

iTuch

WHAT IS iTUCH

iTuch is a revolutionary sensitive touch allowing to launch an action through materials like wood, marble, stone, plastic, glasses and even double glazing. It works over materials from 1 to 40 mm. The finger or the hand faced to the sensor activates a command sent to the **MBC** controller and play an action or a macro.

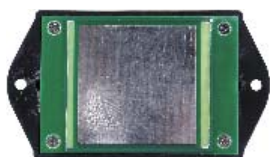
Available in two versions: wireless radio **iTuchW** and wired **iTuchRL**.

iTuchRL is powered in 12VDC and has a built-in relay to send a "toggle" or a "pulse" GPI dry contact directly to a device or to a **MBC** controller GPI input. Several GPI inputs connected to the **MBC** controller allows to manage several **iTuchRL**.

The standalone radio wireless version, **iTuchW**, is powered by an internal battery (5/10 years life-time). It send a command by **ZigBee** to the **MBC** controller through **ZigAccess/ST** access point.

Up to 16 **iTuchRL** can be use on the same installation and there is no limitations for **iTuchW**.

iTuch can be fixed to its support by screw, velcro®, sticker, glue, ...



APPLICATION EXAMPLE

Architects, interiors decorators and users will be delighted by this command process. It allows to hide the control behind a familiar and esthetic object.

Thanks to its through wall functioning capacity, the system can be integrated with the major part of the elements used at home or for a construction.

Examples of use: Lighting, HVAC, audiovisual, sécurité, ... can be displayed on a stone, marble wall or wood, glass table by a screen print or an object representing the command to made.

iTuch can be fixed under a chair to detect a person presence. Also usable through a store showcase.

SPECIFIC FEATURES

Adjustable sensitivity: **iTuch** sensitivity can be adjusted according to the support thickness.

Radio transmission: **ZigBee** protocol for long range transmission.

Battery: **iTuchW** is powered by a 9V battery and its lifetime is 5/10years .

Built-in relay: Each **iTuchRL** have a built-in relay to directly start a function.

Power supply: **iTuchRL** have a 12V output to supply each other up to 16 units.

4 relay behaviours: toggle, pulse, push 10 and push 60

Toggle: 1 touch, relay closed - 1 touch, relay opened (regardless of the touch time)

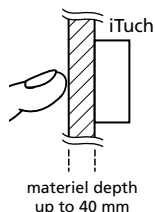
Pulse: 1 touch, relay closed for 95ms - impulse (regardless of the touch time)

Push 10: 1 touch, relay closed as long as the contact keeps (for 10" max.)

Push 60: 1 touch, relay closed as long as the contact keeps (for 60" max.)

PRODUCT REFERENCES

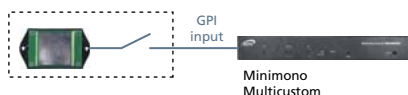
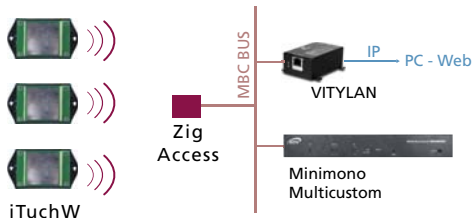
iTuchW (Zig Bee version)
iTuchRL (wired version)



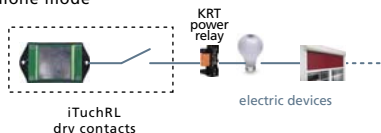
SPECIFICATIONS

Touch	Capacitive
Sensitive surface	50 x 50 mm
Sensibility	Two rolling switch settings (High/Low - adjustable)
Address	16 with rolling switch
On/Off	Micro switch
On touch action display	by LED
Number max of iTuch	Up to 16 touch connected to one interface
DIMENSIONS & WEIGHT	
Dimensions - W x H x D	89 x 63.5 x 29 mm
Weight	80 g
POWER SUPPLY	
Power supply	12V - 30mA max
Temperature	from 0°C to +48°C

iTuch and media bus control



Standalone mode



iTuchW

Wireless	Zig Bee (cellular protocol)
Range	up to 100 m
Radio frequency	2.4 GHz
Delivery with	1x battery 6LR61/9Volts
Radio access point	Zig Access - MBC bus
delivery without battery and without access point	
PL9VSTD: standard 6LR61 battery	
PL9VLITH: Lithium 6LR61 battery	

iTuchRL

1x Relay	60V - 1A 2 pins detachable phoenix connector External 120/230V power relay, ref KRT Power supply for KRT coil: KRAL
YVV10P1-12MP	External power unit for up to 16 iTuchRS 12V - 1A - Delivery separatly

delivery without power supply