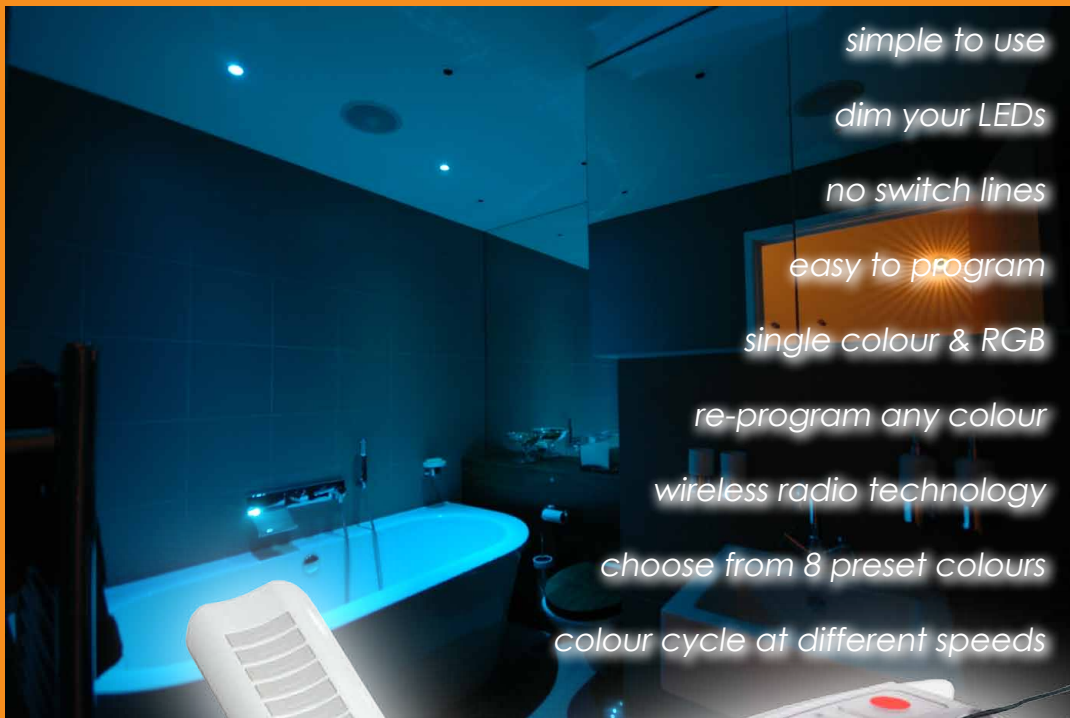


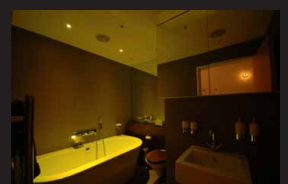
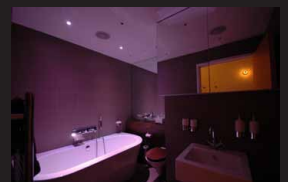
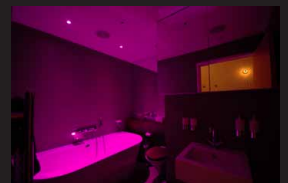
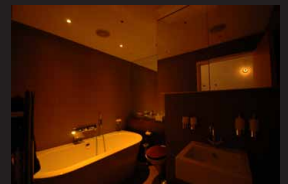
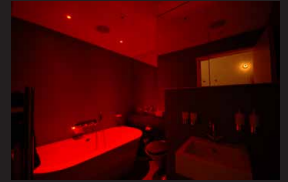
WISE CONTROLS
H O M E & G A R D E N

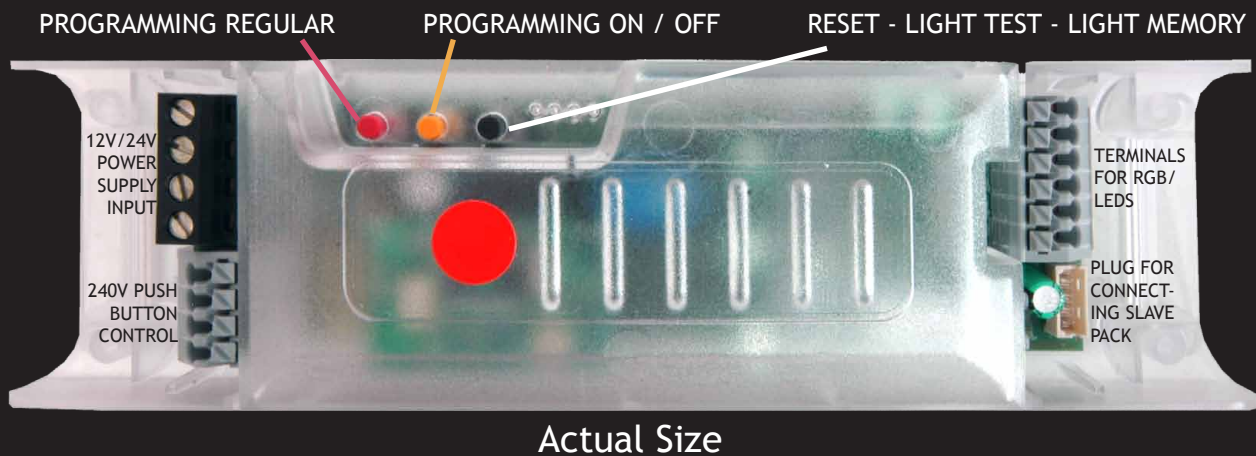
WiseChameleon

LED Colour Change Control and LED Single Colour Dimming for 350mA, 700mA, 12V and 24V LEDs



1000 COLOURS!





INTRODUCTION

The Wise Chameleon was designed for 1 simple reason, to cater for the demand for affordable colour changing lighting within residential properties. Since that day, the Wise Chameleon has expanded its range to now be able to control 350mA, 700mA, 12V and 24V LEDs.

As well as fully dimmable colour changing, the Wise Chameleon can also be used as an LED dimmer, with no minimum load. That means that if you need a 1W LED completely dimmable (down to 2%), then its now possible!

The wide selection of wireless switches available are linked to the receiver through a code which is created by pressing an easy to understand, colour coded programming button on the receiver at the same time as pressing the switch button. This links the 2 items together, ensuring that no other receiver can be controlled from your switch. A maximum of 16 switches can be programmed to each receiver pack.

With a mix of master and slave packs, you can now control and dim an unlimited number of LEDs from a single wise switch button.

For example: If you required 2000W of 24V LEDs to be dimmed (completely impossible with a conventional dimmer) you would need to purchase 1 X WISERGB STRIP M, 11 x WISERGB STRIP SL, a 1 BUTTON WISE SWITCH, and a 200W 24V power supply for each of the master and slave packs.

But don't take our word for it, experience the ultimate in easy installation wireless lighting systems for yourself today!



PROGRAMMING

● programming

● programming on/off

● reset - test - light memory

PROGRAMMING OPTIONS GUIDE

When using the Wise Chameleon to control your RGB / LED lights, you have a number of different options available for programming. These options include full colour changing and making your lights change colour to a warm white (halogen). With the correct number of switches, all of these programming methods can be used together to give the user more controllability.

For Example, you can have a 7 button remote which operates the colour changing cycle, and have a 1 button wallswitch on the wall which changes them all to warm white at the click of a button. You can also have a single button switch which you can program to be a master off button. This would guarantee that all of your lights would be turned off when you leave the house.

However you wanted to control your colour changing lights, let Wise Controls give you more options for your money!

Option A	FULL COLOUR CHANGING	7 BUTTON	PAGE 6
----------	----------------------	----------	--------

- 8 Preset Colours, all dimmable.
- Smooth Colour Scrolling between all 8 colours.
- Customise Preset Colours to own colours.
- Requires 7 Button Switch

Option B	COLOUR STEPPING	1 BUTTON	PAGE 7
----------	-----------------	----------	--------

- Steps Through 8 Preset Colours with every press of the button.
- Change Preset Colours (using the 7 button switch)
- Requires 1 Button Switch

Option C	DIMMING SINGLE COLOUR LEDS	1 BUTTON	PAGE 7
----------	----------------------------	----------	--------

- Dimmable
- Single Colour LEDs
- Requires 1 Button Switch
- No Minimum Load

Option D	DIMMING WARM WHITE WITH RGB	1 BUTTON	PAGE 8
----------	-----------------------------	----------	--------

- Dimmable
- Automatically creates Warm White from RGB LEDs.
- Requires 1 Button Switch

Option E	ALL ON / ALL OFF	1 / 2 BUTTON	PAGE 8
----------	------------------	--------------	--------

- Switches On / Off - No Dimming.
- Single Colour LED or RGB LEDs
- Requires 1 or 2 Button Switch
- Master On or Off - Program to every pack you have!

CONTENTS

PRODUCTS

M = Master / SL = Slave

350mA CONSTANT CURRENT LEDS

PAGE 3

The 350mA receiver is used in conjunction with any 350mA RGB or single colour LED. A maximum of 21W can be controlled from a master pack. The slave pack also has a 21W maximum loading. A 25W 24VDC power supply is required for this product.

Part Numbers:
WISERGB 350MA M
WISERGB 350MA SL
WISERGBBOX 350 M

The 'WISERGBBOX 350 M' box contains a ready wired 25W 24V power supply, meaning one would not need to be purchased as well as the box.

700mA CONSTANT CURRENT LEDS

PAGE 4

The 700mA receiver is used in conjunction with any 700mA RGB or single colour LED. A maximum of 42W can be controlled from a master pack. The slave pack also has a 42W maximum loading. A 50W 24VDC power supply is required for this product.

Part Numbers:
WISERGB 700MA M
WISERGB 700MA SL
WISERGBBOX 700 M

The 'WISERGBBOX 700 M' box contains a ready wired 50W 24V power supply, meaning one would not need to be purchased as well as the box.

12V/24V CONSTANT VOLTAGE LEDS - COMMON POSITIVE

PAGE 5

The 12V / 24V receiver is used in conjunction with any 12V or 24V RGB or single colour LED with a common anode (positive). A maximum of 180W (90W @ 12V) can be controlled from a master pack before a slave pack would need to be added. For 12V LEDs, please use a suitable 12VDC power supply, while for 24V, ensure a 24VDC power supply is used.

Part Numbers:
WISERGB STRIP M
WISERGB STRIP SL
WISERGBBOX 12V M

The 'WISERGBBOX 350 M' box will contain a ready wired 100W 12V, or 200W 24V power supply, meaning one would not need to be purchased as well as the box. Please specify the LEDs you wish to control when ordering to ensure you are given the correct power supply.

12V/24V CONSTANT VOLTAGE LEDS - COMMON NEGATIVE

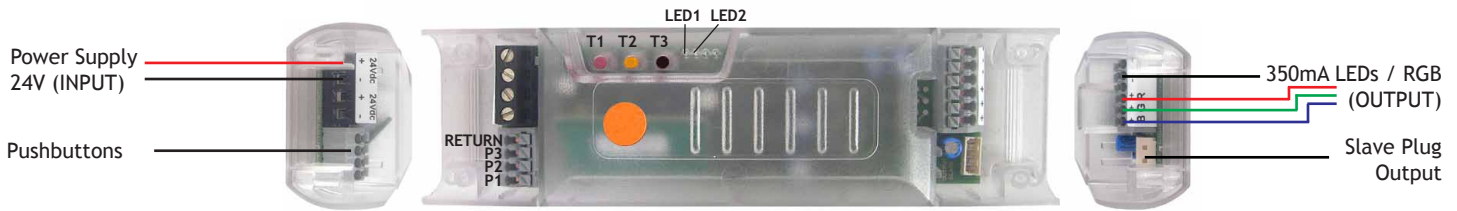
PAGE 6

The 12V / 24V receiver is used in conjunction with any 12V or 24V RGB or single colour LED with a common anode (negative). A maximum of 180W (90W @ 12V) can be controlled from a master pack before a slave pack would need to be added. For 12V LEDs, please use a suitable 12VDC power supply, while for 24V, ensure a 24VDC power supply is used.

Part Numbers:
WISERGB TAPE30 M
WISERGB TAPE30 S
WISERGBBOX TAPE30 M

The 'WISERGBBOX TAPE30 M' box contains a ready wired 100W 12V power supply, meaning one would not need to be purchased as well as the box.

CHAMELEON 350mA / 21W



T1 ● - Programming
T2 ● - Programming On/Off function
T3 ● - Reset - Light Test - Light Memory

Led 1 - Receiving RF signal
Led 2 - Command Executed

P1 - Will turn the lights on at their previous setting.
P2 - Activates the automatic colour cycle.
P3 - Turns off the lights.

350mA Top Selling RGB Products



SPEC DL6WA RGB
Downlight



AL2118 RGB
Uplight IP68



LED7021
Projector IP68

Height 35mm
Width 46mm
Length 165mm
Cut-out 50mm
Max Wattage 21 Watts
7W per channel
LED Type 350mA
Input Voltage 24V DC



Part No.
WISERGB 350MA M (Master)
WISERGB 350MA SL (Slave)
WISERGBBOX 350 M (IP54 Box)

Programming: (Page 7 - 9)

Full Colour Scrolling - A

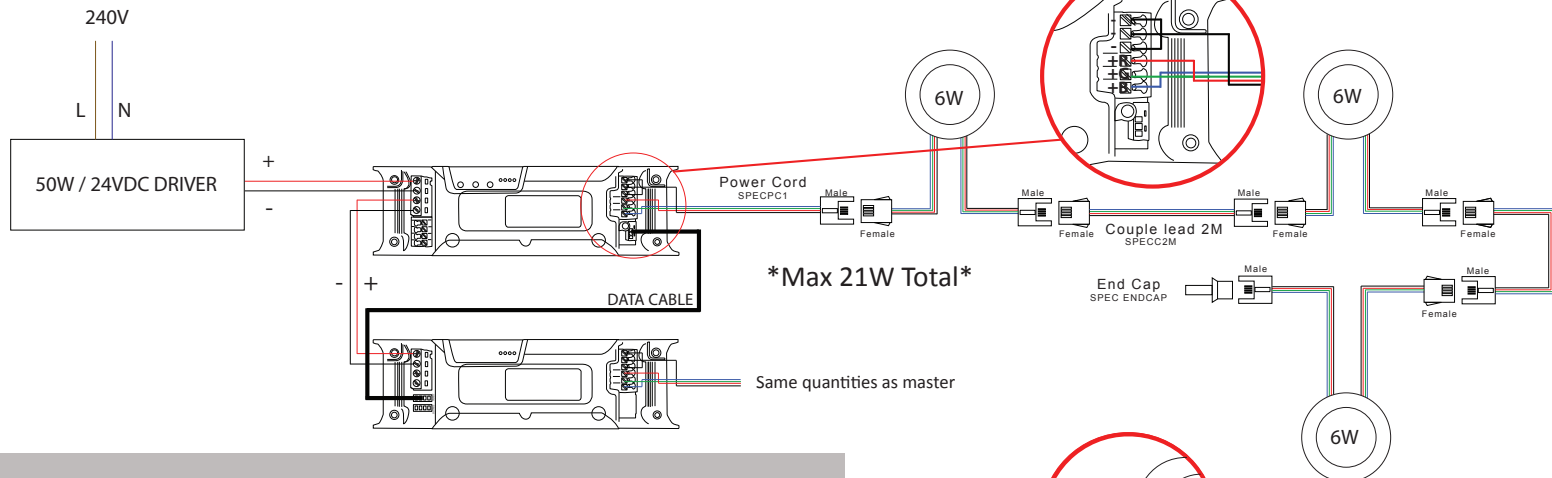
1 Button Colour Stepping - B

Dim Single Colour LEDs - C

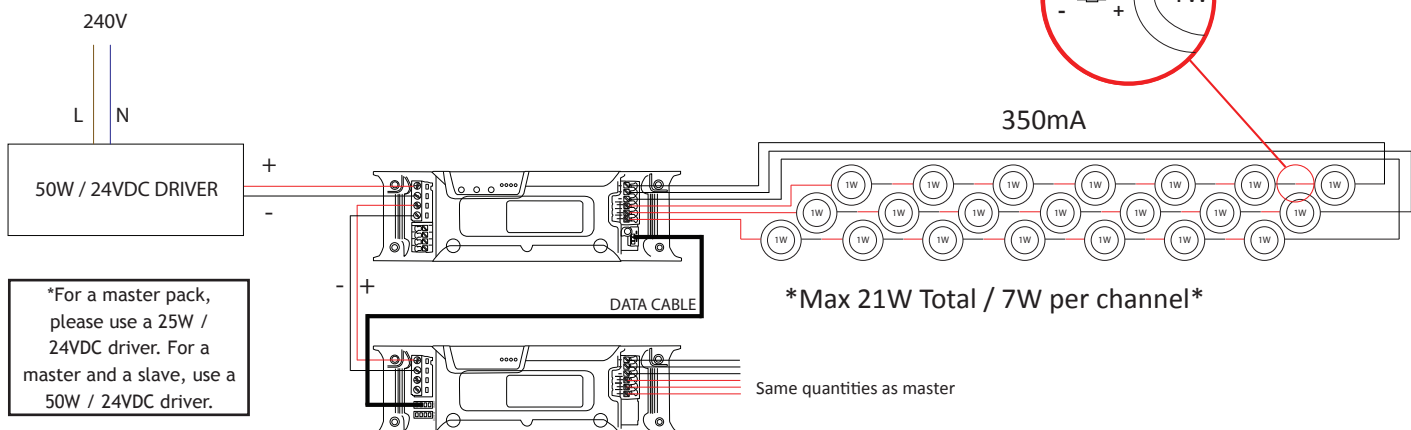
Warm White Dimming - D

Master On / Off button - E

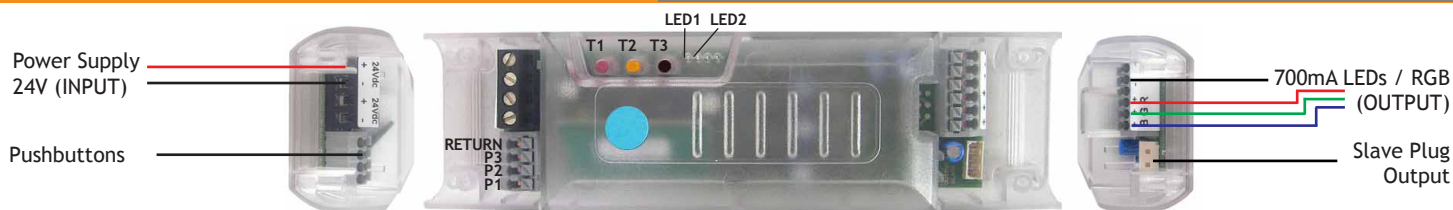
WIRING DIAGRAM - RGB



WIRING DIAGRAM - SINGLE COLOUR



CHAMELEON 700MA / 42W



T1 ● - Programming
T2 ● - Programming On/Off function
T3 ● - Reset - Light Test - Light Memory

Led 1 - Receiving RF signal
Led 2 - Command Executed

P1 - Will turn the lights on at their previous setting.
P2 - Activates the automatic colour cycle.
P3 - Turns off the lights.

700mA Top Selling RGB Products



SPECDA18W RGB
Downlight IP54

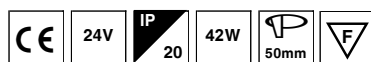


UL010
Spotlight IP68



SPECDL18W RGB
Downlight

Height 35mm
Width 46mm
Length 165mm
Cut-out 50mm
Max Wattage 42 Watts
LED Type 700mA
Input Voltage 24V DC



Part No.
WISERGB 700mA M (Master)
WISERGB 700mA SL (Slave)
WISERGBBOX 700 M (IP54 Box)

Programming: (Page 7 - 9)

Full Colour Scrolling - A

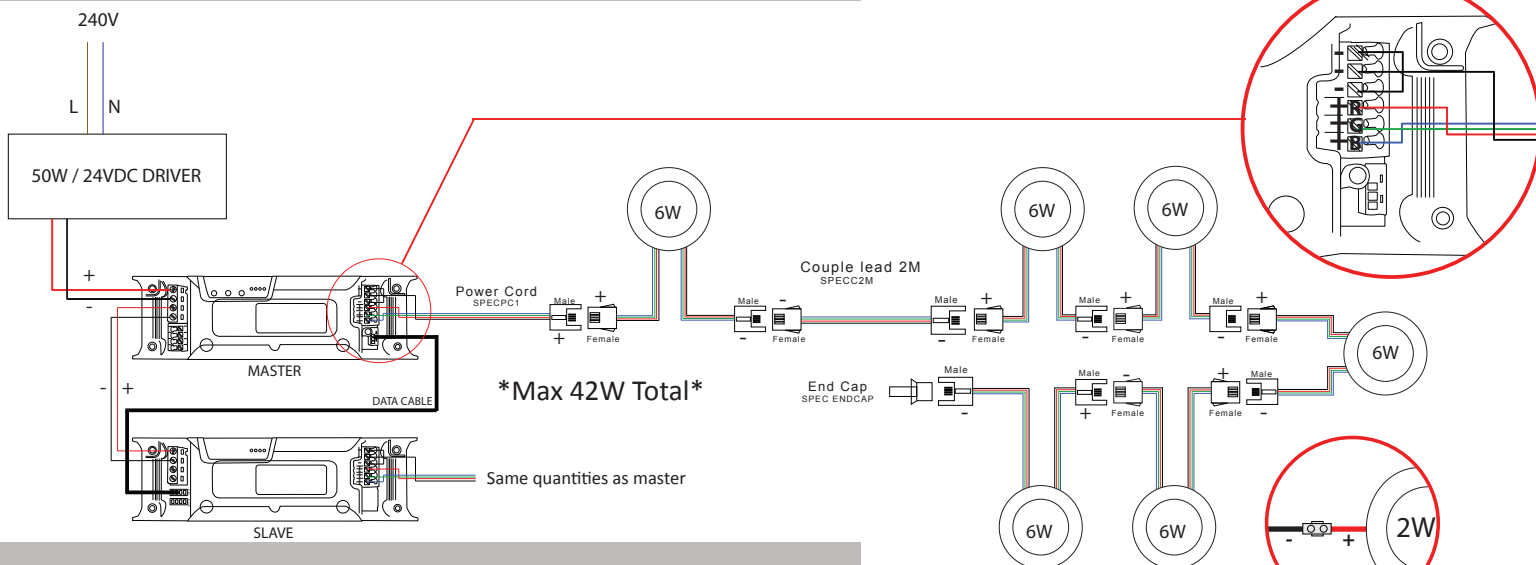
1 Button Colour Stepping - B

Dim Single Colour LEDs - C

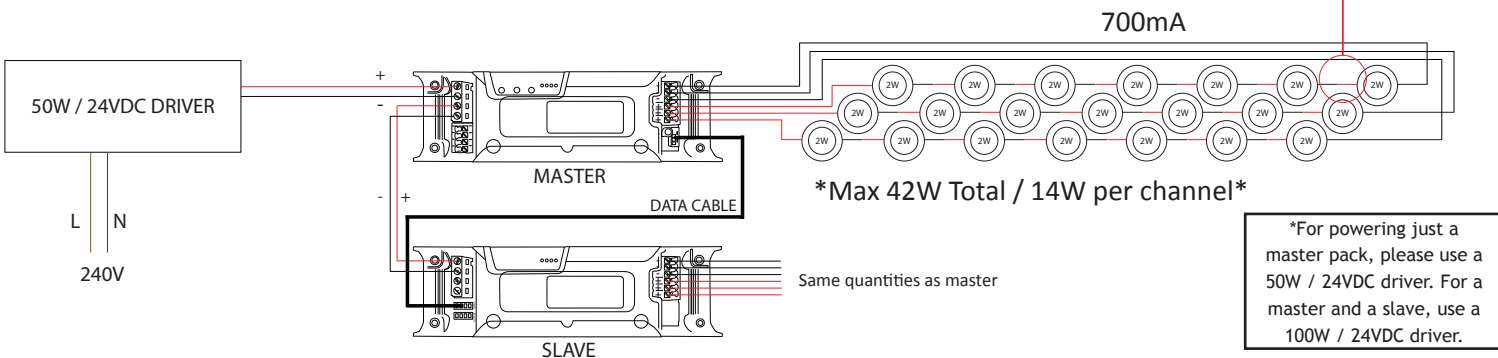
Warm White Dimming - D

Master On / Off button - E

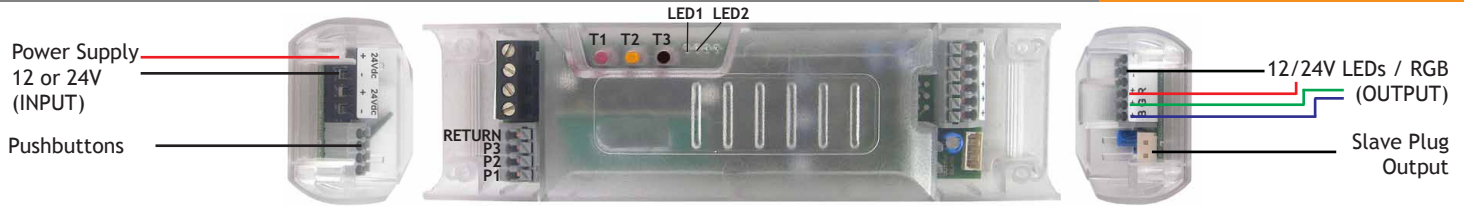
WIRING DIAGRAM - RGB



WIRING DIAGRAM - SINGLE COLOUR



CHAMELEON STRIP 12/24V / 90W/180W



T1 ● - Programming
T2 ● - Programming On/Off function
T3 ● - Reset - Light Test - Light Memory

Led 1 - Receiving RF signal
Led 2 - Command Executed

P1 - Will turn the lights on at their previous setting.
P2 - Activates the automatic colour cycle.
P3 - Turns off the lights.

12/24V Top Selling RGB Products



TAPE100 RGB
Downlight IP54



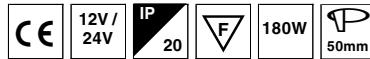
JAZZ 000063 RGB
Spotlight IP67



LEDLNX25 4W RGB
Strip IP65

Height 35mm
Width 46mm
Length 165mm
Cut-out 50mm
Max Wattage 180 Watts (24V)
60W per ch. (24V)
90 Watts (12V)
30W per ch. (24V)

LED Type 12V or 24V
Input Voltage 12V or 24VDC



Part No.
WISERGB STRIP M (Master)
WISERGB STRIP S (Slave)
WISERGBBOX12V M (IP54 Box 12V)
WISERGBBOX24V M (IP54 Box 24V)

Programming: (Page 7 - 9)

Full Colour Scrolling - A

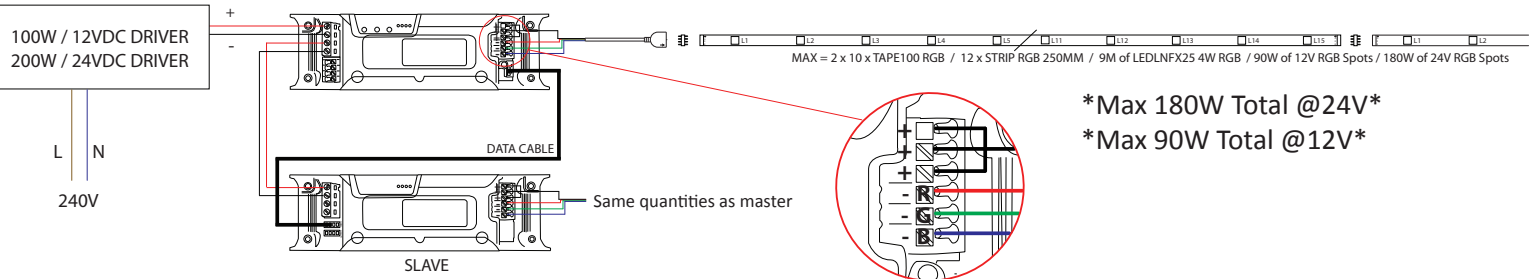
1 Button Colour Stepping - B

Dim Single Colour LEDs - C

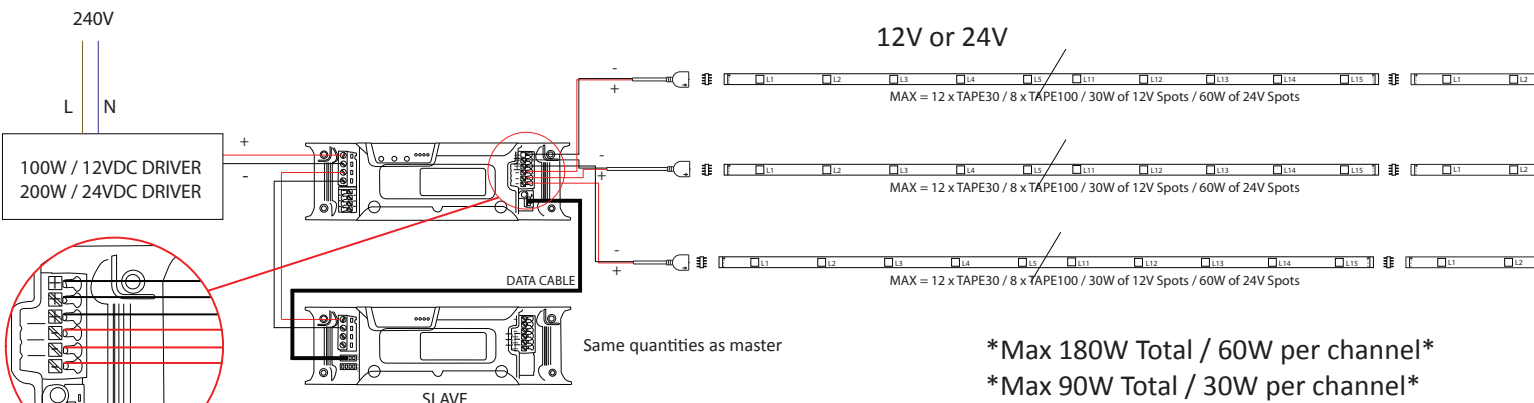
Warm White Dimming - D

Master On / Off button - E

WIRING DIAGRAM - RGB

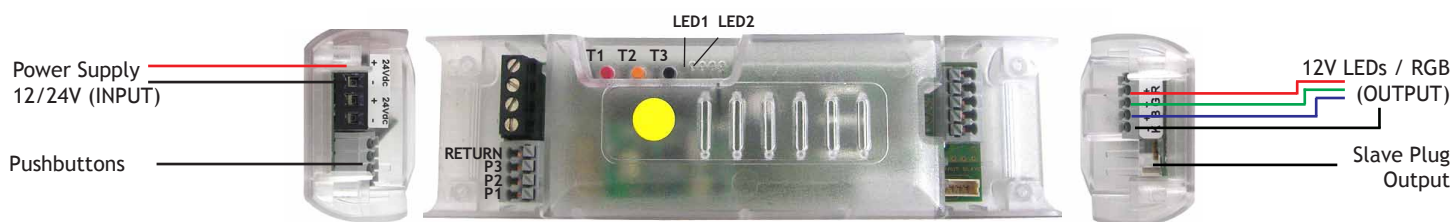


WIRING DIAGRAM - SINGLE COLOUR



3 POSITIVES / COMMON NEGATIVE

CHAMELEON TAPE30 12/24V / 90W/180W



T1 ● - Programming
T2 ● - Programming On/Off function
T3 ● - Reset - Light Test - Light Memory

Led 1 - Receiving RF signal
Led 2 - Command Executed

P1 - Will turn the lights on at their previous setting.
P2 - Activates the automatic colour cycle.
P3 - Turns off the lights.

12V TAPE Top Selling Products



TAPE30 RGB
Downlight IP54



TAPE30 BLUE
Spotlight IP68

Height	35mm	CE	12V / 24V	IP 20	F	180W	P 50mm
Width	46mm						
Length	165mm						
Cut-out	50mm						
Max Wattage	180 Watts (24V) 60W per channel (24V) 90 Watts (12V)						
LED Type	30W per channel (24V)						
Input Voltage	12V or 24V						
		Part No.					
		WISERGB TAPE30 M (Master)					
		WISERGB TAPE30 S (Slave)					
		WISERGBBOX TAPE30 M (IP54 Box)					

Programming: (Page 7 - 9)

Full Colour Scrolling - A

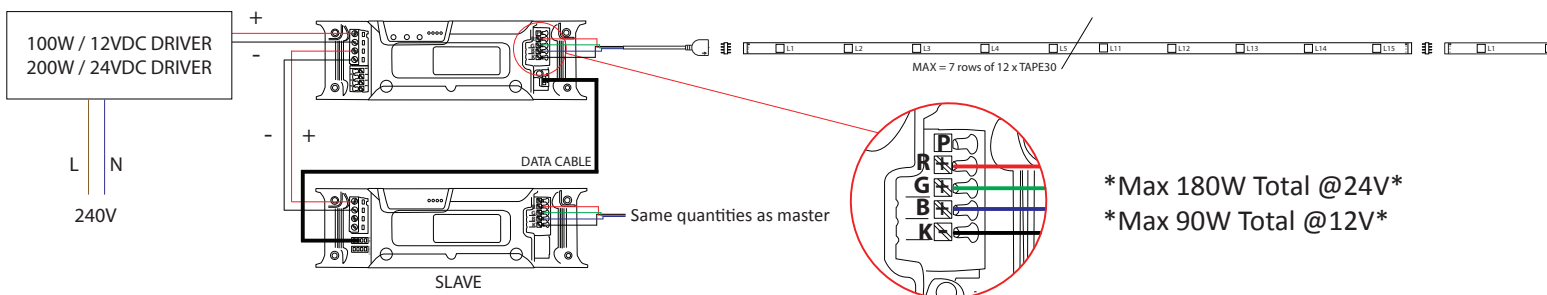
1 Button Colour Stepping - B

Dim Single Colour LEDs - C

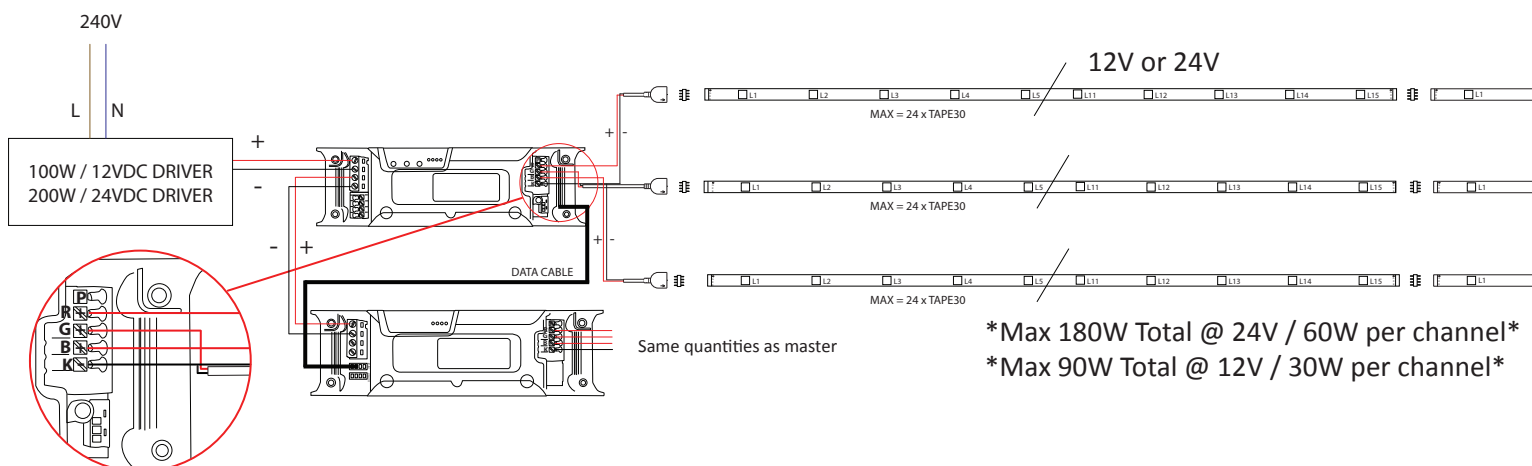
Warm White Dimming - D

Master On / Off button - E

WIRING DIAGRAM - RGB

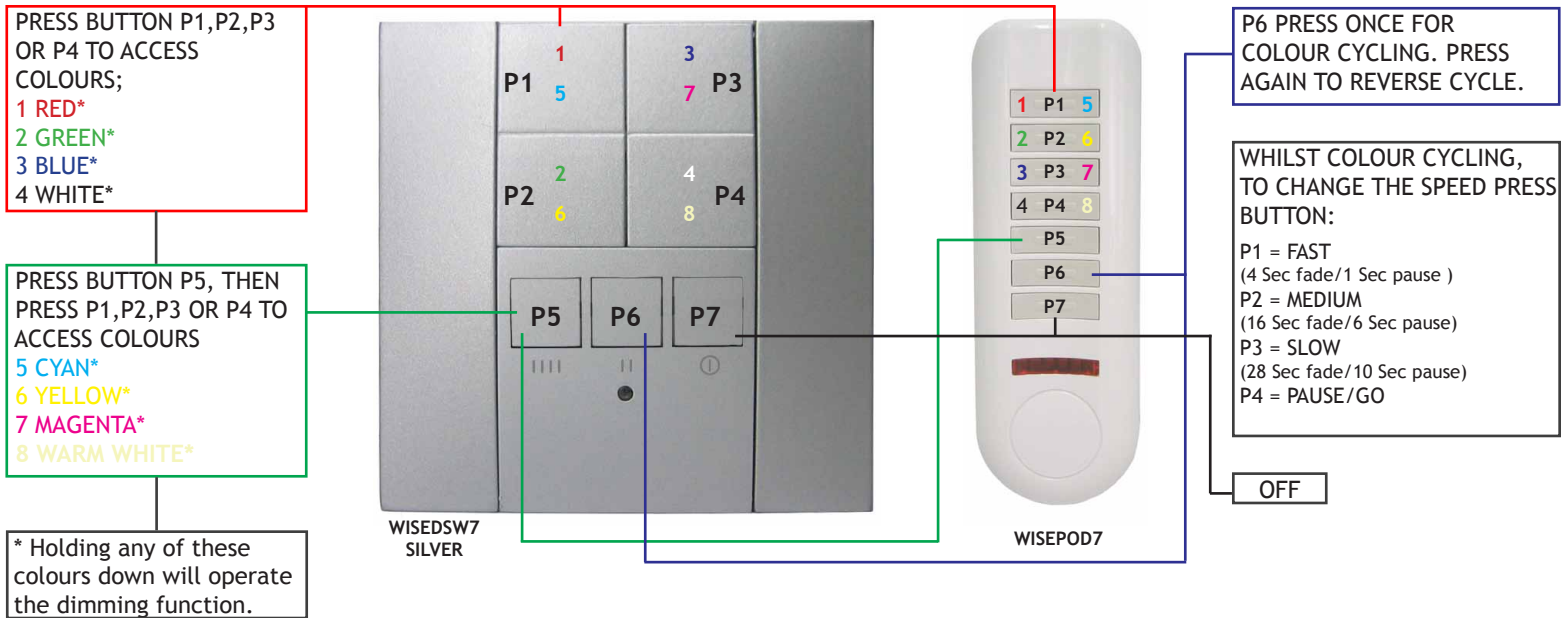


WIRING DIAGRAM - SINGLE COLOUR

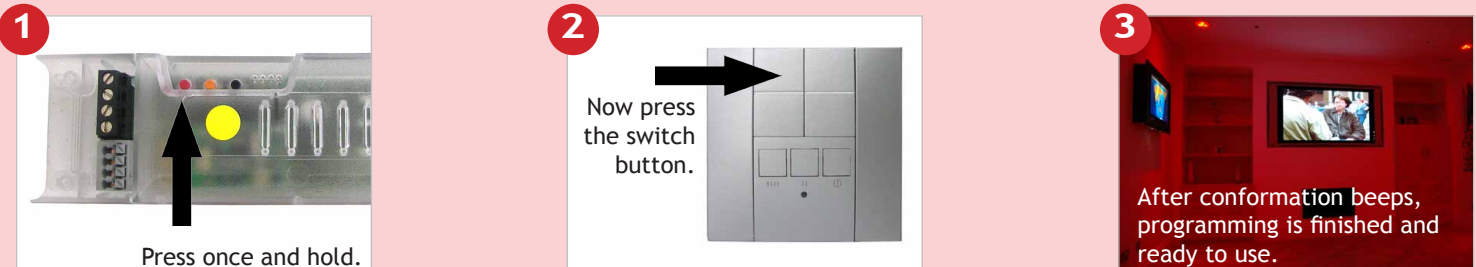


PROGRAMMING OPTIONS

OPTION A - FULL COLOUR CHANGING with RGB LEDs, using one of the 7 BUTTON WIRELESS SWITCHES



OPTION A1 DIMMING AND SWITCHING RGB LEDs using our 7 BUTTON WIRELESS SWITCH



On the Chameleon pack press button T1 once and hold (you will hear 1 beep), then press button P1 on the switch at the same time. This will program all 7 buttons. The chameleon is ready to use. If after programming only 1 of the buttons change the colour please delete the memory and try again.

OPTION A2 REPROGRAMMING THE PRESET COLOURS from a WIRELESS SWITCH



To save your own preset colours, simply hold down button P6 until the lights flash 2 times and then start scrolling through the spectrum. Wait until you reach the colour you like, then hold down the button of the preset colour you wish to replace. The lights will flash to show the programming has been completed successfully.

PROGRAMMING OPTIONS

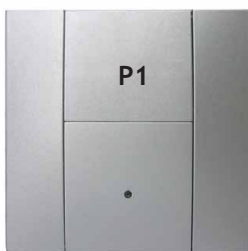
Different Switches Available



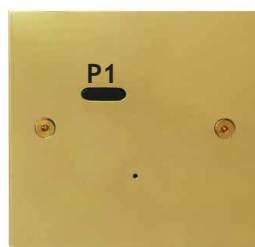
1 button retro switch
WISEFL17 1G



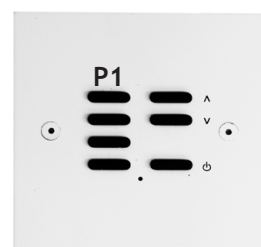
1 button keyfob
WISEKF1



1 button style switch
WISEDSW1



1 button ID switch
WISECDSW1 PB



7 button ID switch
WISECDSW7 MW

OPTION B

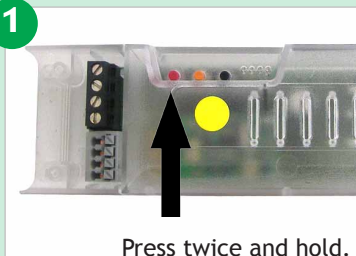
COLOUR STEPPING with RGB LEDs, using ONE OF THE BUTTONS ON A WIRELESS SWITCH

PRESS P1 BUTTON TO STEP TO NEXT COLOUR.

- 1 RED
- 2 GREEN
- 3 BLUE
- 4 WHITE
- 5 CYAN
- 6 YELLOW
- 7 MAGENTA
- 8 WARM WHITE

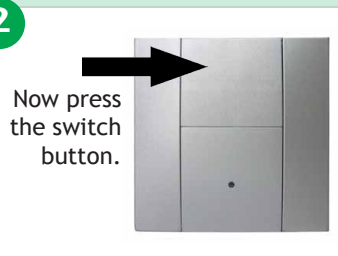
HOLD TO DIM

1



Press twice and hold.

2



Now press the switch button.

3



After conformation beeps, programming is finished and ready to use

On the Chameleon pack press button T1 twice and hold (you will hear a beep after every press), then press the button on the switch at the same time. The switch has now been linked to the receiver and will flick through each of the eight colours with every press of the switch button. To turn off the switch, simply hold the button down for a few seconds.

OPTION C

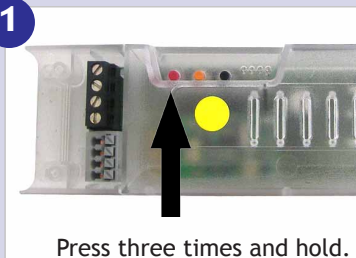
DIMMING AND SWITCHING single colour LEDs (or RGB) using one of the buttons on a WIRELESS SWITCH

PRESS P1 BUTTON TO TURN ON or OFF.

Please note; if a colour change LED is used with this function you will only achieve a white colour. You can connect a single colour LED and dim.

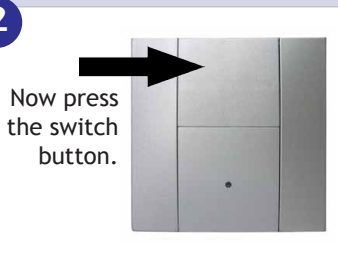
HOLD TO DIM

1



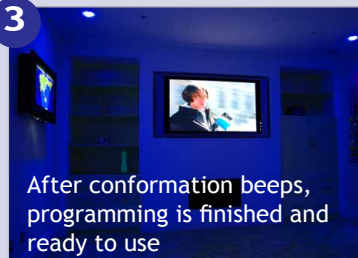
Press three times and hold.

2



Now press the switch button.

3



After conformation beeps, programming is finished and ready to use

On the Chameleon pack press button T1 three times and hold (you will hear a beep after every press), then press button P1 on the switch at the same time. This will link the chameleon pack to the switch and is now ready to use. If RGB fittings are connected, the light will emit a cool white, while single colour LEDs emit their regular colour.

OPTION D

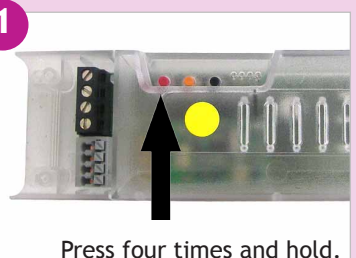
DIMMING AND SWITCHING WARM WHITE with RGB LEDs, using one of the buttons on a WIRELESS SWITCH

PRESS P1 BUTTON TO TURN ON or OFF.

Please note; When a colour change LED is used with this function you will only achieve a Warm White colour which can then be fully dimmed.

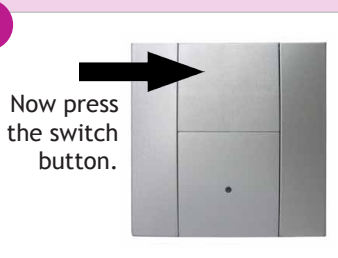
HOLD TO DIM

1



Press four times and hold.

2



Now press the switch button.

3



After conformation beeps, programming is finished and ready to use

On the Chameleon pack press button T1 four times and hold (you will hear a beep after every press), then press button P1 on the switch at the same time. This will link the chameleon pack to the switch. The chameleon is ready to use. RGB fittings will emit a Warm White light which has full dimming functions

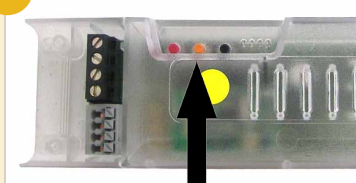
PROGRAMMING OPTIONS

OPTION E

MASTER ON / OFF BUTTON with either RGB LEDs or single colour LEDs using one of the buttons on a **WIRELESS SWITCH**

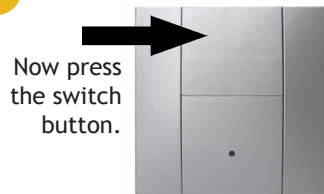
PRESS BUTTON
P1 TO TURN
ON or OFF.

1



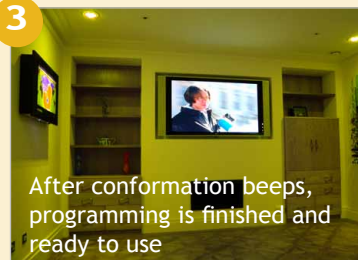
Press four times and hold.

2



Now press
the switch
button.

3

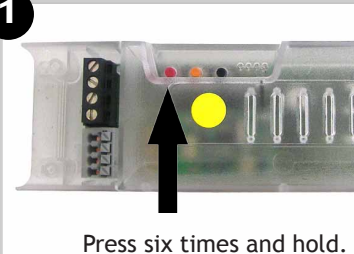


After conformation beeps,
programming is finished and
ready to use

On the Chameleon pack, press button T2 once for an 'All On' button, or twice for an 'All Off' function and then hold (you will hear a beep). Now press button P1 on the switch within 3 seconds. This will link the chameleon pack to the switch and is now ready to use. These functions are primarily used with multiple packs, and can be programmed so that more than 1 pack can turn on / off at the same time.

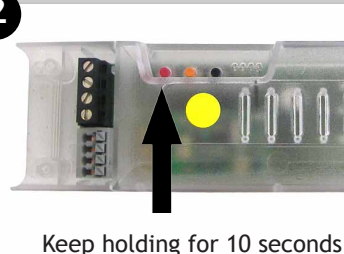
DELETING THE MEMORY from a Wise Chameleon Receiver

1



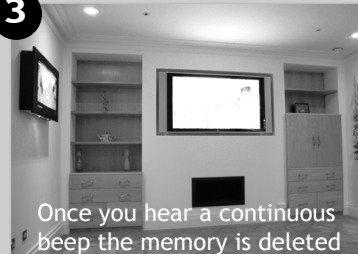
Press six times and hold.

2



Keep holding for 10 seconds

3



Once you hear a continuous
beep the memory is deleted

To delete the memory, simply press the T1 button 6 times. On the last press hold for at least 10 seconds. (The buzzer will sound intermittently) After 10 seconds, the buzzer will start making a continuous beep to show that the deletion has been successful.

EXTRA FUNCTIONS 1

Copy a switch
from 1 to another

1



Press and hold

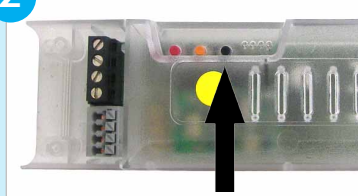
Allows you to copy 1
switch to another while
avoiding having to access
the receiver.

Remove the switch battery cover and press the middle button. Within 5 seconds, press the button you wish to copy, then press the button you wish to copy it to. An intermittent beep will sound if programming is successful.

EXTRA FUNCTIONS 2

Test button

2



Press for testing.

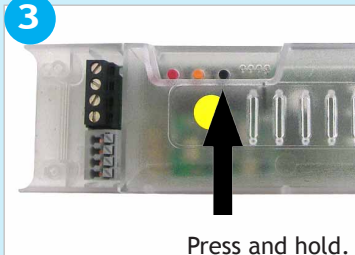
The test button allows
the lights to emit their
full colour. (RGB will be
white)

Ensure you have wired correctly before programming by pressing the T3 button. The lights will switch on fully for the period of time that the button is held down for. (maximum of 10 seconds)

EXTRA FUNCTIONS 3

Restore Preset
Colours

3



Press and hold.

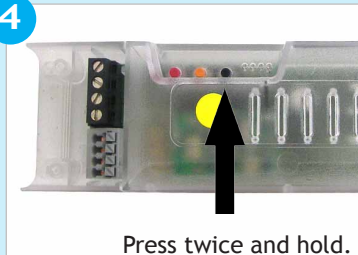
Restores preset colours
to their factory settings.

Press T3 and hold for 10 seconds. The lights will flash to show programming is successful. The preset colours will now be back to their factory settings.

EXTRA FUNCTIONS 4

Turn light
memory on / off

4



Press twice and hold.

Light memory will always
return your lights to
their previous setting
when switched back on

Press T3 twice, holding on the second press for 10 seconds. The lights will flash to show programming is successful.

RGB FITTINGS OPTIONS

LED90 / 3W (spike)



350mA

LED9030 RGB

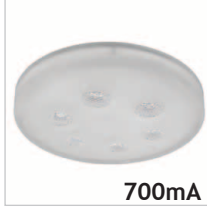
Scoop / 3W



700mA

SPECDL18WT RGB

Decor / 18W



700mA

SPECDA18W RGB

Neon Flex / 1.2W



24V

LEDLNX25 4W RGB

Phantom / 4W



350mA

AL2118 RGB

LED FITTINGS OPTIONS

Phantom / 1W



350 mA

AL2118 NB SS

Baby / 7W



700mA

UL010

Press / 1W



12V

IL85759W50 NKL

Tape 1000mm / 7W



24V

TAPE100

Nail / 0.5W



24V

AL2110

IP54 OUTDOOR BOXES

The Wise IP54 Outdoor Box is a waterproof enclosure which houses Chameleons and power supplies so that they can be positioned outside to control garden lighting. Available in all voltages with Master, Slave, Master + Slave and Slave + Slave.

If you require any assistance in determining which box you require, please speak to a member of our highly trained staff for further details / technical information.



21W

WISERGBBOX 350 M
(MASTER)
WISERGBBOX 350 M+S
(MASTER AND SLAVE)
WISERGBBOX 350 S
(SLAVE)
WISERGBBOX 350 S+S
(SLAVE AND SLAVE)



42W

WISERGBBOX 700 M
(MASTER)
WISERGBBOX 700 M+S
(MASTER AND SLAVE)
WISERGBBOX 700 S
(SLAVE)
WISERGBBOX 700 S+S
(SLAVE AND SLAVE)



90W

WISERGBBOX 12V M
(MASTER)
WISERGBBOX 12V M+S
(MASTER AND SLAVE)
WISERGBBOX 12V S
(SLAVE)
WISERGBBOX 12V S+S
(SLAVE AND SLAVE)



180W

WISERGBBOX 24V M
(MASTER)
WISERGBBOX 24V M+S
(MASTER AND SLAVE)
WISERGBBOX 24V S
(SLAVE)
WISERGBBOX 24V S+S
(SLAVE AND SLAVE)



90W

WISERGBBOX TAPE30 M
(MASTER)
WISERGBBOX TAPE30 M+S
(MASTER AND SLAVE)
WISERGBBOX TAPE30 S
(SLAVE)
WISERGBBOX TAPE30 S+S
(SLAVE AND SLAVE)

LED POWER SUPPLIES

12V

50W 12V



RS5012

Length 98mm
Width 98mm
Height 36mm

100W 12V



RS10012

Length 155mm
Width 98mm
Height 36mm

150W 12V



RS15012

Length 198mm
Width 95mm
Height 38mm

200W 12V



SP20012

Length 198mm
Width 95mm
Height 48mm

24V

25W 24V



RS2524

Length 90mm
Width 50mm
Height 29mm

50W 24V



RS5024

Length 98mm
Width 98mm
Height 36mm

100W 24V



RS10024

Length 155mm
Width 98mm
Height 36mm

150W 24V



RS15024

Length 198mm
Width 95mm
Height 38mm

200W 24V



SP20024

Length 198mm
Width 95mm
Height 48mm

320W 24V



SP32012

Length 215mm
Width 115mm
Height 50mm

ENCLOSURES

25W / 50W Enclosure



ECO-RS 25-50

LED Driver Enclosure



ECORSP 25-320

POWER SUPPLY CHART

How does it work?

To ensure that you choose the correct power supply for your Wise Chameleon, please use the chart below.

To use the chart, choose which chameleon you require and whether you require any slaves, then follow that column along until you reach a number. If using slaves then you may have the option of having a single power supply (1) to run both fittings or a power supply for each pack (2 or 3).

The power supply listed in the heading above that number is the recommended power supply.

Its that easy!!!

	RS2524	RS5024	RS10012	RS10024	RS15024	SP20012	SP20024	SP32012
	25W 24V	50W 24V	100W 12V	100W 24V	150W 24V	200W 12V	200W 24V	320W 12V
WISERGB 350mA								
MASTER	1							
+ SLAVE	2	1						
+ SLAVE (2)	3	2		1				
WISERGB 700mA								
MASTER		1						
+ SLAVE		2		1				
+ SLAVE (2)		3		2	1			
WISERGB STRIP (12V LEDS)								
MASTER			1					
+ SLAVE			2			1		
+ SLAVE (2)			3		2			1
WISERGB STRIP (24V LEDS)								
MASTER							1	
+ SLAVE							2	
+ SLAVE (2)							3	
WISERGB TAPE30 (12V LEDS)								
MASTER			1					
+ SLAVE			2			1		
+ SLAVE (2)			3					1
WISERGB TAPE30 (24V LEDS)								
MASTER							1	
+ SLAVE							2	
+ SLAVE (2)							3	

Other power supplies available. Please speak to a member of staff for further details.

Example Equation

$$1 \times \text{WISERGB 700mA MASTER} + 1 \text{ SLAVE} = 1 \times \text{RS10024 OR } 2 \times \text{RS5024}$$

IMPORTANT

These DC transformers have open terminals and we therefore strongly recommend purchasing an enclosure with every transformer.

See page 11 for more details about which enclosures to use.



WiseChameleon