

P10

WATERPROOF BATTERY PAR LIGHT

9 x RGBWAP main LEDs in a 3x 3 array + 32RGB auxiliary pixel LEDs



CONTROL MODES	DMX512, Auto, Sound, Static Color, App, IR Remote
DMX MODES	9CH / 17CH / 102CH
NETWORKING	2.4G wireless master/slave and wireless DMX
STATUS DISPLAY	Wireless signal, IR receiver, temperature and battery level

READ BEFORE USE

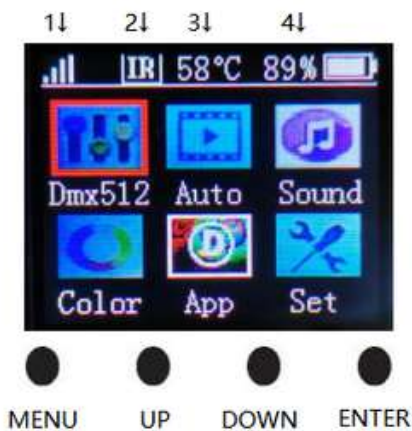
This manual explains the P10 menu system, wireless and wired control, mobile-app connection, infrared remote control, and all DMX channel modes. Confirm the selected DMX mode before connecting a controller.





1. CONTROL PANEL & MENU NAVIGATION

Use the color LCD and four front-panel buttons to configure all operating modes.



BUTTON	FUNCTION
MENU	Open the main menu or return to the previous screen.
UP / DOWN	Move through menu items and adjust the selected value.
ENTER	Open a function, select an item, or confirm a setting.

Select the required function with UP or DOWN, press ENTER, adjust the value, then press ENTER again to confirm. Press MENU to return.

ICON	STATUS INFORMATION
1	2.4G wireless DMX signal strength / activity
2	Infrared receiver status. The icon is hidden when IR reception is disabled.
3	Fixture temperature
4	Battery level

DMX512 Address and channel mode	AUTO Built-in programs	SOUND Sound-active programs
COLOR Manual and static colors	APP Wi-Fi app connection	SET Fixture preferences

2. MENU REFERENCE - DMX, AUTO & SOUND

SECTION	ITEM	RANGE / OPTION	DESCRIPTION
DMX512	Address	001-512	Sets the DMX start address.
DMX512	Channel	9CH / 17CH / 102CH	Selects the DMX personality.
Auto Mode	Auto Index	001-004	Combined automatic programs.
Auto Mode	Auto Speed	01-09	Combined automatic-program speed. Higher values run faster.
Auto Mode	Core Index	01-04	Automatic program for the 3 x 3 main LED array.
Auto Mode	Core Speed	01-09	Main-array automatic-program speed.
Auto Mode	Pixel Index	01-08	Automatic program for the 32 auxiliary pixels.
Auto Mode	Pixel Speed	01-09	Auxiliary-pixel automatic-program speed.
Sound Mode	Sound Index	01-04	Selects the sound-active program.
Sound Mode	Sensitivity	01-09	Microphone sensitivity. Higher values are more sensitive.

OPERATION TIP

For synchronized effects without a controller, configure one fixture as the master in Auto, Sound or Color mode, and set all other fixtures to DMX512 as slaves.

DMX CHECK

The selected channel mode must match the controller profile. A 9CH controller patch will not operate correctly when the fixture is set to 17CH or 102CH.

3. MENU REFERENCE - COLOR, APP & SETTINGS

SECTION	ITEM	RANGE / OPTION	DESCRIPTION
Color	Custom Color	Manual	Page 1 adjusts the RGBWAP main array. Page 2 adjusts the RGB auxiliary pixels. Press ENTER to select the color to edit.
Color	Core	00-32 00-	Main-array static color. 00 = blackout.
Color	C Strobe	09 00-32	Main-array strobe level. 00 = no strobe.
Color	BackLit	00-09	Auxiliary-pixel static color. 00 = blackout.
Color	B Strobe	Wi-Fi name	Auxiliary-pixel strobe level. 00 = no strobe.
App	LED-XXX		Network name used by the mobile app.

SETTING	RANGE / OPTION	FUNCTION
LED Brightness	1 / 2 / 3 / 4	Display/fixture brightness levels corresponding to 12.5% / 25% / 50% / 100%.
2.4G Wireless	Off / 01-07	Disables wireless or selects one of seven wireless groups.
Infrared	On / Off	Enables or disables the IR receiver.
Display Backlight	5%-100%	Adjusts LCD backlight brightness.
LCD Close Time	Always / 5 / 10 / 15 / 30 s	Turns off the LCD after the selected period of inactivity.
Restore Factory	Password 8888	Restores factory settings.
Manual	Password 6666	Factory-level color-current calibration. Adjust only when instructed by technical support.
Temperature	On / Off	Shows or hides temperature information.
Battery	On / Off	Shows or hides battery information.
Buzzer	On / Off	When enabled, the fixture beeps when an IR command is received.
Information	-	Displays fixture operating information.
QR Code Android	-	Displays the Android app download QR code.
QR Code iOS	-	Displays the iOS app download QR code.



4. 2.4G WIRELESS OPERATION

All fixtures in the same wireless system must use the same wireless group.

WIRELESS MASTER / SLAVE

Master: Run the master fixture in Auto, Sound or Color mode.
Slaves: Set every slave fixture to DMX512. The DMX address may be any value. The wireless-DMX icon flashes when a slave receives the master signal.

WIRELESS DMX CONTROLLER

Controller: Configure the wireless DMX transmitter to send on the required group.
Fixtures: Set every fixture to DMX512, enable 2.4G Wireless, and select the same group as the controller. The wireless-DMX icon flashes when data is received.

Seven wireless groups are represented by indicator colors. Use the fixture signal/group control to select the matching group.

GROUP	INDICATOR COLOR
01	Red
02	Green
03	Yellow
04	Blue
05	Magenta
06	Cyan
07	White

IMPORTANT

Wireless operation is reliable only when the master/controller and all receiving fixtures are assigned to the same group. If there is no response, check the group first, then confirm the fixture is in DMX512 mode.

5. WIRED CONTROL & MOBILE APP

WIRED MASTER / SLAVE

1. Connect all fixtures with DMX signal cables.
2. Set every fixture except the master to DMX512.
3. Run the master fixture in Auto, Sound or Color mode.

WIRED DMX CONTROLLER

1. Connect the controller and all fixtures with DMX signal cables.
2. Set every fixture to DMX512.
3. Confirm that the selected fixture channel mode matches the controller profile.

MOBILE APP CONNECTION

STEP	ACTION
1	On the master fixture, open App / WiFi Mode and press ENTER. The display shows a network name in the format LED-XXX.
2	Set every slave fixture to DMX512. The slave DMX address may be any value.
3	Set the master and all slaves to the same 2.4G wireless group.
4	Open the phone Wi-Fi settings and connect to LED-XXX (XXX is a random letter/number combination).
5	Open the app to control the master and all linked slave fixtures.

CONNECTION NOTE

The phone connects directly to the fixture Wi-Fi network. Internet access may be unavailable while connected to LED-XXX; this is normal.



6. DMX512 CHANNELS - 9CH MODE

Direct control of the six main-array colors and the three auxiliary-pixel colors.

CH	FUNCTION	VALUE	DESCRIPTION
CH1	Main Red	0-255	Main-array red dimming
CH2	Main Green	0-255	Main-array green dimming
CH3	Main Blue	0-255	Main-array blue dimming
CH4	Main White	0-255	Main-array white dimming
CH5	Main Amber	0-255	Main-array amber dimming
CH6	Main Purple	0-255	Main-array purple dimming
CH7	Auxiliary Red	0-255	All auxiliary pixels: red dimming
CH8	Auxiliary Green	0-255	All auxiliary pixels: green dimming
CH9	Auxiliary Blue	0-255	All auxiliary pixels: blue dimming

BEST FOR

Simple color mixing, installations that require a compact controller footprint, and applications where every auxiliary pixel uses the same RGB value.

VALUE SCALE

0 = off. 255 = full output. Intermediate values provide proportional dimming.

7. DMX512 CHANNELS - 17CH MODE (1 OF 2)

Program selection, global intensity, strobe and independent main/auxiliary effects.

CH	FUNCTION	VALUE	DESCRIPTION
CH1	Master Dimmer	0-255	Overall brightness; higher values are brighter.
CH2	Master Strobe	0-255	Overall strobe speed; higher values are faster.
CH3	Mode Select	0-9	Manual dimming mode.
CH3	Mode Select	10-39	Independent Auto mode.
CH3	Mode Select	40-159	Combined programs; each block of 30 values selects one program.
CH3	Mode Select	160-255	Sound-active mode.
CH4	Mode Speed	0-255	Combined-program speed; higher values are faster.
CH5	Main Independent Mode	0-9	Blackout (active when CH3 = 10-39).
CH5	Main Independent Mode	10-169	Main-array static colors; each block of 5 values selects one effect.
CH5	Main Independent Mode	170-209	Main-array color jump; each block of 10 values selects one effect.
CH5	Main Independent Mode	210-255	Main-array sound programs; each block of 10 values selects one effect.
CH6	Main Mode Speed	0-255	Main independent-mode speed; higher values are faster.
CH7	Aux Independent Mode	0-9	Blackout (active when CH3 = 10-39).
CH7	Aux Independent Mode	10-169	Auxiliary static colors; each block of 5 values selects one effect.
CH7	Aux Independent Mode	170-209	Auxiliary color jump; each block of 5 values selects one effect.
CH7	Aux Independent Mode	210-255	Auxiliary sound programs; each block of 10 values selects one effect.
CH8	Aux Mode Speed	0-255	Auxiliary independent-mode speed; higher values are faster.



8. DMX512 CHANNELS - 17CH MODE (2 OF 2)

Manual color channels are active when CH3 is set to 0-9.

CH	FUNCTION	VALUE	DESCRIPTION
CH9	Main Red	0-255	Main-array red dimming Main-
CH10	Main Green	0-255	array green dimming Main-
CH11	Main Blue	0-255	array blue dimming Main-
CH12	Main White	0-255	array white dimming Main-
CH13	Main Amber	0-255	array amber dimming Main-
CH14	Main Purple	0-255	array purple dimming
CH15	Auxiliary Red	0-255	Auxiliary-pixel red dimming
CH16	Auxiliary Green	0-255	Auxiliary-pixel green dimming
CH17	Auxiliary Blue	0-255	Auxiliary-pixel blue dimming

CH3 RANGE	ACTIVE CONTROL
0-9	Manual color: CH9-CH17
10-39	Independent main/auxiliary effects: CH5-CH8
40-159	Combined program selection and speed: CH4
160-255	Sound-active programs

PROGRAMMING TIP

Set CH3 first. The function of the remaining channels depends on the selected CH3 range. When troubleshooting, verify CH3 before adjusting color or speed channels.

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9. DMX512 CHANNELS - 102CH MODE

Full individual RGB control of all 32 auxiliary pixels, plus the six main-array colors.

CHANNELS	FUNCTION	VALUE	DESCRIPTION
CH1-CH6	Main array RGBWAP	0-255	CH1 Red, CH2 Green, CH3 Blue, CH4 White, CH5 Amber, CH6 Purple
CH7-CH9	Auxiliary Pixel 1 RGB	0-255	CH7 Red, CH8 Green, CH9 Blue
CH10-CH12	Auxiliary Pixel 2 RGB	0-255	Red, Green, Blue
...	Pixels 3-31	0-255	Three consecutive channels per pixel: Red, Green, Blue
CH100-CH102	Auxiliary Pixel 32 RGB	0-255	CH100 Red, CH101 Green, CH102 Blue

PIXEL CHANNEL FORMULA

COLOR	CHANNEL FOR PIXEL n
Red	$CH = 7 + 3 \times (n - 1)$
Green	$CH = 8 + 3 \times (n - 1)$
Blue	$CH = 9 + 3 \times (n - 1)$

EXAMPLE

Pixel 10 uses CH34 (Red), CH35 (Green) and CH36 (Blue). Pixel 32 uses CH100-CH102.

BEST FOR

Pixel-mapped chases, ring effects and complex programming where each auxiliary LED must be controlled independently.



10. INFRARED REMOTE & APP QR CODES

INFRARED REMOTE



DJ LINK LIGHT APP



DJ LINK LIGHT



CONTROL GROUP	AVAILABLE BUTTONS
Power / Brightness	Brightness up, brightness down, OFF and ON
Direct Colors	R, G, B, W, A and UV/Purple
Programs	AUTO, STROBE, FADE and SOUND
Selection	0 and numeric buttons 1-9

The exact effect assigned to a numeric button depends on the fixture program. Enable Infrared in the Settings menu before using the remote.

For app installation, scan the Android or iOS QR code displayed in the fixture menu, or use the QR codes shown above. Connect the phone to LED-XXX before opening the app.

QUICK START	ACTION
Standalone	Select Auto, Sound or Color mode.
DMX	Select 9CH, 17CH or 102CH, set the address, then connect the controller.
Wireless slave	Set DMX512 and match the master wireless group.
App	Open App/WiFi Mode, connect to LED-XXX, then open the app.

