

Arteor™

ZigBee Wireless Control System

Programming Instructions

About ZigBee

The Wireless Legrand ZigBee® System uses the ZigBee® transmission technology based on the IEEE 802.15.4 standard for Wireless Personal Area Network (WPAN). This international communication standard works on the frequency of 2.4GHz

The ZigBee® protocol is particularly suitable for HOME/OFFICE AUTOMATION applications because it is simple to manage, does not involve special masonry work, and can be expanded in the future.

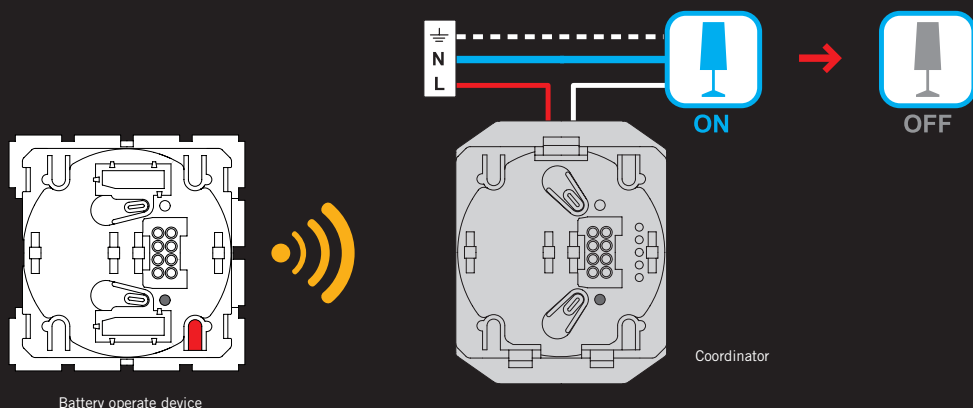
Set-up ZigBee® in 3 easy steps

Step 1 - Set up Network Coordinator

Step 2 - Associating a device to the network

Step 3 - Program device switch to output

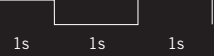
Wiring diagram



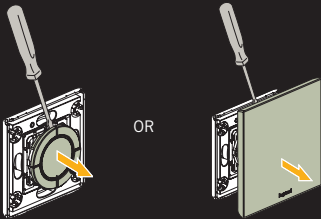
Step 1 - Network creation

Creating the Network lets all the devices belonging to the Network receive and transmit control commands.

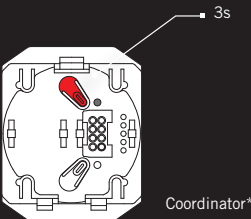
Before describing the procedure to create the network here's a legend of the symbols used as LED status.

	OFF		
	ON STEADY		
	SLOW FLASHING		Constant flash. Once a second.
	QUICK FLASHING		Constant flash. Twice a second.
	FLASHING MODE		
	3 PULSE/3 s		3 flashes in one second and off for 2 seconds.

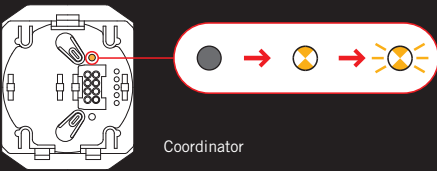
1 Remove the keys or touch plates of the devices involved.



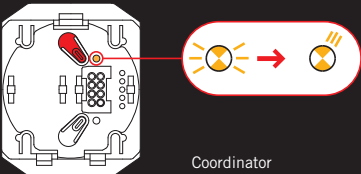
2 Identify the coordinator device and press the NETWORK KEY for 3 seconds.



3 The NETWORK LED (yellow) shines steadily during the network search, then changes to quick flashing.



4 Press the NETWORK KEY briefly. The NETWORK LED (yellow) changes to 3 pulses/3s.

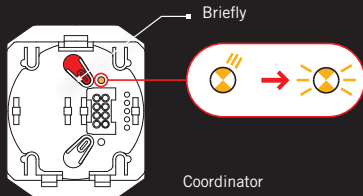


* Coordinator device must be permanently connected to the mains 240V a.c.

Step 2 - Associating a device to the network

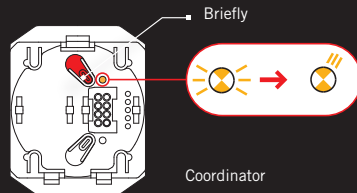
To create the network the devices must be attached to it.

- 1 Press the coordinator NETWORK KEY. The NETWORK LED (yellow) starts to flash quickly.

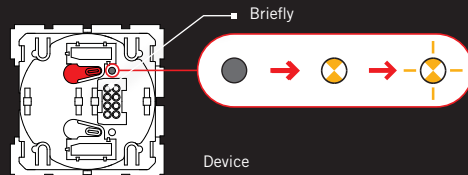


- 3 Repeat the operation for all the devices to be inserted.

- 4 Press the coordinator NETWORK KEY briefly. The coordinator NETWORK LED changes to 3 pulses/3s while the NETWORK LED of all the devices switch off.

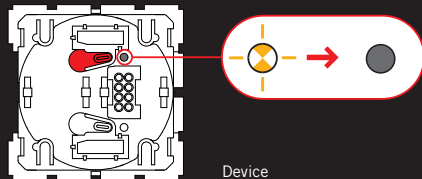


- 2 Press the NETWORK KEY of the first device to be inserted briefly. The NETWORK LED (yellow) shines steadily during the network search, then flashes slowly.



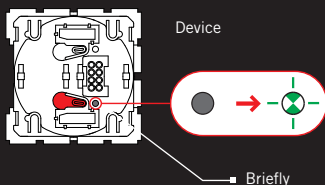
Remove device from NETWORK:

- 1 Push briefly on NETWORK key's product (which you want to exit)
 - Orange LED flash slowly
- 2 Push during 10s on NETWORK key
 - Green LED enter in flashing mode
- 3 Product is not any more in the network

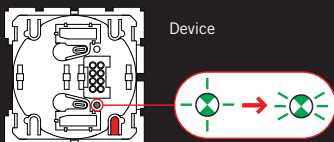


Step 3 - Programming a device to output

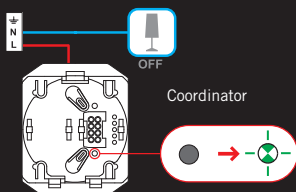
- 1 Remove the keys or touch plates of the devices involved.
- 2 To associate a radio control press Briefly the LEARN KEY on the radio control. The LEARN LED (green) starts to flash slowly. After 1 minute LEARN LED switch OFF.



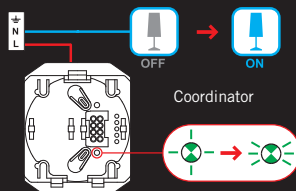
- 3 Press the ON KEY on the radio control. The LEARN LED (green) changes to flash quickly.



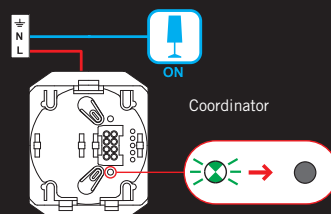
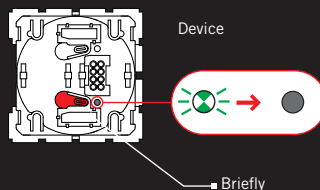
- 4 Press the LEARN KEY on the switch to be associated. The LEARN LED (green) starts to flash slowly.



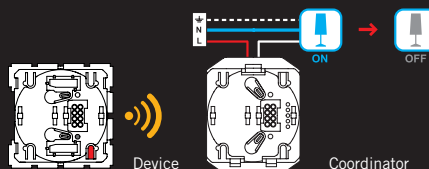
- 5 Press the ON KEY on the switch. The load switches ON and the LEARN LED (green) changes to flash quickly.



- 6 Press Briefly the LEARN KEY on the radio control. All the LEARN LED (green) switch OFF.



- 7 The devices are now associated: press the OFF KEY on the radio control to check that the association is correct.



The same procedure can be used to associate one switch to another switch. In fact the switches, as well as controlling the load associated to them (physical ON - OFF) can also control by radio the load connected to another switch.

Note: A switch switches the load connected to it ON and OFF, when the ON - OFF KEY is pressed, even if it is associated to another switch.