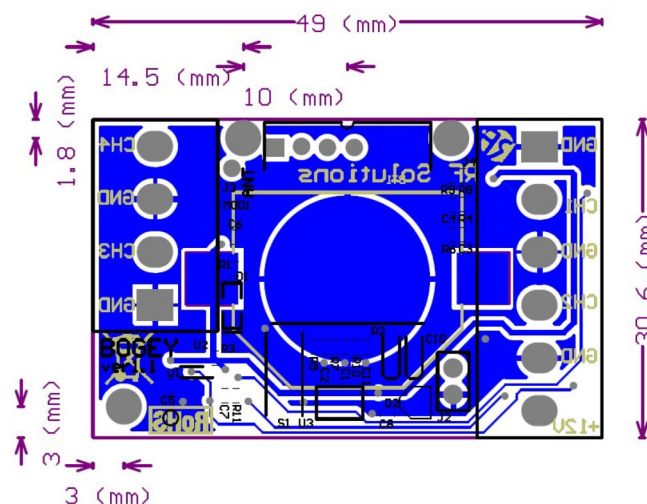
BOGEYBOARD will continuously send an RF signal for as long as the switch input is activated. Using this mode consumes Transmit power for as long as the switch is active.

Technical Specifications:

Electrical Characteristics	Min	Typical	Max	Units
Internal Supply Voltage (CR2032)	1.8	3	3.3	Vdc
External Supply Voltage*	4.5		24	Vdc
Antenna Output Lead Impedance		50		Ohms
Time from Input Active to Receiver Output Active		25		ms
Supply Current				
Deep Sleep: all inputs open		0.5		uA
Transmitting RF Signal		85	110	mA
Sleep: input Closed but after RF Transmission*			20	uA
Transmit Power				
433MHz Version		+10		dBm
868 & 918MHz Version		+20		dBm
RF Transmit Packet Time		22		mSecs

Operating temperature: 0 - 55°C, Storage Temperature: -10 - 70°C

Mechanical Dimensions



Simplified Declaration of Conformity (RED)

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DO NOT

Discard with normal waste, please recycle.

ROHS Directive 2011/65/EU and amendment 2015/863/EU

Specifies certain limits for hazardous substances.

WEEE Directive 2012/19/EU

Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfils its WEEE obligations by membership of an approved compliance scheme, environment agency registration number: WEE/JB0104WV.



Waste Batteries and Accumulators Directive 2006/66/EC

Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point.

RF Solutions battery producer number BPRN00060.

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