IR Remote Control operations

The fixture must be configured only by using AL1321 IR remote control (sold separately) or via any DMX-RDM compatible controller.

LOGIN		1 2 3	**5' inactivity = Automatic LOGOUT**	FLASH = OK
DMX MODE	DMX MODE SETTING		Enter the corresponding "IR" value (see DMX chart, Mode column) to select the desired DMX mode (e.g. : for Mode #1, IR=4, press button 4).	FLASH FLASH = OK
	TV/♫ DMX ADDRESS SETTING		001~512	FLASH FLASH FLASH = OK
MASTER SATELLITE AUTOMATIC MODE TO BE USED ONLY WITH DMX MODE #1	AV AUTOMATIC/MASTER	Green-Cyan-Blue-Magenta-Red-Yellow-White.	P+ / P-	5"→10"→20"→ 40" / 40"→ 20"→ 10"→ 5"
	SATELLITE FIXTURE SETTING		001	FLASH FLASH FLASH = OK
FIXED COLOR MODE (RGB-RGBW-DW) TO BE USED ONLY WITH DMX MODE #1	TV		**RGB** 1 = RED 2= GREEN 3 = BLUE **DW** 4 = COLD WHITE 5 = WARM WHITE **RGBW** 1 = RED 2= GREEN 3 = BLUE 4 = WHITE	+ / -	0%→100% / 100%→0%
DIMMER MODE (Monochromatic) TO BE USED ONLY WITH DMX MODE #1		→			
LOGOUT	OK		1		
RESET	OK		7 8 9		Reset to default settings
WIRELESS	⏻		1 = Unlink 2= Wireless LED status ON 3= Wireless LED status OFF		

[1] WARNING ! in this mode, no other DMX control device must be present along the line.
[2] Only on wireless fixtures

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RGBW

Mode	Channel	Function	Value
#1 IR=4	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% White	0-255
#2 IR=5	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% White	0-255
	5	0→100% Dimmer	0-255
#3 IR=6	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% White	0-255
	5	0% Dimmer	0-5
		100-0% Dimmer	6-250
		100% Dimmer	251-255
	6	No Strobo	0-5
		0-100% Strobo	6-250
		100% Strobo	251-255
#4 IR=7	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% White	0-255
	5	NO FUNCTION	0-5
		2700K	6-7
		2700K→3000K	8-40
		3000K	41-42
		3000K→3500K	43-75
		3500K	76-77
		3500K→4000K	78-110
		4000K	111-112
		4000K→4500K	113-145
		4500K	146-147
		4500K→5000K	148-179
		5000K	180-181
		5000K→5500K	182-214
		5500K	215-216
		5500K→6000K	217-249
		6000K	250-255
	6	0→100% Dimmer	0-255
#5 IR=8	1	0-100% Red	0-255
	2	0-100% Red	0-255
	3	0-100% Green	0-255
	4	0-100% Green	0-255
	5	0-100% Blue	0-255
	6	0-100% Blue	0-255
	7	0-100% White	0-255
	8	0-100% White	0-255

Mode	Channel	Function	Value
#6 IR=9 (Default)	1	0-100% Red	0-255
	2	0-100% Green	0-255
	3	0-100% Blue	0-255
	4	0-100% Calibrated White (affects RGB channels)	0-255
Note: in absence of DMX signal the LEDs will remain **OFF**.			

DW (Dynamic White)

Mode	Channel	Function	Value
#1 IR=2 (Default)	1	0%→100% Warm white	0-255
	2	0%→100% Cold White	0-255
#2 IR=3	1	0%→100% Warm white	0-255
	2	0%→100% Cold white	0-255
	3	0%→100% dimmer	0-255
#3 IR=3	1	0%→100% Warm white	0-255
	2	0%→100% Warm white fine	0-255
	3	0%→100% Cold white	0-255
	4	0%→100% Cold White fine	0-255
Note: in absence of DMX signal the LEDs will remain **ON**.			

Monochromatic version

Channel	Function	Value
1	0%→100% dimmer	0-255
Note: in absence of DMX signal the LEDs will remain **ON**.		

RDM functions

When operating in DMX mode the fixture can accept the following RDM commands:

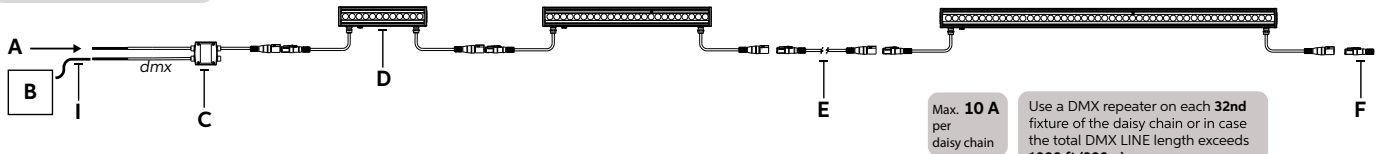
- Discovery: upon request of the RDM controller, the fixture signal its own presence (the RDM controller will display the fixture on a list).
- DMX address reading and setting.
- Channels number reading and setting.
- On / Off identification: this command is used to identify the fixture you want to get access to (the identification happens by switching on all the LEDs at full intensity).
- Manufacturer: it displays the name of the manufacturer (Griven).
- Model description: it displays the fixture's model.
- Software version description: it displays the current version of the firmware.
- Temperature: it displays the LEDs operating temperature value.

Command #	Description
1	Off
2	Up (Fade rate)
3	Down (Fade rate)
4	Step Up (Increment arc power level)
5	Step Down (Decrement arc power level)
6	Recall MAX level
7	Recall MIN level
8	Step down and off (Decrement arc power level if at min level turn down)
16...31	Go to scene 0...15
32	Reset (DALI factory default parameters)
33	Store actual level in the DTR
42	Store DTR as MAX level
43	Store DTR as MIN level
45	Store DTR as Power On level
46	Store DTR as Fade Time
47	Store DTR as Fade Rate
64-79	Store DTR as Scene 0...15
80-95	Remove from Scene 0...15
96...111	Add to Group 0...15
112...127	Remove from Group 0...15
128	Store DTR as Short Address
144	Query Status
145	Query Ballast
151	Query Version Number
152	Query Content DTR
153	Query Device Type
154	Query Physical Minimum Level
155	Query Power Failure
160	Query Actual Level
161	Query Max level
162	Query Min level
163	Query Power On level
164	Query System Failure level
165	Query Fade Time/Fade Rate
176...191	Query Scene level
192	Query Groups 0...7
193	Query Groups 8...15
194	Query Random Address High
195	Query Random Address Middle
196	Query Random Address Low

DALI version: 1, Device Type: 6(LED), Physical Min Level: 1 (0.1%)

Configuration examples

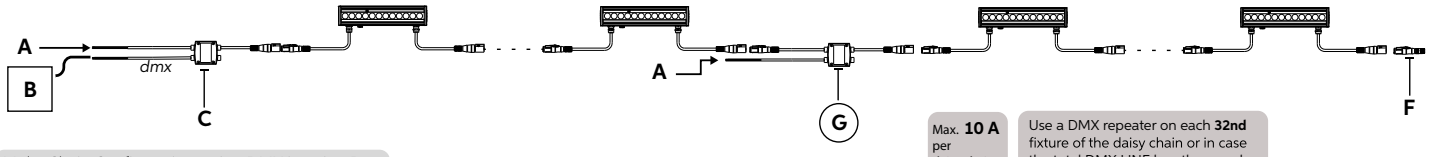
Single Chain Configuration



Max. **10 A** per daisy chain

Use a DMX repeater on each **32nd** fixture of the daisy chain or in case the total DMX LINE length exceeds **1000 ft (300m)**

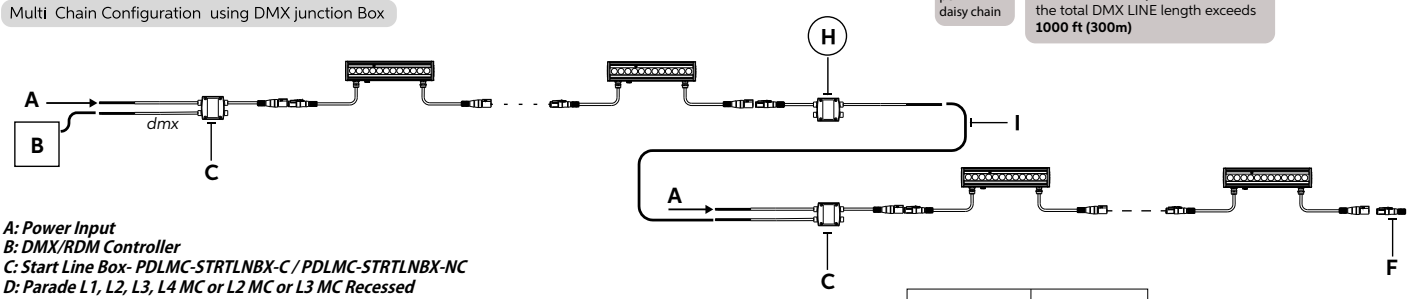
Multi Chain Configuration using Repower Box



Max. **10 A** per daisy chain

Use a DMX repeater on each **32nd** fixture of the daisy chain or in case the total DMX LINE length exceeds **1000 ft (300m)**

Multi Chain Configuration using DMX junction Box

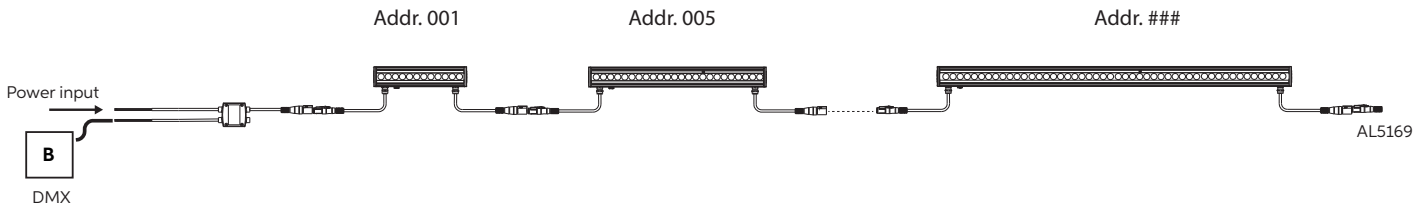


A: Power Input
B: DMX/RDM Controller
C: Start Line Box- PDLMC-STRTLNBX-C / PDLMC-STRTLNBX-NC
D: Parade L1, L2, L3, L4 MC or L2 MC or L3 MC Recessed
E: Connection Cable- PDLMC-CBL-1M, PDLMC-CBL-2M, PDLMC-CBL-3M, PDLMC-CBL-5M, PDLMC-CBL-10M
F: DMX Terminator- PDLMC-DMXTRMNTR
G: Repower Box- PDLMC-RPWRBX-C / PDLMC-RPWRBX-NC
H: DMX Junction Box- PDLMC-DMXJB-C / PDLMC-DMXJB-NC
I: DMX Cable

CE Colours	USE
Brown	Live
Blue	Neutral
Yellow/Green	Ground
Red	DMX Data +
Black	DMX Data -
White	DMX GND

Operating modes

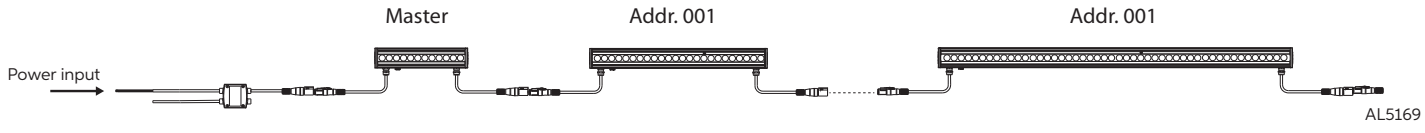
DMX Mode



Example with fixtures set at 4 DMX channels

Master-Satellite / Automatic / Fixed color Mode

(Only DMX Mode #1)



WARNING ! in this mode, no other DMX control device must be present along the line.

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