

# Wireless Gateway Instruction Sheet

Model No.: WNG

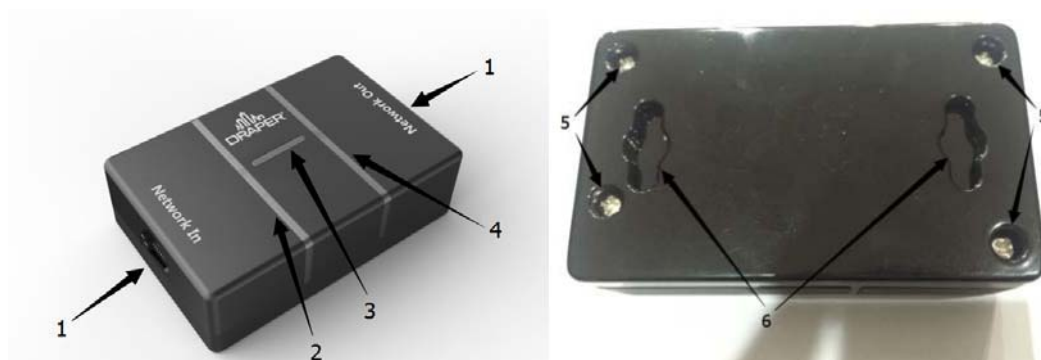
## 1. Introduction

The Wireless Gateway is a component of the motor control core system that allows a handheld remote to communicate through Bluetooth technology to control motorized shades.

## 2. Safety

Please read this guide carefully before installing and using this product.

## 3. Product in detail



No.	Elements	Description
1	RJ45 Ports	Network In and Out
2	Stripe LED1	Signal LED
3	Stripe LED2	Bluetooth LED
4	Stripe LED3	Power LED
5	Screws	Fastening screws for enclosure
6	Mounting slots	Used for mounting onto bracket

#### 4. Technical data

Wireless Gateway dimensions	86*52*25mm
Power Supply by BUS	24VDC
Working current	10mA
Communication technology	Bluetooth 2.4GHz

#### 5. Installation

Set up Wireless Gateway in the motor control core network. See Fig.1 for the core system diagram.

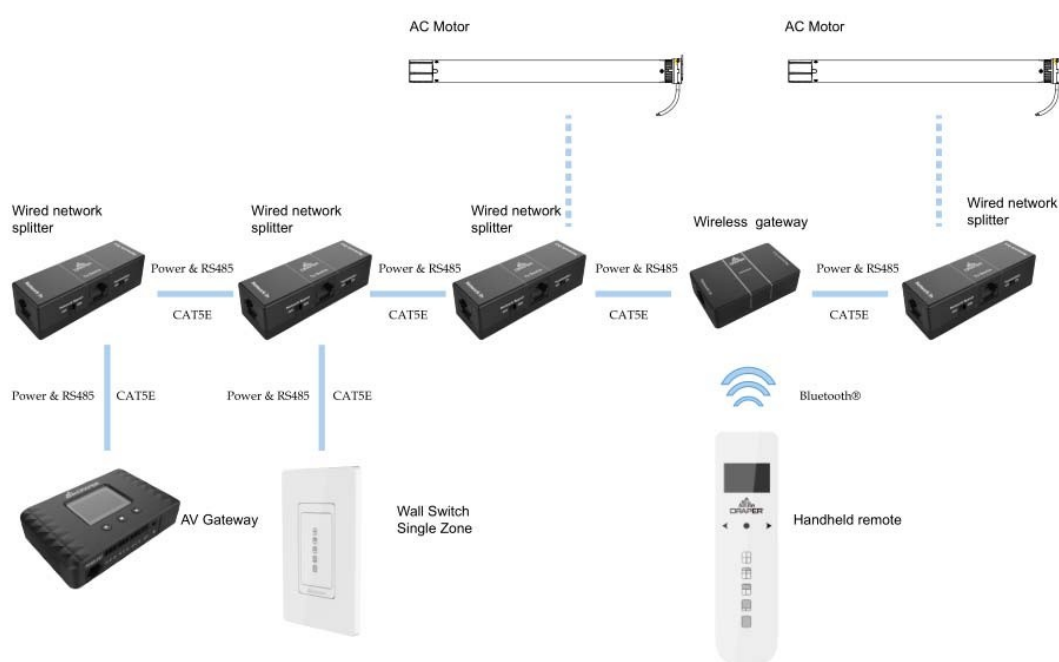
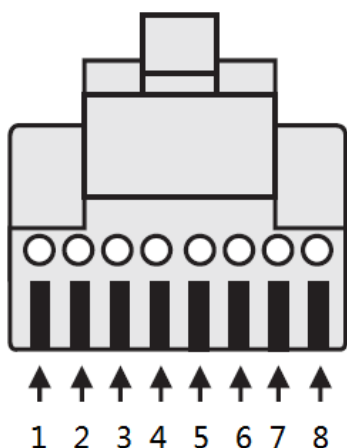


Fig.1 Core system Diagram

## 6. RJ45 Network Pinout



Pin1	RS485_A
Pin2	RS485_B
Pin3	RS485_GND
Pin4	BUS Power +24V
Pin5	BUS Power +24V
Pin6	Not Connected
Pin7	GND
Pin8	GND

## 7. Pairing with A Handheld Remote

Ensure the Wireless Gateway is set up in the core network and has a green LED indicating that it is powered on. The yellow LED should blink indicating network connectivity. The red and blue LEDs should blink alternately indicating it is ready for pairing. See LED definition in Section 8.

## 8. LED definition

Function	LED Color	LED Action	Description		
Power	Green	On	Devices has power		
		Off	Device does not have power		
Network	Yellow	Off	No network connection		
		On	No network communication		
		Blinking (Short off)	Indicates the number of devices on the network.	ON	OFF
			Case1, Devices>10 10 Devices	2 secs	500ms
			Case2, Devices<10 Each device	500ms	350ms
			Case3, Devices=10	2 secs	2 secs
			Short Off (2 seconds) - end of indication		
		Rapid Blink	Device is auto-addressing	200ms	200ms
		Variable Blink	Firmware upgrade. Total time 5 seconds. Percent of that time is On indicates the percentage complete.		
Bluetooth	Red and Blue	Off	No network connection		
	Red and Blue	Blinking	Pairing with Handheld Remote		
	Purple	On	Connected		
	Red	On	Sleep mode		

### Warning Statement

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 received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.