XBABY TW

version 2.2

bright

Safety Instructions:

- Do not open this device - there are no user-serviceable parts inside.
- Do not look directly at the light source when the device is on.
- Caution, this unit's housing may be hot when lights are operating.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Always use a safety cable when mounting this device overhead.
- Do not operate this device outdoors or in location where dust, excessive heat, water, or humidity may affect it.
- Do not connect this device to a dimmer or other regulated power
- Only connect this device to a grounded and protected circuit.
- Switchmode powers has high inrush-currents, do not exceed 8A on the output Powercon when daisy-chaining fixtures (24 units @ 230V)

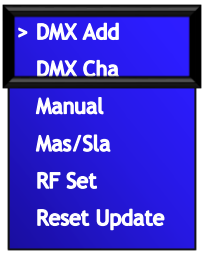
Main Features:

- High CRI/TLCI tunable white led-engine 2700-5700K
- Flicker free high speed PWM 16-bit dimming
- Fresnel zoom optics
- Integrated rotatable barndoors
- Integrated gel-clips
- Industry standard 5pin XLR and PowerCon
- Inputs and outputs for easy daisy-chaining
- RF Radio Remote
- RDM remote addressing
- DMX controlled rise-time
- Easy and intuitive Local menu structure.
- Firmware cloning from fixture to fixture via DMX
- Stealth design: All black parts, (body, yoke, hook clamp & bolt), Automatic dimming of LCD backlight.
- Compact size, low weight and power consumption

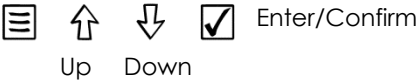
Display Navigation

When XBABY TW is already in DMX-mode, the DMX start address is displayed on the left side (Axxx), while the DMX channel count is displayed on the right side (Cxx).
Use the Up/Down buttons to alter the DMX start address, and press Enter/Confirm to set the address permanently.

When receiving valid DMX, a blinking dot is displayed between the address and the channel count.



If the XBABY TW is not in DMX-mode, or to change other settings than the start address, press the Menu button to access the main menu:

Menu/Exit  Enter/Confirm

Up Down

Navigate the main menu with the Up/Down buttons, and use the Enter/Confirm button to select a menu item. The XBABY TW will return to its previous state if no new setting or mode has been confirmed within 10 seconds.

DMX start Address

Use Up/Down to alter the DMX start Address (001→xxx), then press Enter/Confirm to set the chosen start address permanently. "xxx" (highest address) is determined by the chosen channel-mode. (e.g. in 2ch mode max address is 511)

- **Setting the DMX start Address will activate "DMX Mode"**

DMX Channel count

Use Up/Down to alter the DMX channel count (1ch, 2ch, 5ch), then press Enter/Confirm to set the chosen channel count permanently.

- **Setting the DMX Channel count will activate "DMX Mode"**

Manual Control

Use Up/Down and Enter/Confirm to sequentially choose a Preset basic color-temperature, finetune the temperature of the chosen color, and finally set the overall intensity.
Use Menu/Exit to step backwards in menu-sequence to readjust the color.

- **Setting a manual color will activate "Manual Mode"**

Master/Slave Operation

Use Up/Down to choose Master or Slave, and press Enter/Confirm.
When using the Manual Control or RF remote with Master enabled, the Master fixture will transmit via the 5p XLR to control connected fixtures set to Slave Mode.

- **Setting Master/Slave to Slave will activate "Slave Mode"**

RF Setup

Use Up/Down to select Off, Group1 or Group2, then press Enter/confirm to select Radio Frequency remote group.

- **Selecting RF group 1 or 2 will activate "DMX/RF" mode**

Factory Reset

Use Up/Down to select <Y> for yes, then press Enter/confirm to reset the fixture to factory default settings.

- **Resetting the fixture will activate "DMX Mode"**

Firmware Update

Use Up/Down to select <Y> for yes, then press Enter/Confirm to set the fixture in update mode.
Connect another fixture (unpowered) with 5pin, then apply power. When the second fixture displays "Waiting for file", Press Enter/Confirm on the original fixture to start transferring firmware to the second fixture.

- **Press Menu/Exit twice to return to Main menu when done**

Radio remote

DMX	Sets group 1 + 2 to DMX mode
MAN	Sets group 1 + 2 to Manual mode
OFF	Fades group 1 + 2 to Black in 3 seconds
ON	Fades group 1 + 2 back to set level in 3 seconds
D -	Decrease dimmer value of group 1 / 2 respectively
D +	Increase dimmer value of group 1 / 2 respectively
C -	Decrease color value of group 1 / 2 respectively
C +	Increase color value of group 1 / 2 respectively

To control the XBABY via Radio remote:

1. Enable the RF receiver in the fixture by selecting either <Group1> or <Group 2> in the RF setup menu of the fixture.
2. Press MAN on the remote control to activate manual control.
3. Adjust the level and color of the chosen group via D +/- and C +/-
4. Press OFF to fade out, press ON to fade back to previous levels

DMX channels:

The XBABY TW may be set to use 1, 2, 3, or 5 DMX channels.
Please refer to the DMX Charts for detailed description of each channel

1
Dim

The 1-channel mode automatically adapts the color temperature when dimming the fixture, similar to conventional tungsten

1	2
Dim	ColorTemp

The 2-channel mode gives easy access to both intensity and color temperature from manual consoles.

1	2	3
Warm LED	Cool LED	Dim

The 3-channel mode gives raw access to each LED along with a master dimmer.
⚠ In this mode, it is possible to run both LEDs simultaneously, producing more heat than manageable over time. The fixture will soft-limit power to the LEDs when the housing is reaching maximum temperature.

1	2	4	9	10
Dim	Dim fine	ColorTemp	Strobe	Rise-time

The 5-channel mode gives individual access to color temperature, 16-bit dimmer and shutter/strobe with additional random and audio-trig, finally the rise-time channel allows for emulation of typical response-profiles found in conventional dimmer and filament lamps.

DMX Chart

1 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Dimmer 0% → 100%, Auto Color temperature

2 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Dimmer 0% → 100%
2	000-009	Auto Color temperature
	010-255	Color temperature Warm → Cool

3 Channel mode

⚠ Lumen output may be reduced due to excessive heat

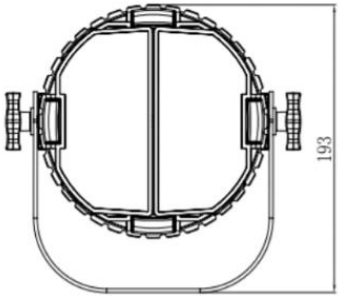
CHANNEL	VALUE	FUNCTION
1	000-255	Warm White LED 0% → 100%
2	000-255	Cool White LED 0% → 100%
3	000-255	Dimmer 0% → 100%

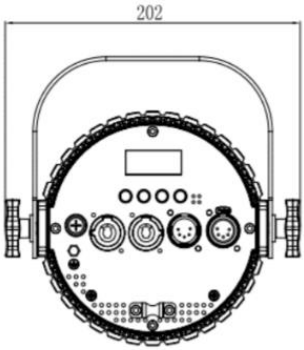
5 Channel mode

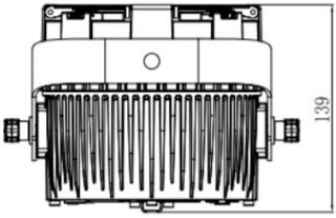
CHANNEL	VALUE	FUNCTION
1	000-255	Master dimmer 0% → 100% (coarse)
2	000-255	Master dimmer (fine 16bit)
3	000-255	Color temperature Warm → Cool
4	000-007	Shutter Closed
	008-015	Shutter Open
	016-119	Strobe Slow → Fast (1-25Hz)
	120-127	Shutter Open
	128-183	Strobe Random Slow → Fast
	184-191	Shutter Open
	192-247	Strobe Audio Slow → Fast
	248-255	Shutter Open
5	000-031	Instant response
	032-063	Short rise-time
	064-095	Medium rise-time
	096-127	Long rise-time
	128-159	Extra-long rise-time
	160-191	Tungsten Short rise-time
	192-223	Tungsten Medium rise-time
	224-255	Tungsten Long rise-time

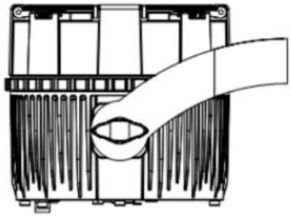
Technical Specification:

Construction	
Housing	Black Die-cast Aluminum Body
Cooling System	Passive fanless, Temperature protection
Power Input/Output	Neutrik Powercon
DMX Input/Output	5-pin XLR
Display	Blue/white Backlit LCD, auto-dimmed when idle.
Dimension (LxWxH)	139 x 202 x 193 mm
Weight	2.3kg
Electric	
Power supply	100-240V AC, 50/60 Hz
Power consumption	Max 75W
LED Driver	Constant Current Driver, 1200Hz (Flicker Free)
Fuse	T2A , 250V
Optics	
Light Source	COB tunable white - CRI95 2700->5700K
Fixture Lumen	1500 lumen (55°)
Beam Angle	20°-55°
Functions	
Control Modes	DMX512, RF, RDM, Manual, Master/Slave
DMX Channels	1/2/3/5CH
Operation	
Temperature	Max ambient temperature Ta: 40°C Max housing temperature Tc (steady state): 80°C
Distance	Min. distance from flammable surfaces: 0.5 m Min. distance to lighted object: 0.1 m
Compliance	
LVD	EN60598-2-17:1989+A2:1991 EN60598-1:2008+A11:2009
EMC	EN55015:2006+A1:2007+A2:2009 EN61547:2009 EN61000-3-2:2006+A12009+A2:2009 EN61000-3-3:2008









Bright Norway AS • Brenneriveien 11 • N-0182 Oslo • Norway • brightgroup.no