FOBBER Series - FM Key Fob

- FM (FSK) Key fob
- Sleek and compact design
- Range up to 150metres
- 1 - 8 Switch variants
- 433/868/918 MHz Versions
- Waterproof IP68 Rated
- CR2032 battery
- High Quality UK manufacture
- Can easily be Customised
- CE Compliant & FCC Certified

Description

FOBBER is a versatile, multi -function, FM key fob Radio Transmitter, capable of up to 150 metres range with up one to eight switches which can be in several positions.

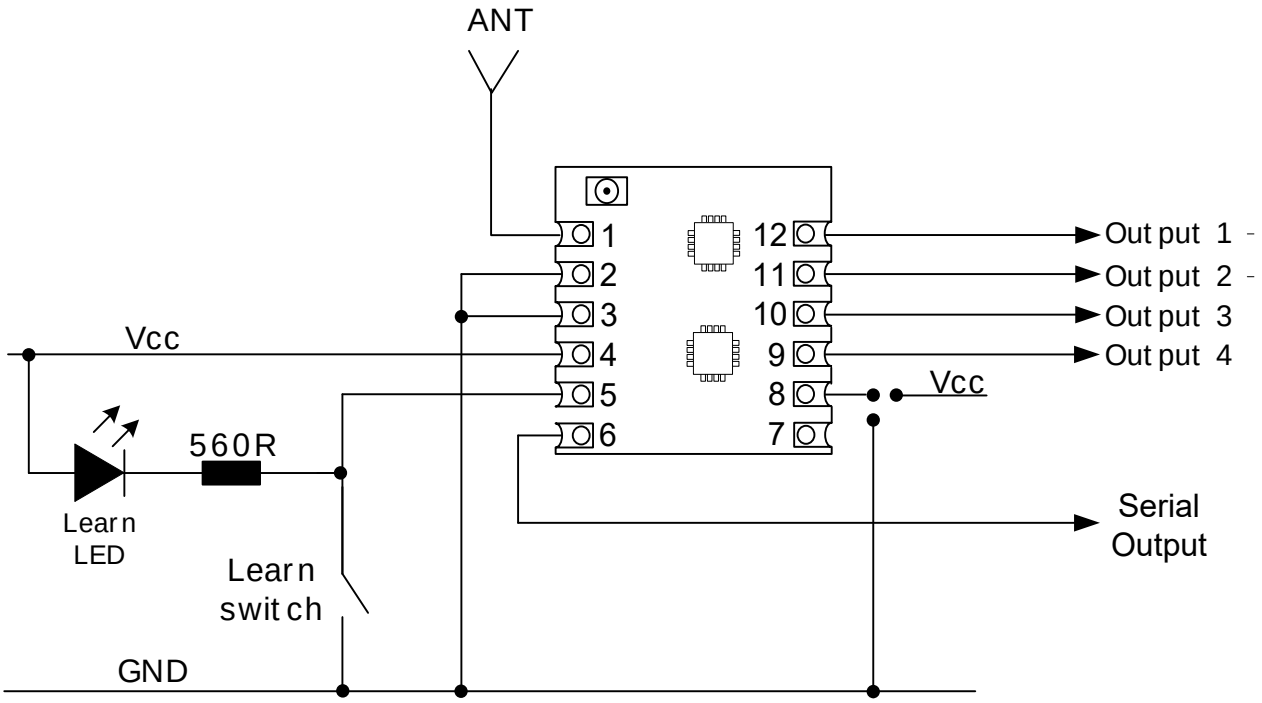
Each FOBBER contains a unique serial number and can be paired with many RF Receivers from miniature SMT modules to complete Housed Relay units with digital and serial data outputs, together providing an easy design -in Remote Control Solutions.

The front face membrane Overlay may easily be customised to bespoke design Logos etc Key fob with a multitude of switch positions.

FOBBER Key Fob

Easy Embedded Remote Control

ZPT example application circuit



Description:

This example shows a ZPT module receiver with all 4 outputs connected.
Note: The external learn switch and learn LED are both shown connected in this example.

FOBBER Key Fob

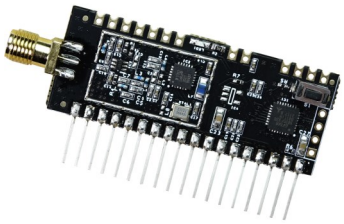
Compatible Receivers

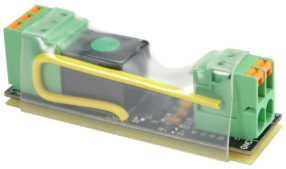
Each key fob transmitter is pre programmed with a unique identity (one of 16 billion possible numbers), the identity number transmitted on each press of the switch. Most receivers can learn the identity of up to 50 unique transmitters.

Note : The same transmitter may be taught to any number of receivers to create 'master keys'.

ZPT Module – 433 or 868 MHz Smart Radio module with 4 Digital and serial data output.

GAMMA62 - 868 MHz SMART Radio Module with 10 digital outputs.





FERRET-8R1 —868 MHz 6 -24Vdc Receiver with 1 relay changeover contacts for adding RF switching to an existing application.

RIOT-RX-8R4 - 868 MHz 12/24Vdc or 230Vac powered Receivers with 4 relay changeover contacts for home automation or light industrial applications. The enclosure is IP68.

QUANTA-4R4 (433 MHz)
HORNETPRO-8R4 & 8R2M
TRAP-RX (868 MHz)
RF Receiver with 4 relay Changeover Contacts, housed in an IP68 Enclosure

725 -TRX8 - 868MHz
Din Rail 12 —24V receiver with 2 relay Changeover Contacts expandable to 16 Relay changeover contacts using additional modules

FOBBER Key Fob

Technical Specifications

Electrical Characteristics	Min	Typical	Max	Units
Operating Temperature	-10		80	degC
Supply Voltage	2.0	3	3.3	V
Supply Current : Quiescent		<1		uA
Supply Current : Transmitting		17		mA
Operating frequency		433.920 869.500 918.000		MHz
Bandwidth (FSK Deviation pk -pk) 433 &n868MHz		60		KHz
Output Power 433.920 869.500			+10 +13	dBm

FCC Compliance (433MHz products)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

European compliance information (433 and 868MHZ Products)

This RF Solutions product meets the essential requirements of the European Radio Equipment Directive 2014/53/EU and has been tested to European Harmonised Standards and CE marked accordingly. A copy of the EU Declaration of Conformity can be located on the RF Solutions Website, www.rfsolutions.co.uk/certification -i59 .

FCC Compliance (918MHz products)

At the time of writing we are currently in the certification stage for both USA and Australia

Replacing the battery

Remove the screws holding the back panel in place. Open the case and change the battery. Ensure you check the orientation of the battery.
Battery Type CR2032 (supplied)

FOBBER Key Fob

Simplified Declaration of Conformity (RED)

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Specifies certain limits for hazardous substances.
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Waste Batteries and Accumulators Directive 2006/66/EC
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RF Solutions battery producer number **BPRN00060.**

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