

# XBABY TW



## 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/TLCl 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

DMX Mode  
A001 C02

## 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.

DMX Mode  
A001.C02

> DMX Add  
DMX Cha  
Manual  
Mas/Sla  
RF Set  
Reset Update

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 Addr  
<011>

DMX Mode  
A011 C02

### 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"**

DMX Chan  
<02>

DMX Mode  
A011 C02

## 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.

Preset  
<Tungst>

Finetune  
<Tungs+>

Dimmer  
<100>

Manual  
Mode

- **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"**

Mas/Sla  
<Off>

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**

RF Set  
<Group1>

DMX/RF-1  
A001 C01

## 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"**

Reset  
<N> / Y

DMX Mode  
A001 C02

## Firmware Update

Use Up/Down to select <Y> for yes, then press Enter/Confirm to set the fixture in update mode.

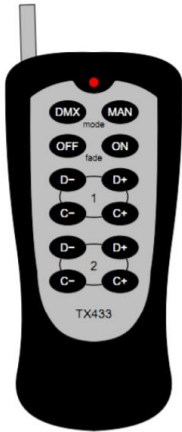
Connect another fixture (unpowered) with 5pin, then apply power. When the second fixture displays "Waiting for file", Press Enter/Confirm on the original fixture to start transferring firmware to the second fixture.

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

Update  
<N> / Y

Update  
<Start>

## 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

Dim

2

ColorTemp

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

1

Warm LED

2

Cool LED

3

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

Dim

2

Dim fine

3

ColorTemp

4

Strobe

5

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
	000-007	Shutter Closed
	008-015	Shutter Open
	016-119	Strobe Slow → Fast (1-25Hz)
4	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
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

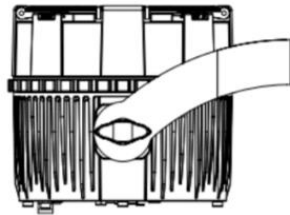
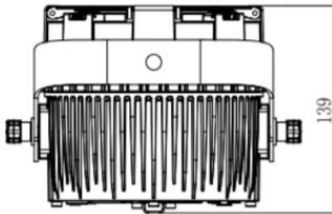
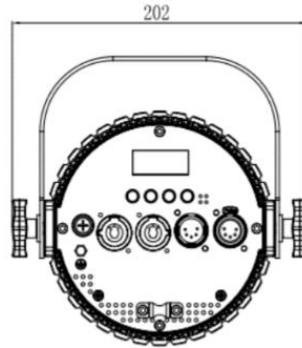
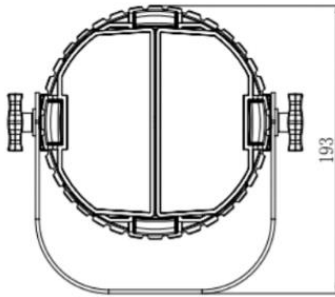
Control Modes	DMX512, RF, RDM, Manual, Master/Slave
DMX Channels	1/2/3/5CH

### 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+A1:2009+A2:2009 EN61000-3-3:2008



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Bright Norway AS • Brenneriveien 11 • N-0182 Oslo • Norway • [brightgroup.no](http://brightgroup.no)