

WireLess™

(A BodyLogic Product)

Designed by people who work with amazing cars for people who build amazing cars.

Simtek (UK)'s **BodyLogic WireLess** control systems have been developed over the past 12 years for use by race and road car manufacturers and boast some of the most advanced functionality available anywhere on the market. These systems have been serving our customers reliably, behind the scenes, for over a decade but now, at last, we have set them free and have made them available to all, in the form of our **WireLess** range, bringing advanced functionality and smart OEM features to the kit and low volume manufacturer, custom builder and restorer as well as advanced motorsports clients.

Simtek (UK) have developed the range into several parts designed to satisfy any, and all the requirements of our customers.

System Design

The purpose of the system is to allow the reduction in wiring and the simplification of switch, pots and sensor connections in an automotive environment. The system's functionality is particularly

suited but not limited to switch panels, steering wheel systems and remote displays.

The **WireLess** system is in two parts:

1. The remote wireless transmitter/transceiver module
2. The wired base station, receiving the signals from the transmitter/transceiver module

station whilst being able to receive information back to guarantee the signal was received and accepted. This greatly improves reliability and reduces missed triggers to a point where the driver does not know if the systems are wired or wireless.

Additionally, this bi-directional communication allows information to be transmitted in the other direction, leading to useful additional functions including the ability to display warnings on the steering wheel or switch panel.

The **WireLess** system can be configured as one to one, many to one or many to many.



**RF1_BStr Receiver
(transceiver base station)**



WireLess system components currently available:

- **Transmitter (Transceiver)-3 models**
 - RF1_TTM - 14 x Digital inputs £172.18
 - RF2_TTM - 14 x Digital inputs & 6 Analogue inputs £186.27
 - RF3_TTM - 14 Digital inputs, 6 analogue inputs and 8 low-side drive outputs, also this unit has 1 x CAN data channel. £224.81
- **Receiver (Transceiver base station) –1 model** £230.76
 - RF-1_BStr - 1 x CAN data channel, 4 x (3 Amp) Low-side drive outputs & 2 x “Pass-through” (2 Amp) relay channels.
- **Integrated Receiver (Wireless control integrated into LOGIC BCU range) – 2 models**
 - RF-3_IRrt - Controls any selected LOGIC BCU function £ 97.10
 - RF-4_IRrt - Controls any selected LOGIC BCU function, 4 x (3 Amp) Low-side drive outputs & 2 x “Pass-through” (2 Amp) relay channels. £170.16

Switch panel options currently available:

BodyLogic Aluminium plate, modified to suit application, powder-coated to preferred colour From £150.00
(shown assembled with switches, wiring and transmitter)



BodyLogic Naked PCB switch panel (currently only available in black/copper finish as shown)

From £ 150.00



MFSWSU-01 Carbon fibre Steering Wheel Switch Plate with polycarb back box (shown assembled with customer’s choice of switches)

From £ 150.00



Button switches

From £ 8.50

Momentary miniature button switches. Made in France

White

Black

Blue

Yellow

Red

Green

Orange

Rotary switches: Info to follow:**Labelling: Info to follow:****Resistors: Info to follow****Wiring and assembly - Notes**

As seen in the above images we can produce neat, waterproof wiring on the back of your chosen switch plate.

The cost is directly related to the number of switches used.

The BodyLogic Naked PCB switch plate incorporates the wiring in the plate, so the wiring is very minimal.

The Carbon fibre plate with back housing does mean that the wiring is hidden and somewhat protected from the elements, meaning the finish and protection on the wiring does not need to be so robust.

If you want a standalone RF system to work on a pre-existing electrical system, **not** using the BodyLogic BCU, the receiver component to use is RF-1_BStr – 1, plus any transmitter and switch plate option.

Switch Plate options are many and various, so we price on the job as a bespoke build.

If you would like more information, please don't hesitate to contact us: bodylogic@simtekuk.co.uk