

Project :	Date :
Cat. No :	Type :
Notes :	Volts :

The RGBW4C IR is a 32 channel RGB, RGBW or RGBA LED controller. It was designed to control any standard 3 or 4 channel group of LED fixtures where channel 1 is Red, channel 2 is Green, channel 3 is Blue and channel 4 is White or Amber.

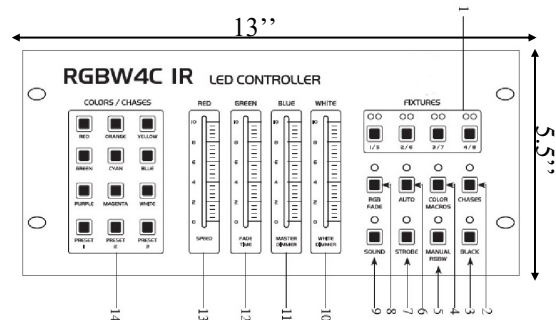
Up to 8 LED fixture or fixture groups can independently be controlled via four fixture buttons. All LED fixtures or fixture groups must be set to run in DMX mode and addressed four channels apart for independent control.

The units control panel includes 9 direct access "Static Color/Chase" buttons, which contain pre-programmed color presets and chase programs, 3 user programmable color preset buttons, 4 multi function faders that control RGBW intensities on the fly, as well as chase program "Speed", chase program "Fade time" and "Master dimmer".

There is also an array of 8 buttons used to select the operation mode, including RGB Fade, Auto Run, Color Macro, Chase, Sound active, Strobe, Manual RGBW and Blackout modes.

The RGBW4C is one of the simplest and most versatile LED controllers available today. It's ideal for D.J.'s, nightclubs, lounges, bars and anyone that wants easy control of LED Bar's, Flood's or Panel's.

- 9 static colors
- RGBW faders to create desired color
- 9 chases
- Auto, program, RGBW, chase and sound active modes
- Adjustable program and fade speed
- Adjustable sound sensitivity
- Strobing
- Blackout



XLR Pin Configuration	
Pin 1	= Ground
Pin 2	= Data Complement (negative)
Pin 3	= Data True (positive)

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3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Complement (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Pin 4 - Do Not Use
Not Used		Pin 5 - Do Not Use

RGBW4C IR Controls and Functions

- 1. FIXTURE SELECTION** - The RGBW4C IR can control up to 8 LED fixtures. Press one of the buttons and the corresponding LEDs above the button will light indicating which LED fixture can be controlled.
Example: Press the 1/5 button one time and the left LED will light indicating that fixture 1 can now be controlled. Press the button a second time and the right LED will light, indicating that fixture 5 can now be controlled. Press the button a third time and both LEDs will light, indicating that both fixtures can now be controlled. When you press the button the fourth time both LEDs will turn off, indicating that you cannot control the fixtures.
- 2. CHASE BUTTON** - Press this button to activate chase mode. Press any of the color buttons in the COLORS/CHASES grid (14) to select your desired chase.
- 3. BLACKOUT** - Activates and deactivates blackout mode
- 4. COLOR MACROS** - Press this button to activate the COLOR MACROS. The COLOR MACROS can be controlled using the following:
 - The RED/SPEED FADER (13) will create your own color to remain static.
 - The GREEN/FADE TIME FADER (12) will control the fade speed.
 - The BLUE/MASTER DIMMER FADER (11) will control the RGB LEDs intensity.
 - The WHITE/WHITE DIMMER FADER (10) will control the white LEDs intensity.
- 5. MANUAL RGBW** - Pressing this button activates manual RGBW. When this mode is active you can press any of the color buttons located in the COLORS/CHASE grid (14). You can also use the RED/SPEED FADER (13) to control the red LEDs intensity, the GREEN/FADE TIME FADER (12) to control the green LEDs intensity, etc.
- 6. AUTO PROGRAM** - Pressing this button will activate the auto program. The Auto Program can be controlled using the following:
 - The RED/SPEED FADER (13) will control the program speed.
 - The GREEN/FADE TIME FADER (12) will control the fade speed.
 - The BLUE/MASTER DIMMER FADER (11) will control the RGB LEDs intensity.
 - The WHITE/WHITE DIMMER FADER (10) will control the white LEDs intensity.
- 7. STROBE** - Activates and deactivates strobing. Use the RED/SPEED (13) fader to adjust the strobe speed.
- 8. RGB FADE** - Pressing this button activates RGB FADE.

RGBW4C IR Controls and Functions

The RGB FADE can be controlled using the following:

- The RED/SPEED FADER (13) will control the program speed.
- The GREEN/FADE TIME FADER (12) will control the fade speed.
- The BLUE/MASTER DIMMER FADER (11) will control the RGB LEDs intensity.
- The WHITE/WHITE DIMMER FADER (10) will control the white LEDs intensity.

- 9. SOUND ACTIVE MODE** - Pressing this button will activate the sound active mode, the sensitivity of the sound active mode can be adjusted using knob located on the rear of the controller. Other adjustments can be made using the following:
 - The GREEN/FADE TIME FADER (12) will control the fade speed.
 - The BLUE/MASTER DIMMER FADER (11) will control the RGB LEDs intensity.
 - The WHITE/WHITE DIMMER FADER (10) will control the white LEDs intensity.
- 10. WHITE/WHITE DIMMER FADER** - Use this fader to control the output intensity of the white LEDs.
- 11. BLUE/MASTER DIMMER FADER** - This fader has two functions.
 - This fader can be used to control the blue LEDs intensity in MANUAL RGBW MODE.
 - In AUTO PROGRAM, CHASE MODE, RGB FADE, COLOR MACROS, & SOUND ACTIVE MODE this fader will control the RGB LEDs output intensity.
- 12. GREEN/FADE TIME FADER** - This fader has two functions.
 - This fader can be used to control the green LEDs intensity in MANUAL RGBW MODE.
 - In AUTO PROGRAM, CHASE MODE, RGB FADE, COLOR MACROS, & SOUND ACTIVE MODE this fader will control the fade time.
- 13. RED/SPEED FADER** - This fader has three functions.
 - This fader can be used to control the red LEDs intensity in MANUAL RGBW MODE.
 - In AUTO PROGRAM, CHASE MODE & RGB FADE this fader will control program speed.
 - In COLOR MACROS MODE this fader will create your color to remain static.
- 14. COLORS/CHASES/PRESETS** - Press the COLOR buttons to activate desired COLOR MACROS, or when in CHASE MODE the color buttons will activate chases.
- 15. POWER SWITCH** - Accepts a DC 9V~12V, 300mA minimum, power supply.
- 16. DC INPUT** - Accepts a DC 9V~12V, 300mA minimum, power supply.
- 17. DMX OUT** - Used to send DMX signal to the compatible LED fixtures.
- 18. IR RECEIVER SENSOR INPUT** - Input for the included IR receiver sensor.
- 19. SOUND SENSITIVITY** - Use this knob to adjust the sound sensitivity.

Natech Industrie

3154 boulevard Industriel, Laval, QC, H7L 4P7 T: (450) 629-1169, F: (450) 629-1168, www.natechlighting.com, info@natechlighting.com

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Operation

Note: When the power is switched Off and then back On, the controller will return to the last operating mode.

Sound Active Mode:

1. Press the SOUND ACTIVE button and the corresponding LED above the button will light.
2. Use the SOUND SENSITIVITY knob located at the rear to adjust the sound sensitivity level.
3. Use the faders (10, 11, & 12) to adjust the LED intensity & fade time. The RED/SPEED fader (13) cannot be used in this mode.

Chase Mode:

1. Press the CHASE button and the corresponding LED above the button will light.
2. Press 1 of the 9 COLOR buttons (14) located in the Color/Chases region to activate a chase. Please see the chase chart on page 12.
3. Once your desired chase program has been selected, use the faders (10, 11, 12, & 13) to adjust the LED intensity, fade time, and chase speed.

Auto Mode:

1. Press the AUTO button and the corresponding LED above the button will light.
2. Use the faders (10, 11, 12, & 13) to adjust the LED intensity, fade time, and chase speed.

Color Macros Mode:

1. Press the COLOR MACROS button and the corresponding LED above the button will light.
2. Use the faders (10, 11, 12, & 13) to adjust the preferable static color, LED intensity, and fade time.

RGB Fade Mode:

1. Press the RGB FADE button and the corresponding LED above the button will light.
2. Use the faders (10, 11, 12, & 13) to adjust the LED intensity, fade time, and chase speed.

Manual RGBW Color Mode:

1. Press the MANUAL RGBW button and the corresponding LED above the button will light.
2. Press any of the 9 color buttons or use the RGBW faders to make your own desired color.
3. Use the faders (10, 11, 12, & 13) to adjust the LED intensities.

Preset Mode: Using these buttons you are able to save and recall a chase, color, or program.

1. To save a chase, color, or program, press 1 of the 3 PRESET button for at least 3 seconds. When all of the LEDs flash 3 times, this informs you that the save was successful.
2. To recall the saved chase, color, or program, press the corresponding PRESET button.

RGBW4C IR

Chase Chart

BUTTONS IN COLORS/CHASES REGION	CHASE MODE DESCRIPTION
RED button	Red/Green chase
ORANGE button	Green/Blue chase
YELLOW button	Red/Blue chase
GREEN button	Red/Cyan chase
CYAN button	Green/Purple chase
BLUE button	Yellow/Blue chase
PURPLE button	Red/Green/Blue/Yellow/Purple/Cyan/White chase
MAGENTA button	Red/Green/Blue/Red/Blue/ Yellow /Cyan/ Yellow chase
WHITE button	Yellow/Purple chase

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RGBW4C IR**ADJ LED RC2 Control**

The **ADJ LED RC2** infrared remote has many different functions that can help you control your RGBW4C IR. To control the RGBW4C IR, plug the included IR receiver into IR receiver input located on the rear of the controller. You must aim the remote at the IR sensor and be no more than 30 feet away.

DMX MODE - This button will let you select which fixtures to control. Press this button and then use buttons 1-8 to select your desired fixtures. The LED above the FIXTURE buttons that you have selected will light up when you have chosen that fixture.

Example: Press the DMX MODE button, then press the #7 button. The LED above FIXTURE button #7 will light up. You are now controlling fixture #7. Press the #7 button again deactivate control of fixture #7.

BLACKOUT - Pressing this button will blackout any fixture(s) being controlled at the time. When blackout is active, the LED above the BLACKOUT button will flash. Press the button again to deactivate blackout.

SELECT PROG - Pressing this button will cycle among RGBW Fade mode, Auto Run mode, Color Macros mode, Chase mode, and Manual RGBW dimmer mode. Each press of the button will switch to the next mode.

- **RGBW Fade Mode** - When the controller is set to RGBW Fade mode, the LED above the button will glow. Press the SPEED button, and use the "+" & "-" buttons to adjust the program running speed. Press the SPEED button twice to enter fade speed adjustment, and use the "+" & "-" buttons to adjust the fade speed. Press the SET ADDR button and use the "+" & "-" buttons adjust the Master Dimmer. Press the W button and use the "+" & "-" buttons to adjust the White intensity.
- **Auto Run Mode** - When the controller is set to Auto Run mode, the LED above the button will glow. Press the SPEED button, and use the "+" & "-" buttons to adjust the program running speed. Press the SPEED button twice to enter fade speed adjustment, and use the "+" & "-" buttons to adjust the fade speed. Press the SET ADDR button and use the "+" & "-" buttons adjust the Master Dimmer. Press the W button and use the "+" & "-" buttons to adjust the White intensity.

- **Color Macros Mode** - When the controller is set to Color Macros mode, the LED above the button will glow. Press the "+" & "-" buttons to find your desired static color. Press the SPEED button to enter fade speed adjustment, and use the "+" & "-" buttons to adjust the fade speed. Press the SET ADDR button and use the "+" & "-" buttons adjust the Master Dimmer. Press the W button and use the "+" & "-" buttons to adjust the White intensity.

- **Chase Mode** - When the controller is set to Chase mode, the LED above the button will glow. Press the SPEED button, and use the "+" & "-" buttons to adjust the chase speed. Press the SPEED button twice to enter fade speed adjustment, and use the "+" & "-" buttons to adjust the fade speed. Press the SET ADDR button and use the "+" & "-" buttons adjust the Master Dimmer. Press the W button and use the "+" & "-" buttons to adjust the White intensity.

- **Manual RGBW Color Mode** - When the controller is set to Manual RGBW Color mode, the LED above the button will glow. Press the R/G/B/W buttons, and use the "+" & "-" buttons to adjust each colors output intensity.

SOUND ACTIVE MODE - Press the SL/SA button to activate Sound Active mode. The LED above the button will glow indicating that you are in Sound Active mode. Use the SOUND SENSITIVITY dial on the rear of the unit to adjust the sound sensitivity. Press the SPEED button to enter fade speed adjustment, and use the "+" & "-" buttons to adjust the fade speed. Press the SET ADDR button and use the "+" & "-" buttons adjust the Master Dimmer. Press the W button and use the "+" & "-" buttons to adjust the White intensity.

PRESET MODE - In any working mode, press the A button, then press and hold either of the 1, 2, or 3 buttons for more than 3 seconds to save that scene to the corresponding PRESET button on the controller. If your save was successful all PRESET button LEDs will flash 3 times. To recall the scene press the 0 button then press the number button where your desired scene is located.

Example: Press the A button, then press the #2 button for more than 3 seconds to save the scene to PRESET button 2. If the save was successful all PRESET button LEDs will flash 3 times. To recall the scene in PRESET button 2, press the 0 button, then press the #2 button.

FLASH - Press this button to activate the strobing. The LED above the button will glow indicating that strobing is active. You can control the flash rate by pressing the "+" and "-" buttons. Press this button again to deactivate strobing.