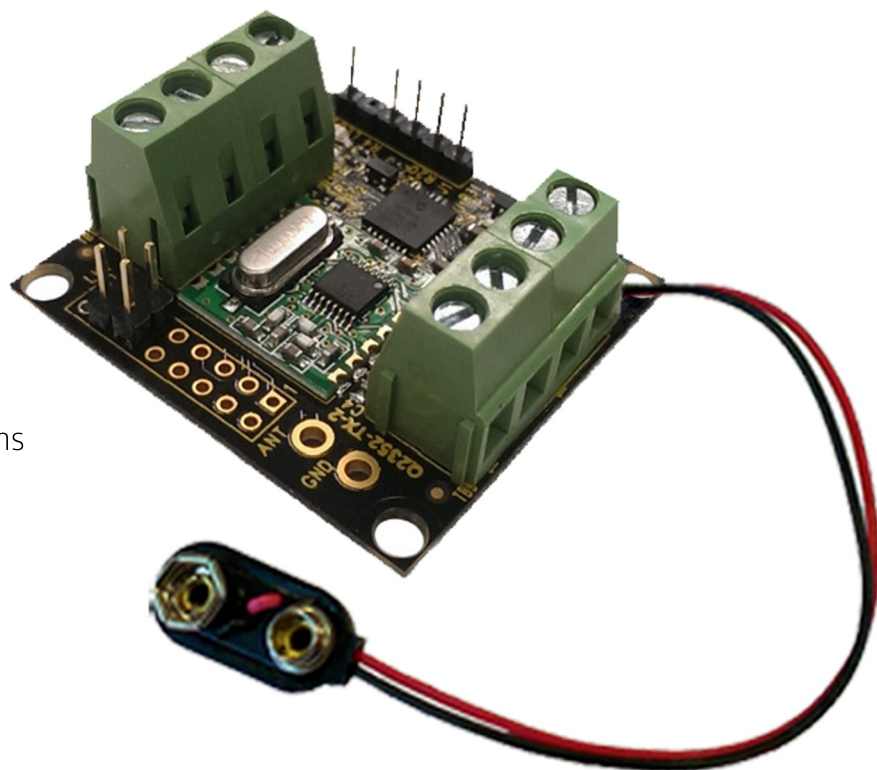## Turns any switch into a remote control!

Features

- Simple to use

- Range up to 100m

- 4 digital inputs

- Ultra low power

- Versatile

- Momentary and Latch Transmit options

- Compact - 38mm x 42mm

Applications

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

Operates with:
- BRAVO-T868
- ELITE Series
- TRAP Series
- HORNET-PRO Series
- MAINSLINK Series
- 725 Series

Description

The BOGEYBOARD is an innovative product which allows anybody to make their own remote transmitter and wireless enable an existing switch.

With 4 close contact inputs to use and being only 38mm x 42mm the BOGEYBOARD is small and powerful. The tiny board is easily capable of achieving 100m range in open line-of-sight conditions.

Ordering Information

Part Number	Description
BOGEYBOARD-868	Turns any 868MHz switch into a remote control

FM76316

BOGEYBOARD-868

Functional overview

BOGEYBOARD is supplied with a small wire antenna using this it is possible to achieve up to 150m range.
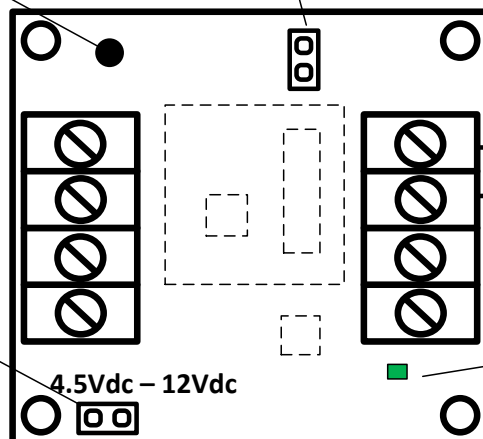NOTE: An antenna ground point is also provided for those wishing to change the antenna*

*Whilst BOGEYBOARD is supplied with a battery connector for use with a 9V PP3 battery, it is designed to operate using any voltage may be applied between 4.5Vdc and 12Vdc

**Transmit type select -
Closed:** Latching switch
Open: – Momentary switch

BOGEYBOARD has four inputs. Each requires a volt free switch in order to operate.
TIP: Minimise the length of wires between the board and your switch

4.5Vdc – 12Vdc

LEDs:
Green – Transmit

Operational Characteristics

The BOGEYBOARD is very simple to connect and use. Wire a switch to any one or many of the inputs and close the contact send a signal. As default the BOGEY-BOARD is designed for use with momentary buttons - to send a signal continuously while a button is pressed. As such it will replicate a handheld transmitter.

Transmit type select:
Latching button operation:
The BOGEYBOARD can be configured to work with a latching push button, where by it will send a signal only each time the input changes its status - it sends three packets when a switch is closed and three more when it is opened.

Momentary button operation:
The BOGEYBOARD can operate with momentary push switches. In this mode it will send data continuously while an button is closed over its input.
LEDs
Green LED: Flashes as each transmission is sent
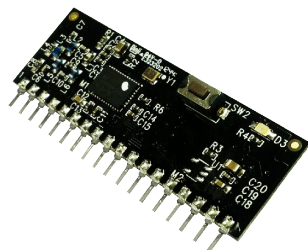RED LED: Shows a failed transmission in request acknowledge mode.

*Soldering to or otherwise modifying the BOGEYBOARD will invalidate the warranty.

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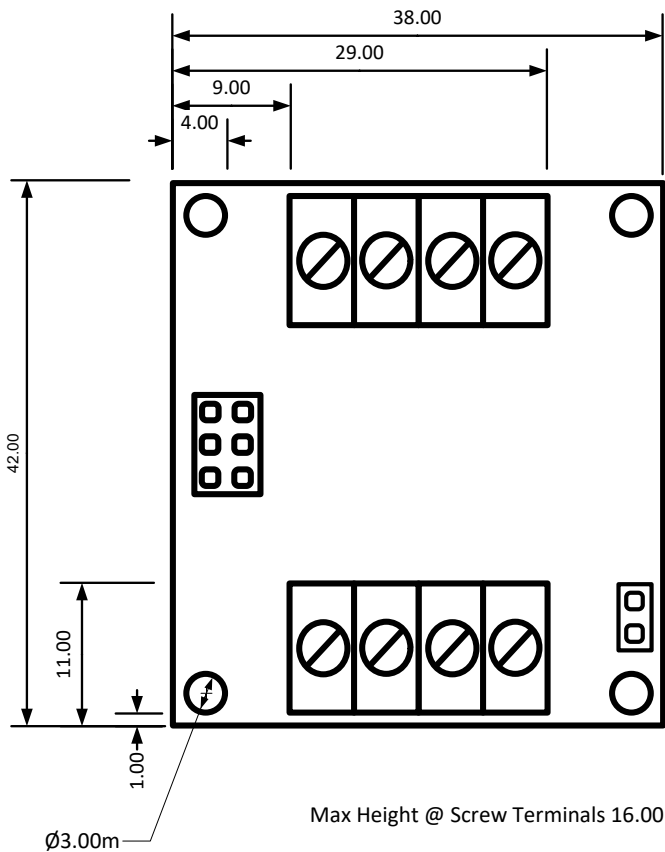
BOGEYBOARD-868

Compatible receivers

The BOGEYBOARD is a versatile remote control and as such is compatible with nearly all RF Solutions 868MHz receivers.

Receiver Part Number	Form Factor	Expected Range	Outputs
ELITE-RX*	Boxed IP rated	100m	4 230Vac outputs
ELITE-RXL*	Boxed IP rated	100m	4 changeover relays
BRAVO-T868	Intelligent radio module	100m	8 TTL level

Mechanical Drawing:

Max Height @ Screw Terminals 16.00

BOGEYBOARD-868

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

Electrical Characteristics	Min	Typical	Max	Units
Supply Voltage: 4.5V-12V Supply	4.5	9	12	Vdc
Antenna Output Lead Impedance		50		Ohms
Minimum input activation time to trigger transmission		50		ms
868MHz Version				
Supply Current: Quiescent	4	6	8	uA
Supply Current: Transmitting Data	18	22	26	mA

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Discard with normal waste, please recycle.

ROHS Directive 2011/65EU 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.

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