American DJ®

ADJ DUO STATION
USER INSTRUCTIONS

The American DJ Duo Station features two controllers in one. One side is a basic 3-channel RGB LED controller, while the other side is an 8-channel On/Off switching system. The Duo Station has seperate outputs on the rear control panel so each side runs independently from the other. It's the ideal control solution for DJs, bands, small night clubs, and bars that want a simple LED control and On/Off control of effect type lights.
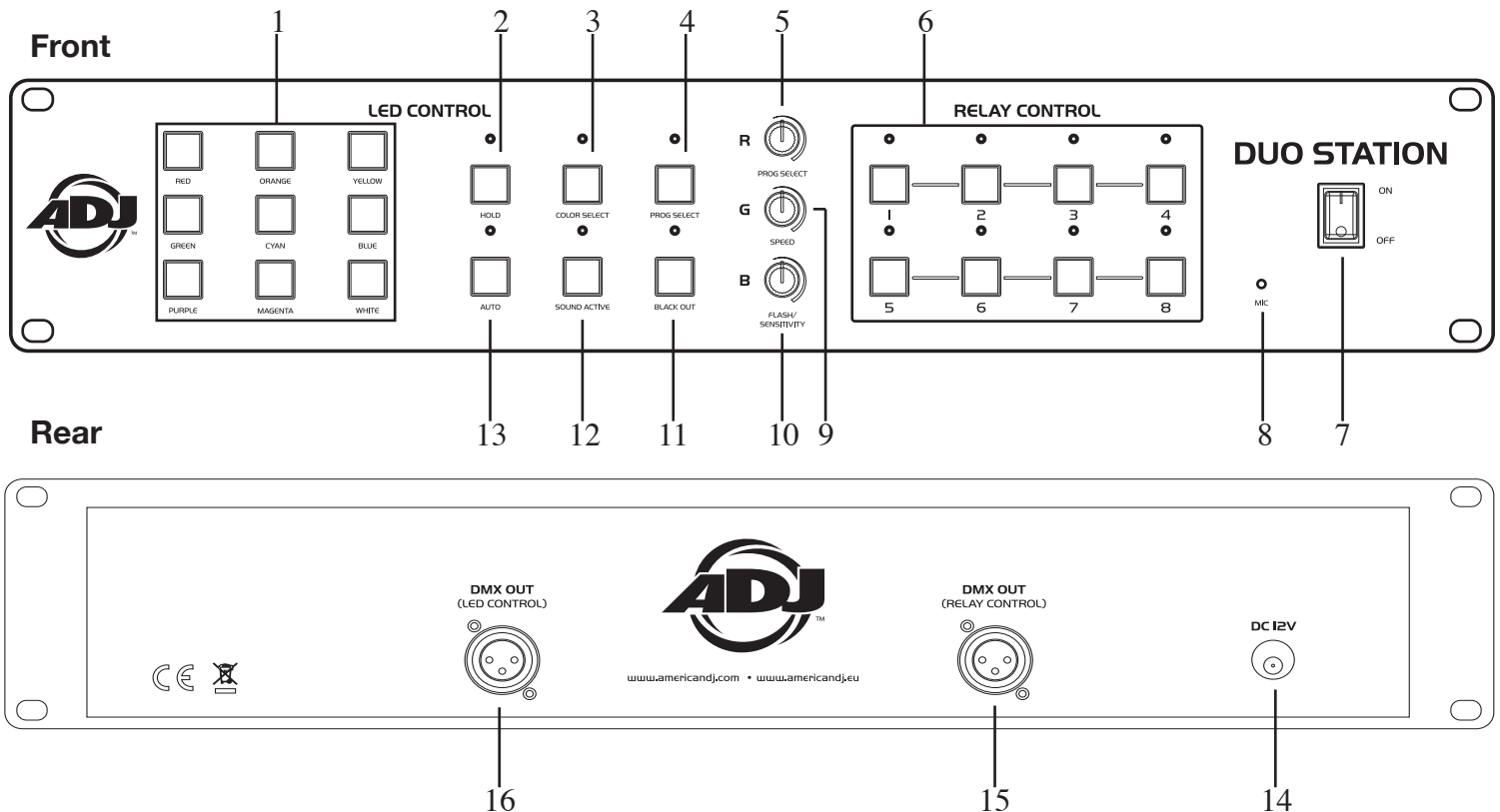
MAIN FEATURES:
LED Control Features:
• 9 Static Color Buttons
• Color Select Button
• 10 Chase Programs
• Sound Active

Relay Control Features:
• 8 On/Off Dipswitches to control channels 1-8

Duo Station Controller

Front

Rear

Controls & Functions - Front
1. STATIC COLOR - This button will let you choose a built-in color.

2. HOLD BUTTON - When this button is active all buttons and knobs will be inactive.

3. COLOR SELECT - Press this button to activate the COLOR MODE. When this mode is active you can press one or two of the 9 Color Buttons or use the knobs to create your own color to remain static.
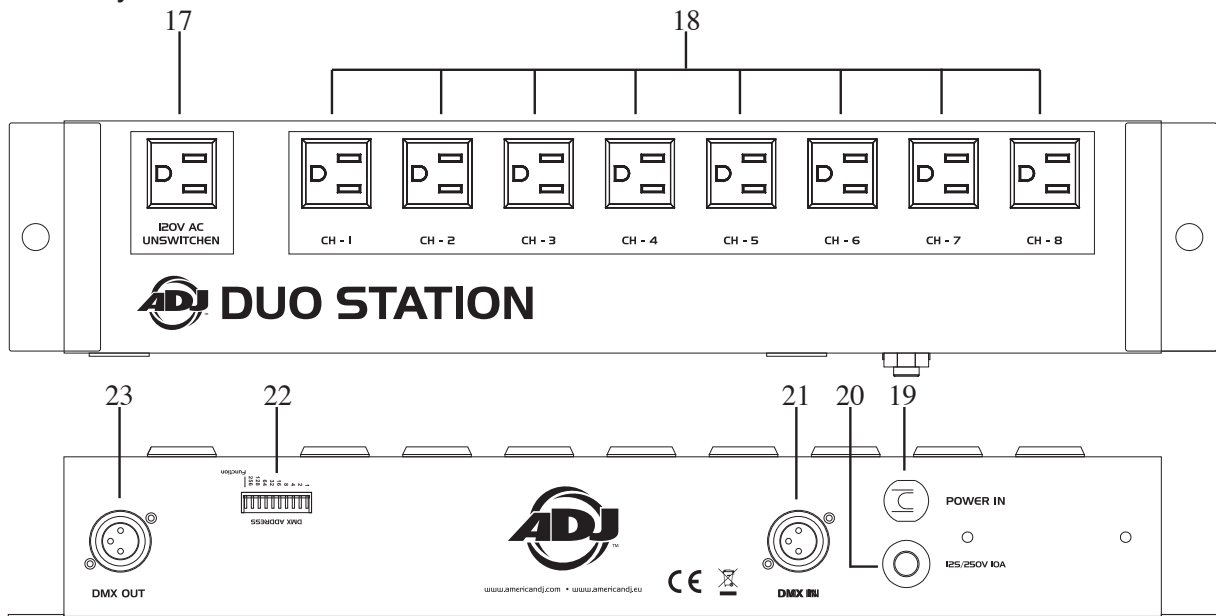
Controls & Functions - Front cont.

4. PROGRAM SELECT BUTTON - Use this button to activate the PROGRAM MODE. Use the PROGRAM SELECT KNOB (5) to search through the different programs.

5. R/PROGRAM SELECT KNOB - This knob has two functions.
    - This knob is used to control the red LEDs intensity in COLOR SELECT mode.
    - In PROGRAM SELECT MODE the knob is used to search through the different programs. The PROGRAM SELECT BUTTON must be active before you can use this knob to search through the programs.

6. RELAY CONTROL - These buttons will activate the light that is connected to the corresponding output socket. Example: If a light is connected to Relay socket number 4, pressing the number 4 Relay button will now activate the controller so that you can power the light on/off.

7. POWER SWITCH - This switch powers the controller on and off.

8. MIC - This microphone receives external low frequencies to trigger the unit in Sound-Active mode. This microphone is designed to receive low frequency sounds only, tapping on the microphone and high pitch sounds may not trigger the unit.

9. G/PROGRAM SPEED KNOB - This knob has two functions.
    - The knob can be used to control the green LEDs intensity in COLOR SELECT mode.
    - In AUTO MODE or PROGRAM SELECT MODE the knob can control the speed of the running program.

10. B/FLASH/SOUND SENSITIVITY KNOB - This knob has three functions.
    - The knob can be used to control the blue LEDs intensity in COLOR SELECT mode.
    - In AUTO MODE or PROGRAM SELECT MODE it can be used to activate strobe and control the speed of the strobe.
    - In SOUND ACTIVE MODE the knob can control the sound sensitivity.

11. BLACKOUT - Activates and deactivates blackout mode

12. SOUND ACTIVE - Pressing this button will activate the sound active mode, the sensitivity of the sound active mode can be adjusted using the B/FLASH/SENSITIVITY KNOB (10).

13. AUTO - Pressing this button will activate the auto program, the speed of the program can be adjusted using the G/SPEED KNOB (9).

Controls & Functions - Rear

14. DC INPUT - Accepts a DC 9V~12V, 300mA minimum, power supply.

15. DMX OUT (RELAY CONTROL) - This DMX Output jack is to be connected to the Duo Station Relay Pack DMX Input jack. This

16. DMX OUT (LED CONTROL) - Used to send DMX signal to the compatable LED fixtures.

Duo Station Relay Pack

17. 120V AC "CONSTANT" POWER SOCKET - This is the main power socket. This socket will always have power regardless of the dipswitches.

18. 8 x 120V AC "SWITCHED" POWER SOCKET" - These are the reserve power sockets. These will not have power until the corresponding dipswitch is put into the On position or until triggered from the Duo Station controller.

19. POWER CORD - Connect this cable to a matching power source

20. BREAKER - Resets the units power. This is a 10A breaker.

21. DMXIN (RELAY CONTROL) - Used to receive a DMX signal from either a Duo Station Controller or DMX controller.

22. DIPSWITCHES - These dipswitches are used to either set a DMX address for the relay pack or to manually control (turn on/off) the output sockets when lights are connected. Example: When a light is connected to socket 2, dipswitch #2 must be in the On position for the light to power on.

23. DMXOUT - Allows a DMX signal to pass to other DMX device (RGB Par Can) or another Duo Station relay pack.

Mode	Dip10 dip9	Dip8 dip7 dip6 dip5 dip4 dip3 dip2 dip1	Function
DMX	1 X	X X X X X X X X	DMX mode, dip1~dip9 for DMX address selection, DMX protocol as followed format
Manual Output ON/OFF	0 X	X X X X X X X X	Manual control output socket 1-8 on/off, the dip1~dip8 on/off corresponding to output 1-8 socket on/off

Remarks:1=ON 0=OFF X=changeable

Note:

1. When running the Relay pack in DMX mode, dipswitch #10 must be in the On position, and dip-switches 1-9 are used for DMX addressing.

2. When controlling the output sockets in manual control mode, dipswitches 1-8 on/off correspond to the 1-8 output sockets. The dipswitches will turn on/off the lights that are connected to the corresponding sockets.

You can control the devices individually via your DMX-controller.
Notice: The DUO STATION RELAY PACK is under slave mode in any situation of the DMX mode (any DMX address) when it is combined to other DUO STATION RELAY PACK but not 512 DMX controller.

CH No.	DMX value	Function
CH1	000~010	CLOSE(No.1 OUTPUT SOCKET)
	011~255	OPEN(No.1 OUTPUT SOCKET)
CH2	000~010	CLOSE(No.2 OUTPUT SOCKET)
	011~255	OPEN(No.2 OUTPUT SOCKET)
CH3	000~010	CLOSE(No.3 OUTPUT SOCKET)
	011~255	OPEN(No.3 OUTPUT SOCKET)
CH4	000~010	CLOSE(No.4 OUTPUT SOCKET)
	011~255	OPEN(No.4 OUTPUT SOCKET)
CH5	000~010	CLOSE(No.5 OUTPUT SOCKET)
	011~255	OPEN(No.5 OUTPUT SOCKET)
CH6	000~010	CLOSE(No.6 OUTPUT SOCKET)
	011~255	OPEN(No.6 OUTPUT SOCKET)
CH7	000~010	CLOSE(No.7 OUTPUT SOCKET)
	011~255	OPEN(No.7 OUTPUT SOCKET)
CH8	000~010	CLOSE(No.8 OUTPUT SOCKET)
	011~255	OPEN(No.8 OUTPUT SOCKET)

Listed below are the programs and the order they appear when turning the Program knob clockwise.

R/PROGRAM SELECT KNOB PROGRAMS
RED, GREEN, YELLOW 3 COLOR DREAM
BLUE, PURPLE, CYAN 3 COLOR DREAM
WHITE, RED, BLUE 3 COLOR DREAM
GREEN, BLUE, CYAN 3 COLOR DREAM
YELLOW, PURPLE, RED 3 COLOR DREAM
PURPLE, GREEN, WHITE 3 COLOR DREAM
YELLOW, CYAN, BLUE 3 COLOR DREAM
RED DREAMING
GREEN DREAMING
BLUE DREAMING
YELLOW DREAMING
PURPLE DREAMING
CYAN DREAMING
WHITE DREAMING
SEVEN COLOR JUMPING
SEVEN COLOR DREAMING
AUTO RUN
SOUND ACTIVE

The B/Strobe/Sound Sensitivity Knob has two functions. When Sound Active mode is running, the fader will control the sound sensitivity level. When Program mode or Auto mode is running the knob will activate and control strobing, if strobing is desired.

Controller Operation:
Sound Active Mode:
1. Press the SOUND ACTIVE button and the corresponding LED above the button will light.
2. Use the B/FLASH/SENSITIVITY knob to adjust the sound sensitivity level.

Auto Mode:
1. Press the AUTO button and the corresponding LED above the button will light.
2. Use the G/SPEED fader to adjust the running speed of the Auto program.
3. Use the B/FLASH/SENSITIVITY knob to activate strobe and adjust the rate of the strobe.
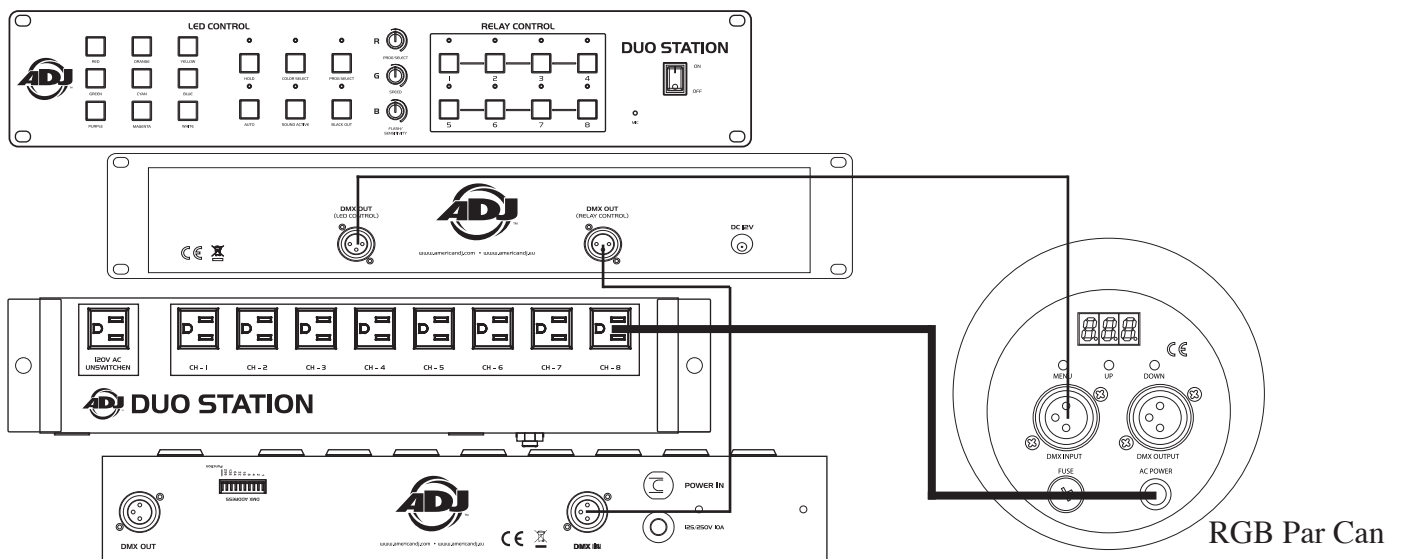
Program Select Mode:
1. Press the PROG SELECT button and the corresponding LED above the button will light.
2. Use the G/SPEED fader to adjust the running speed of the Auto program.
3. Use the B/FLASH/SENSITIVITY knob to activate strobe and adjust the rate of the strobe.

Color Mode:
1. Press the COLOR SELECT button and the corresponding LED above the button will light.
2. Press any of the 9 color buttons or use the RGB knobs to make your own desired color.

SET UP:

RGB Par Can

Model: Duo Station

CONTROLLER:

Power In:	12V 500mA
DMX Output Connector:	3-Pin XLR
Power Consumption:	3.6W
Dimensions:	19"(L) x 3.5"(W) x 3.5"(H)
	483mm x 89mm x 89mm
Weight:	3.5 Lbs. / 1.5 kgs.

RELAY PACK:

Power Sockets:	8 x 3 Prong "switched" Edison Socket (120V/60Hz)
	1x 3-Prong "Constant power: Edison socket (120V/60Hz)
	5A Max per Socket
DMX In/Output Connector:	3-Pin XLR
Power Consumption:	1200W Max. Output
Dimensions:	18.75"(L) x 3.5"(W) x 2.5"(H)
	473mm x 89mm x 63mm
Weight:	5 Lbs. / 2.25 kgs.
Warranty:	1 Year (365 Days)