THRILL Compact PAR 64 LED

User Guide

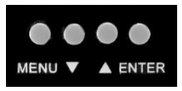
Martin® by HARMAN

WARNING!
Read the *Safety and Installation Guide* supplied with this product before installing or using this product.

Fixture overview

1	Multi-function bracket	7	AC Mains out
2	LED emitters	8	DMX In
3	Hand wheel	9	Secondary attachment point
4	IR receiver	10	User interface
5	AC Mains in	11	DMX Out
6	Microphone	12	Clamp attachment point

Using the control menu



The control menu is shown below. To access the menu, press the MENU button. Scroll through options with the ▼ (down) and ▲ (up) buttons. Press ENTER to select an option. To return to a higher level in the menu, press MENU. To exit the menu, press and hold MENU or wait a few seconds.

The default menu settings are shown in **bold**.

Menu	Sub-menu		Explanation
Addr	001-507		Set DMX address
ChAn	**6 Ch**		Select 6-channel DMX mode
	9 Ch		Select 9-channel DMX mode
MASL	SLAv		Set Slave fixtures
	MASt		Set Master fixture
ShOU	Sh-		
	oFF		Show mode off
	Sh 1		Select preprogrammed show.
	Sh 2		
	Sh 3		
	Sh 4		
	SPEd		Select auto-trigger speed from 1-8
SoUn	**oFF - on**		Toggle sound activation on/off
SEnS	1-100		Set microphone sensitivity
dMH	**bLCH**		Black out if DMX lost
	SHoU		Run stand-alone show mode
	HoLd		Hold last values if no DMX
di SP	LEd	**on -oFF**	Toggle display on/off
	inur	YES	Inverted/normal display
MAnu	Stro		Manual mode, select effect and set level from 0 to 255.
	diMM		
	rEd		
	grEE		
	bLuE		
	AMbE		
	UHITE		
	Uv		
	CONA		
tESt			Run fixture test routine
FhrS			Readout fixture hours
vEr			Readout firmware version
rSt	YES		Reset to default values

DMX mode operation and settings

DMX channel mode (ChAn)

The Compact PAR 64 LED has 2 DMX modes that use 6 or 9 channels. The 6-channel mode provides color mixing with 0-100% control of each color: red, blue green, amber, white, and UV.

In 9-channel mode, the Compact PAR 64 LED provides color mixing, 36 popular preset colors, full-range dimming, and strobe effects. The DMX command tables list all functions and their values.

To set 6-channel or 9-channel DMX mode:

1. Press MENU to enter the control menu.
2. Scroll to ChAn. Press ENTER to confirm.
3. Scroll to the desired mode: 6 Ch or 9 Ch.
4. Press ENTER to save your selection.

DMX address (Addr)

A DMX controller uses either 6 or 9 DMX channels to control the Compact PAR 64 LED. The DMX address is the first channel used. If fixtures are set to 6-channel DMX mode and the first fixture's DMX address is set to 1, then it receives instructions on DMX channels 1, 2, 3, 4, 5, and 6. The next fixture could then be set to a DMX address of 7.

For independent control, each fixture must have its own unique control channels. For symmetric control, identical fixtures can be set to the same DMX address.

Assign an address for the fixture on the DMX controller. Then set that address on the Compact PAR 64 LED as follows:

1. Press MENU to enter the control menu.
2. Scroll to Addr. Press ENTER.
3. Scroll to the address that you assigned to the fixture.
4. Press ENTER to save the address.

DMX state (dMH)

The fixture runs in DMX mode whenever it receives DMX signals. When there is no DMX signal, the fixture can be set to run in Show Mode (SHoU), black out (bLCH), or hold the last DMX values received (HoLd). **For Show Mode operation, DMX state must be set to SHoU.**

To select behavior when there is no DMX signal:

1. Select dMH in the control menu and press ENTER.
2. Select the desired behavior: SHoU, bLCH, or HoLd.
3. Press ENTER to save your selection.

DMX commands, 6-Channel Mode

Ch.	Value	Function
1	0-255	Red 0-100%
2	0-255	Green 0-100%
3	0-255	Blue 0-100%
4	0-255	Amber 0-100%
5	0-255	White 0-100%
6	0-255	UV 0-100%

DMX commands, 9-Channel Mode

Ch.	Value	Function
1		**Shutter**
	0-7	Closed
	8-15	Open
	16-131	Strobe, slow to fast
	132-139	Open
	140-181	Pulse, fast close/slow open
	182-189	Open
	190-231	Pulse, slow close/fast open
	232-239	Open
	240-247	Random strobe
	248-255	Open
2	0-255	**Dimmer**, intensity 0-100%
3	0-255	**Red**, intensity 0-100%
4	0-255	**Green**, intensity 0-100%
5	0-255	**Blue**, intensity 0-100%
6	0-255	**Amber,** 0-100%
7	0-255	**White,** 0-100%
8	0-255	**UV,** 0-100%
9		**Color presets**
	0-10	Off
	11-15	Color 1
	16-20	Color 2
	21-25	Color 3
	26-30	Color 4
	31-35	Color 5
	36-40	Color 6
	41-45	Color 7
	46-50	Color 8
	51-55	Color 9
	56-60	Color 10
	61-65	Color 11
	66-70	Color 12
	71-75	Color 13
	76-80	Color 14
	81-85	Color 15
	86-90	Color 16
	91-95	Color 17
	96-100	Color 18
	101-105	Color 19
	106-110	Color 20
	111-115	Color 21
	116-120	Color 22
	121-125	Color 23
	126-130	Color 24
	131-135	Color 25
	136-140	Color 26
	141-145	Color 27
	146-150	Color 28
	151-155	Color 29
	156-160	Color 30
	161-165	Color 31
	166-170	Color 32
	171-175	Color 33
	176-180	Color 34
	181-185	Color 35
	186-190	Color 36
	191-192	Off (no preset color)
	193-214	Continuous color scroll, fast to slow
	215-221	Color scroll stop
	222-243	Reverse color scroll, slow to fast
	244-247	Random colors, fast
	248-251	Random colors, medium
	252-255	Random colors, slow

Show mode operation and settings

Show mode lets you run a standalone light show without a DMX controller. Shows can be triggered by sound, or automatically triggered at eight speeds.

To enable Show Mode operation, set the DMX state setting to SHoU.

Show selection (ShOU)

Four shows are available. To select a preprogrammed show:

1. Press MENU to enter the control menu.
2. Scroll to ShOU and press ENTER.
3. Select Sh_ and press ENTER.
4. Select a show from Sh 1 to Sh 4, or select oFF to disable Show Mode. Press ENTER.

Music trigger (SoUn and SEnS)

The fixture's built-in microphone triggers effect and color changes in sync with music. To enable sound activation:

1. Select SoUn in the control menu and press ENTER.
2. Select on to enable sound activation or oFF to disable it.
3. Press ENTER to save your selection.

To adjust microphone sensitivity for the volume of the music:

1. Turn on the music source and set it to the desired volume.
2. Select SEnS in the control menu and press ENTER.
3. Press ▼ or ▲ to decrease or increase the sensitivity level.
4. When the fixture responds as desired, press ENTER.

Auto trigger speed (SPEd)

To use auto trigger in Show Mode:

1. Turn off sound activation as described above.
2. Select ShOU in the control menu and press ENTER.
3. Scroll to SPEd. Press ENTER.
4. Select a trigger speed from 1 (slow) to 8 (fast). Press ENTER.

Master/slave mode operation and settings

Up to 32 Compact PAR 64 LEDs can be linked in a chain and set to master/slave operation, where the first Compact PAR 64 LED in the chain is set to operate as the "master" that controls the others. This provides synchronized operation without a controller.

Note: **There must be no more than one master in the chain.** Set all other connected fixtures to operate as slaves.

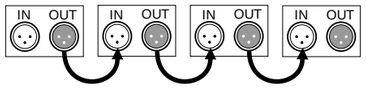
To set the first fixture to be the master:

1. Enter the control menu and scroll to MASL. Press ENTER.
2. Scroll to MASt. Press ENTER.
3. Set show mode options as described above.

To set other fixtures as slaves:

1. Enter the control menu and scroll to MASL. Press ENTER.
2. Scroll to SLAv. Press ENTER.

Link the master and slave fixtures in a chain, using DMX cable to connect each fixture's DMX OUT socket to the next fixture's DMX IN socket as described in the Safety and Installation Guide.



Other settings

LED display on/off (LEd)

To set the control panel's LED display to be on all the time, or to automatically sleep when not in use:

1. Select di SP in the control menu and press ENTER.
2. Select LEd and press ENTER.
3. Select on (display on) or oFF (display off when not in use).
4. Press ENTER to save your selection.

LCD display inversion (I nur)

To invert the control panel's LED display for easier reading:

1. Select d iSP in the control menu and press ENTER.
2. Select I nur and press ENTER.
3. Select YES to invert the display.
4. Press ENTER to save your selection or MENU to escape.

Manual mode (MAnu)

Effects can be set from the control panel. To keep the effect settings, do not exit the menu.

See the 9-channel mode DMX table for command values. To set effects from the control panel:

1. Enter the control menu and scroll to MAnU. Press ENTER.
2. Scroll to the color or effect to adjust. Press ENTER.
3. Press ▼ or ▲ to specify a value from 0 to 255 for the effect.
4. Press ENTER to set the effect.
5. Press MENU and repeat for the other colors or effects.

Auto test (tESt)

To test all of the fixture functions select tESt and press ENTER. Press MENU to exit the test routine.

Fixture readouts

Hours: To display the fixture's total operating hours select FHrS and press ENTER. Press MENU to exit.

Firmware: To display the firmware version number, select uEr and press ENTER. Press MENU to exit.

Settings reset

To return all user settings to the factory default values, select rSt in the control menu. Press ENTER to confirm or MENU to escape.

Remote control operation

The remote control works with all Compact PAR 64 LED fixtures within range.

To operate the Compact PAR 64 LED with the remote control:

1. Verify that the fixture is not connected to a DMX controller.
2. Press MENU to enter the control menu.
3. Scroll to ShOU and press ENTER.
4. Select Sh_ and press ENTER.
5. Select oFF to disable Show Mode. Press ENTER.
6. To execute commands, point the remote control towards the front of the fixture and the press corresponding button. See table below.

Remote Control Commands

Button	Function
BL	Toggle LEDs on/off
SP	Adjust speed (4 levels). Use with JU, FA, and SU.
☼	Dimming (4 levels)
FL	Strobe (4 speeds)
R	Adjust Red intensity (off, 4 levels)
G	Adjust Green intensity (off, 4 levels)
B	Adjust Blue intensity (off, 4 levels)
W	Adjust White intensity (off, 4 levels)
A	Adjust Amber intensity (off, 4 levels)
UV	Adjust UV intensity (off, 4 levels)
JU	Jump Mode – snaps thru pre-programmed colors. Adjust speed with SP.
FA	Fade Mode – Fades thru pre-programmed colors. Adjust speed with SP.
AU	Auto-trigger mode.
SU	Music-triggered Sound Mode. Adjust sensitivity level with SP.
CM+	Next color
CM-	Previous color

Replacing the wireless remote control battery

The wireless remote control uses a single CR 2025 coin/button/cell 3 V lithium battery. To replace the battery:

1. Depress the battery tray lock on the reverse of the remote control and slide out the battery tray. Remove the old battery.
2. Insert a fresh battery with the positive terminal towards the back of the remote. A diagram on the remote control indicates the correct orientation.
3. Align the battery tray to the remote control and re-insert the tray ensuring that the locking mechanism is secure.
4. Dispose of used batteries in accordance with local regulations.

If the coin/button/cell battery compartment does not close securely, stop using the product and keep away from children and animals. Contact Martin Professional for service and support.

Troubleshooting

Symptom	Potential Causes	Remedies
No light from fixture, control panel dead	Power supply issue such as blown fuse, faulty connector or damaged cable	Ensure that the mains supply is connected and supplying power to the fixture
		Check all power connections and cables
		Check and if necessary replace the fuse
Fixture does not respond to DMX control	Fault in the DMX network due to connector or cable damage, incorrect DMX addressing, or signal interference	Ensure that fixture's DMX address matches address set on DMX control device
		Check DMX cables and connections
		Ensure that DMX link is terminated
		Reduce number of fixtures on DMX link
		Attempt to control the fixture with another DMX control device
		Move or shield link if it is close to unshielded high-voltage cables
Fixture does not respond in Show Mode	Fixture set to run as slave	Change master/slave setting master
	Sound trigger disabled	Enable sound trigger
	Show Mode disabled or no show selected	Change DMX state setting to Show Mode Select a show
	Microphone sensitivity too low	Increase sensitivity SEtt inG
Fixtures don't respond in master/slave mode	Fixture receiving multiple control signals	Disconnect or turn off DMX controller
		Verify there is only one fixture master fixture
	No master fixture	Set first fixture in chain as master
Fixture does not respond to remote control	Remote control out of range	Move closer to fixture
	Battery exhausted	Replace battery
	Incorrect menu settings	Verify show mode is disabled (Sh- = oFF)

Information subject to change without notice. HARMAN Professional Inc. disclaims liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document.

©2017 HARMAN Professional Inc. All rights reserved. Martin® is a registered trademark of HARMAN Professional Inc. registered in the United States and other countries. Features, specifications, and appearance are subject to change without notice.

HARMAN Professional Inc.
8500 Balboa Boulevard • Northridge, CA, USA • 91329
www.martin.com

Document revision: **B**