

## Turns any switch into a remote control!

### Features

- Simple to use
- Range up to 100m
- 4 digital inputs
- Ultra low power
- Versatile
- Compact - 38mm x 42mm

### Applications

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



### Operates with

- RDF1
- HORNET-RX
- 200 series - DIN RAIL

### 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.

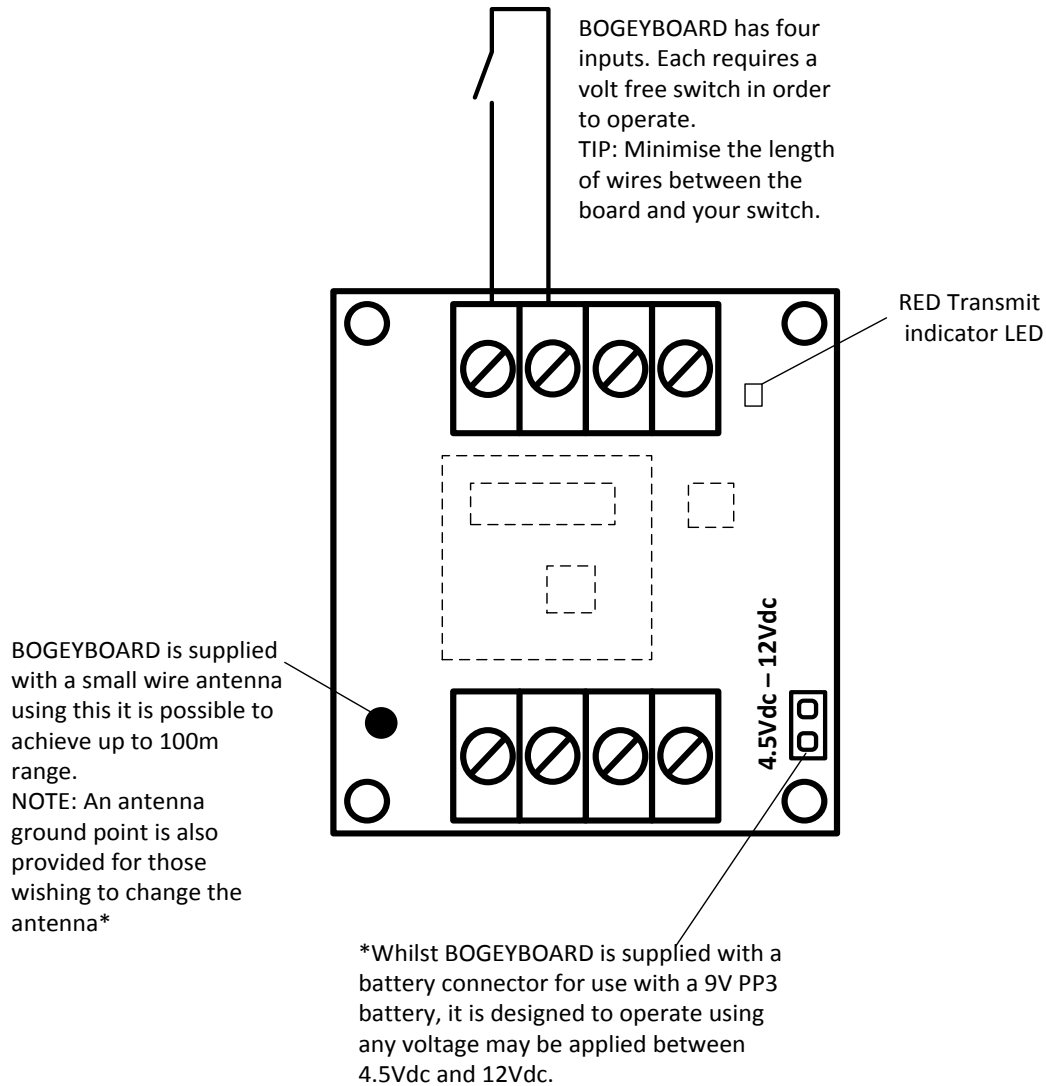
### Ordering Information

Part Number	Description
BOGEYBOARD-433	Turns any 433MHz switch into a remote control

# BOGEYBOARD-433



## Functional overview:



## Operational Characteristics

The BOGEYBOARD is very simple to connect and use. Simply wire a switch to any one or many of the inputs and close the contact send a signal.

### IMPORTANT NOTE:

As default the BOGEYBOARD is designed for use with momentary push buttons - to send a signal continuously while a button is pressed, and as such it will replicate a handheld transmitter. DO NOT use latching type switches which will cause it to transmit continuously and may block other signals.

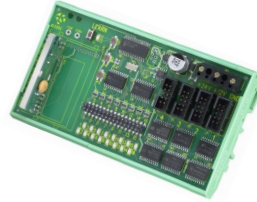
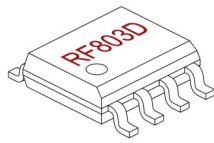
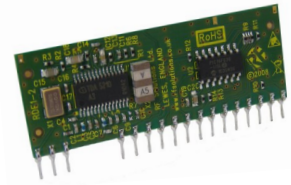
\*Soldering to or otherwise modifying the BOGEY-BOARD will invalidate the warranty.

# BOGEYBOARD-433



## Compatible receivers:

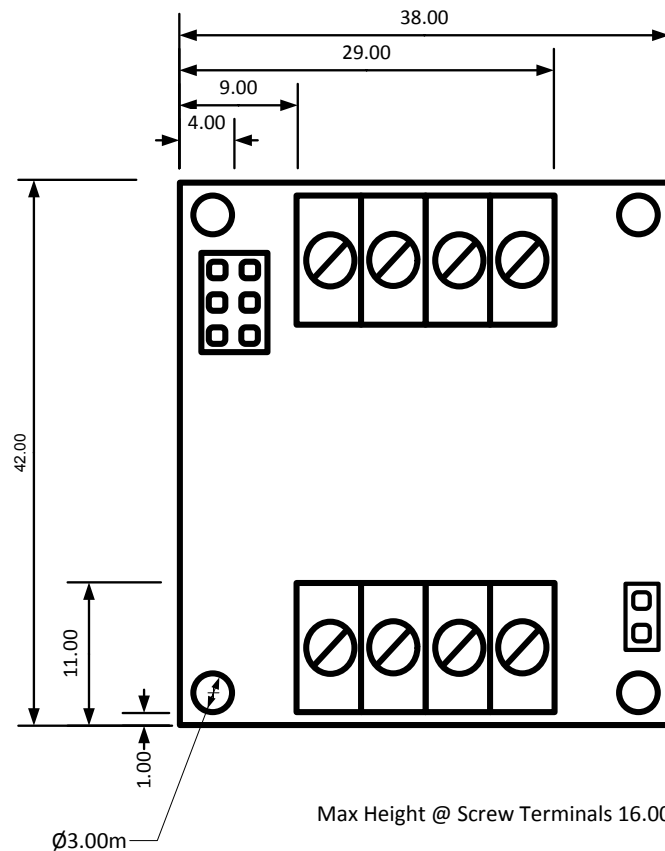
The BOGEYBOARD is a versatile remote control and as such is compatible with nearly all RF Solutions 433MHz receivers.



## Ordering Information

Receiver Part Number	Form Factor	Expected Range	Outputs
HORNET-RX	Boxed IP rated	100m	4 Relays
RDF1	Intelligent radio module	100m	4 LVTTTL level
210-433F	DIN rail receiver	100m	Up to 16 -(requires relay board)
RF803	Decoder IC	Dependent on receiver module	3 LVTTTL level outputs

## Mechanical Drawing:



# BOGEYBOARD-433



## 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
<b>433MHz Version</b>				
Supply Current: Quiescent	4uA	6uA	8uA	uA
Supply Current: Transmitting Data	18	22	26	mA

## RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:

### DO NOT

Discard with normal waste, please recycle.



### ROHS Directive 2002/95/EC

Specifies certain limits for hazardous substances.



### WEEE Directive 2002/96/EC

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.

### 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.

### Environment Agency producer registration number: WEE/JB0104WV.

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