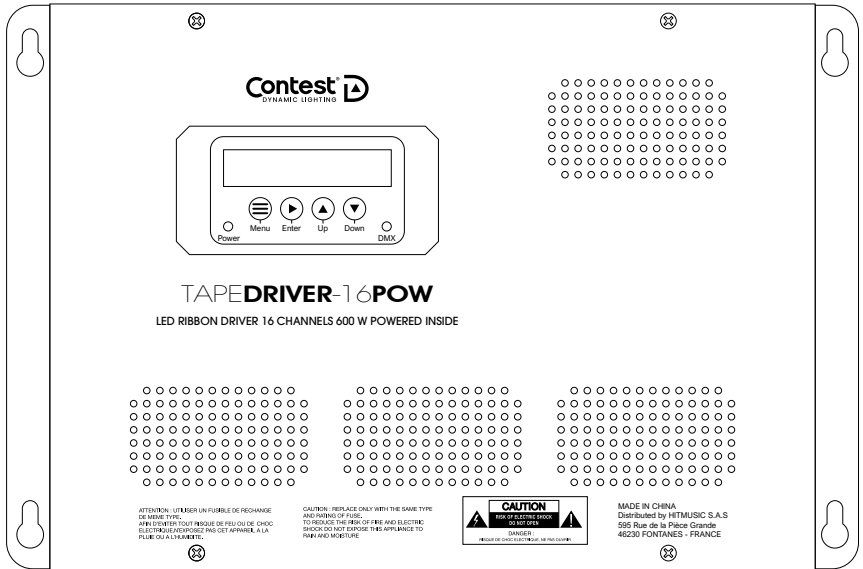


DRIVER DMX RDM 600 W



TAPE DRIVER-16 POW

1 - Safety information

Important safety information



This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.

Symbols used



This symbol signals an important safety precaution.



The WARNING symbol signals a risk to the user's physical integrity.

The product may also be damaged.



The CAUTION symbol signals a risk of product deterioration.

Instructions and recommendations

1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage.

5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations.

6 - Installation :

We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools.

Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

7 - Ventilation :

The cooling vents ensure a safe use of this product, and avoid any overheating risk. Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never be operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose.

8 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

WARNING : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

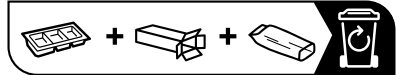


In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.

Recycling your device



- As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.



9 - Electric power supply :

This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

10 - Power cords protection:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.

11 - Cleaning precautions :

Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

12 - Long periods of non use :

Disconnect the unit's main power during long periods of non use.

13 - Liquids or objects penetration :

Do not let any object penetrate this product as it may result in electric shock or fire. Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

14 - This product should be serviced when :

- Please contact the qualified service personnel if :
- The power cord or the plug has been damaged.
 - Objects have fallen or liquid has been spilled into the appliance.
 - The appliance has been exposed to rain or water.
 - The product does not appear to operate normally.
 - The product has been damaged.

15 - Inspection/maintenance :

Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

16 - Operating environment :

Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).
Do not operate this product in a non-ventilated, very humid or warm place.

2 - Introduction

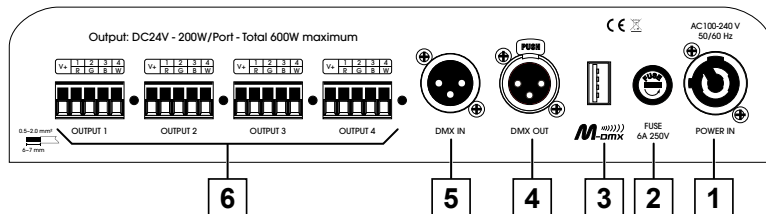
The TAPEDRIVER-16POW is a 16-channel LED driver with a 24V 600W power supply for managing up to 200W of LED power at constant voltage per output (the 600W will be distributed over the 4 outputs).

The TAPEDRIVER-16POW can be used as a stand-alone device thanks to its internal programs or in DMX512 mode. The RDM function allows you to modify the main parameters of the device from a compatible console (DMX address, mode, etc.).

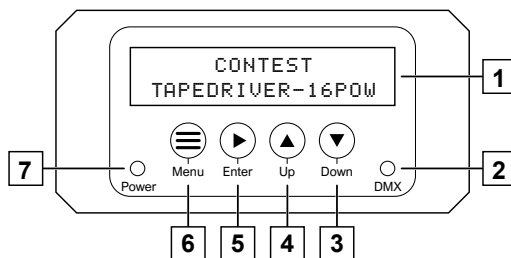
The device menu is navigated via an LCD screen.

It has a USB A port for connecting a DONGLE Briteq WTR-DMX for wireless DMX connection.

3 - Description



- 1 - Power input: 3-pin Powercon plug
- 2 - Fuse 5 x 20 mm ; 6 A 250 V
- 3 - USB connector: Allows you to connect the WTR-DMX DONGLE WiFi adapter: B04645
- 4 - DMX output on female XLR connector
- 5 - DMX input on male XLR connector
- 6 - RGBW outputs on Euroblock® connectors
 4 outputs 24v 200 W maximum of 600 W cumulated.



- 1 - LCD screen
- 2 - **DMX** LED: Lights up when a DMX signal is present
- 3 - **Down** button to navigate through the menus and change values
- 4 - **Up** button to navigate through the menus and change values
- 4 - **Enter** button to confirm your choices and enter submenus
- 6 - **Menu** button to access the menus
- 7 - **Power** LED: Lights up when the TAPEDRIVER-16POW is powered on.

4 - Menus

4 - 1 - Accéder aux menu

When the power is turned on, the menu is locked by default. Press the Menu and Enter keys simultaneously for more than five seconds to unlock the menu.

4 - 2 - System Mode menu

This menu allows you to select the type of behavior for the device. Four options are available.

1 - [Sound]: The device reacts to sound. Press the **Enter** key to adjust the sensitivity of the internal microphone: `Mic Sensitivity`. Sensitivity ranges from 001 to 100.

2 - [Auto]: This menu provides access to 22 automatic programs. Press the **Enter** button to access the speed setting: `Prog Speed`, The speed ranges from 0 to 10. Press the **Enter** button again to access the intensity setting: `Prog Dimmer`, The intensity ranges from 000 to 255.

3 - [DMX]: This menu allows you to operate the device in DMX mode. Press the **Enter** button to select the DMX mode and DMX address.

The different DMX modes are described in section 5.

4 - [Manual]: This menu allows you to operate the device manually. Press the Enter button to access the settings for each output. For each output, you can adjust the level of each color: R, G, B, and W. The level of each color ranges from 000 to 255.

4 - 3 - System Setup menu

This menu allows you to adjust certain functions of the device. Five options are available.

1 - [LED Test]: This menu allows you to test each color on the 4 channels. Press the **Enter** button to select each color. Scroll through each color using the **Up** and **Down** buttons.

2 - [Device UID]: This menu allows you to give the device an identity when it is connected to an RDM box.

3 - [Firmware]: This menu allows you to start an update of the internal software. This operation requires the intervention of a specialized technician.

4 - [PWM Rate]: This menu allows you to select the output frequency. 1.3 KHz / 2 KHz / 4KHz / 8 KHz
A higher PWM frequency will result in lower output current, higher power noise, but is more suitable for video cameras (Flicker Free).

5 - [No DMX Fun]: This menu allows you to choose how the device behaves when the DMX signal is interrupted. Two options are available: [FREEZE]: The device retains the state it was in when the DMX signal was interrupted.. [BLKOUT]: All outputs are disabled.

5 - DMX Chart

4CH1 Mode	4CH2 Mode	6CH Mode	8CH1 Mode	8CH2 Mode	12CH Mode	16CH Mode	24CH Mode	DMX Values	Actions	Outputs
						1	1		Red output 1	Output 1
								000 - 255	000 : Black out - 255 : Red 100%	
						2	2		Green output 1	
								000 - 255	000 : Black out - 255 : Green 100%	
						3	3		Blue output 1	
								000 - 255	000 : Black out - 255 : Blue 100%	
						4	4		White output 1	
								000 - 255	000 : Black out - 255 : White 100%	
				5	5		5		Dimmer output 1	
								000 - 255	Intensity: 0 - 100%	
					6		6		Shutter, strobe output 1	
								000-009	Led's On	
								010-019	Led's Off	
								020-099	Strobe effect from slow to fast	
								100-109	Led's On	
								110-169	Slow to fast sequence of pulse effects	
								170-179	Led's On	
								180-249	Random strobe effects from slow to fast	
								250-255	Led's On	
						5	7		Red output 2	Output 2
								000 - 255	000 : Black out - 255 : Red 100%	
						6	8		Green output 1	
								000 - 255	000 : Black out - 255 : Green 100%	
						7	9		Blue output 2	
								000 - 255	000 : Black out - 255 : Blue 100%	
						8	10		White output 2	
								000 - 255	000 : Black out - 255 : White 100%	
				6	7		11		Dimmer output 2	
								000 - 255	Intensity: 0 - 100%	
					8		12		Shutter, strobe output 2	
								000-009	Led's On	
								010-019	Led's Off	
								020-099	Strobe effect from slow to fast	
								100-109	Led's On	
								110-169	Slow to fast sequence of pulse effects	
								170-179	Led's On	
								180-249	Random strobe effects from slow to fast	
								250-255	Led's On	

4CH1 Mode	4CH2 Mode	6CH Mode	8CH1 Mode	8CH2 Mode	12CH Mode	16CH Mode	24CH Mode	DMX Values	Actions	Outputs
						9	13		Red output 3	Output 3
								000 - 255	000 : Black out - 255 : Red 100%	
						10	14		Green output 3	
								000 - 255	000 : Black out - 255 : Green 100%	
						11	15		Blue output 3	
								000 - 255	000 : Black out - 255 : Blue 100%	
						12	16		White output 3	
								000 - 255	000 : Black out - 255 : White 100%	
			7	9			17		Dimmer output 3	
								000 - 255	Intensity: 0 - 100%	
					10		18		Shutter, strobe output 3	
								000-009	Led's On	
								010-019	Led's Off	
								020-099	Strobe effect from slow to fast	
								100-109	Led's On	
								110-169	Slow to fast sequence of pulse effects	
								170-179	Led's On	
								180-249	Random strobe effects from slow to fast	
								250-255	Led's On	
						13	19		Red output 4	Output 4
								000 - 255	000 : Black out - 255 : Red 100%	
						14	20		Green output 4	
								000 - 255	000 : Black out - 255 : Green 100%	
						15	21		Blue output 4	
								000 - 255	000 : Black out - 255 : Blue 100%	
						16	22		White output 4	
								000 - 255	000 : Black out - 255 : White 100%	
			8	11			23		Dimmer output 4	
								000 - 255	Intensity: 0 - 100%	
					12		24		Shutter, strobe output 4	
								000-009	Led's On	
								010-019	Led's Off	
								020-099	Strobe effect from slow to fast	
								100-109	Led's On	
								110-169	Slow to fast sequence of pulse effects	
								170-179	Led's On	
								180-249	Random strobe effects from slow to fast	
								250-255	Led's On	

4CH1 Mode	4CH2 Mode	6CH Mode	8CH1 Mode	8CH2 Mode	12CH Mode	16CH Mode	24CH Mode	DMX Values	Actions	Outputs
	1	1	1	1	1			Red all outputs		
								000 - 255	000 : Black out - 255 : Red 100%	
	2	2	2	2	2			Green all outputs		
								000 - 255	000 : Black out - 255 : Green 100%	
	3	3	3	3	3			Blue all outputs		
								000 - 255	000 : Black out - 255 : Blue 100%	
								White all outputs		
								000 - 255	000 : Black out - 255 : White 100%	
	4	4	4	4	4			Dimmer all outputs		
								000 - 255	Intensity : 0 - 100%	
1		5	5		Shutter, strobe all outputs					
					000-009	Led's On				
					010-019	Led's Off				
					020-099	Strobe effect from slow to fast				
					100-109	Led's On				
					110-169	Slow to fast sequence of pulse effects				
					170-179	Led's On				
					180-249	Random strobe effects from slow to fast				
					250-255	Led's On				
					180-249	Random strobe effects from slow to fast				
2		6	6		250-255	Led's On				

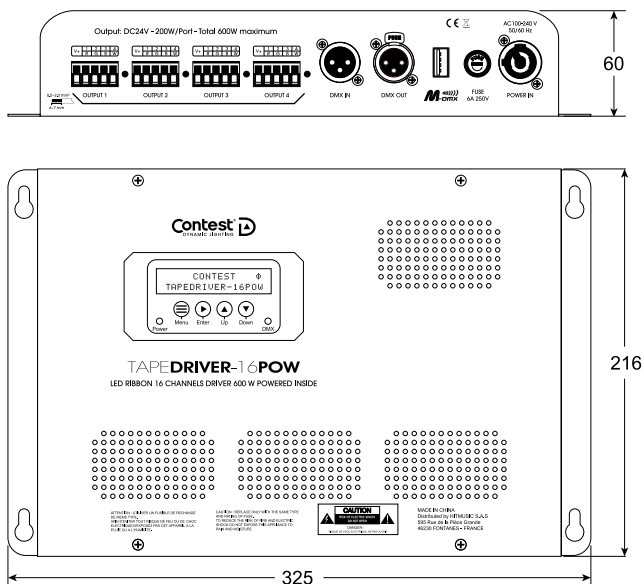
All outputs (1, 2, 3 et 4)

4CH1 Mode	4CH2 Mode	6CH Mode	8CH1 Mode	8CH2 Mode	12CH Mode	16CH Mode	24CH Mode	DMX Values	Actions	Outputs
3			7					Internal programmes		All outputs (1, 2, 3 et 4)
								000 - 008	No function	
								009 - 017	Static color 1	
								018 - 025	Static color 2	
								026 - 033	Static color 3	
								034 - 041	Static color 4	
								042 - 049	Static color 5	
								050 - 057	Static color 6	
								058 - 065	Static color 7	
								066 - 073	Static color 8	
								074 - 081	Static color 9	
								082 - 089	Static color 10	
								090 - 097	Static color 11	
								098 - 105	Static color 12	
								106 - 113	Static color 13	
								114 - 121	Static color 14	
								122 - 129	Static color 15	
								130 - 137	Static color 16	
								138 - 145	Static color 17	
								146 - 153	Static color 18	
								154 - 161	Step color 1 (RGBW)	
								162 - 169	Step color 2 (RGB)	
								170 - 177	Step color 3 (Step colors)	
								178 - 185	Step color 4 (Red / Green)	
								186 - 193	Step color 5 (Red / Blue)	
194 - 201	Step color 6 (Green / Bleu)									
202 - 209	Shase color 1 (RGBW)									
210 - 217	Shase color 2 (RGB)									
218 - 225	Shase color 3 (Static colors)									
226 - 233	Shase color 4 (Red / Green)									
234 - 241	Shase color 5 (Red / Blue)									
242 - 255	Shase color 6 (Green / Blue)									
4			8					Speed / Sensitivity		
								000 - 199	Increasing speed from 0 to 100%	
								200 - 255	Sound sensitivity from minimum to maximum	

6 - Caractéristiques

Electrical characteristics	
Input voltage	AC 100~240 V / 50-60 Hz
Input current	6 A under 200-240 V
Output voltage	4 x 24 V DC per channel max.
Output current	16 x 2 A per channel
Output power	4 x 200 W RGBW (600 W max)
Output type	DC voltage
Special features	
Available PWM frequencies	1.3 KHz / 2 KHz / 4KHz / 8 KHz
Output dimming	Gamma from 0.1 to 9.9
Encoding modes	4, 6, 8, 12, 16, or 24 Channels
Protections	Overheating, overload and short-circuit, automatic reset
Operating environment	
Ambient temperature	from -10°C to +45°C
IP rate	20
Physical characteristics	
Dimensions	325 x 216 x 60 mm
Weight	3 Kg

7 - Dimensions



The CONTEST® brand takes the greatest care in the manufacture of its products to guarantee you the best quality. Changes may therefore be made without prior notice. For this reason, the technical characteristics and physical configuration of the products may differ from the specifications and illustrations presented in this manual.

For the latest product information and updates log on to <https://dyna.lighting/>

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