XCORE

WASH by 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 connect this device to a dimmer or other regulated power
- Only connect this device to a grounded and protected circuit.

Main Features:

- High Output 19x15w 4in1 RGBW led-engine
- Flicker free high speed PWM dimming
- IP65 housing and IP65-rated 5pin XLR and Power Connectors
- Zone control: center dot, inner ring, outer ring
- 16bit DMX control
- DMX controlled rise-time
- RDM remote addressing
- Easy and intuitive Local menu structure.
- Firmware cloning from fixture to fixture
- Inputs and outputs for easy daisy-chaining.
- Quarter-turn bracket for quick mounting of hook clamp.
- Automatic dimming of LCD backlight.
- Compact size, low weight and power consumption

Display Navigation

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

Navigate the main menu with the Up/Down buttons, and use the Enter button to select a menu item. The XCORE 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 (2ch, 3ch, 10ch), 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 Zone, a preset basic color, finetune the hue of the chosen color, and finally set the overall intensity.

Use Menu/Exit to step backwards in menu-sequence to readjust the hue, or select another basic color.

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

Automatic Programs

Use Up/Down and Enter/Confirm to sequentially choose an Auto program and set the wait and fade times between the steps of the program.

Use Menu/Exit to step backwards in menu-sequence to readjust the wait time, or to select another Program.

- **Setting a program will activate "Auto" mode**

Sound trig

Use Up/Down to adjust the sensitivity (Sen000→Sen100) of the in-build microphone, then press Enter/Confirm to set Sound sensitivity permanently.

- **Setting the Sound sensitivity will activate "Sound" mode**

Master/Slave Operation

Use Up/Down to choose Master or Slave 1 → Slave 12, and press Enter/Confirm.

When using any of the standalone operating modes: auto, sound, or manual with Master enabled, the Master fixture will transmit and remote control any fixtures set to Slave Mode.

When a Master is transmitting AutoPrograms, the program steps can be shifted on the slaves (Slave 1 = in sync with master, slave 2 = one step ahead etc)

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

DMX channels:

The XCORE Wash may be set to use 2, 3, 10 or 24 DMX channels.
Please refer to the DMX Charts for detailed description of each channel

2 Channel mode

1	2
Dim	Color

The 2 channel mode gives easy access to intensity and color from manual consoles, with crossfading presets from warm to cold white, through all saturated hues.

3 Channel mode

1	2	3
R	G	B

The 3 channel mode allows control by the use of RGB control channels only, to be used with architectural or other generic control-systems. The level of White is calculated by the fixture to maximize output of the chosen colors.

10 Channel mode

1	2	3	4	5	6	7	8	9	10
R	G	B	W	Dim	Dim fine	Strobe	Rise-time	Zone color	Zone Select

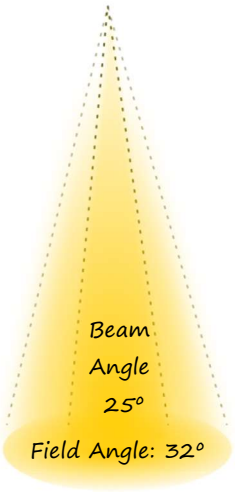
The 10 channel mode gives individual access to all 4 LED-colors, 16-bit master dimmer and shutter/strobe with additional random and audio-trig, rise-time for emulation filament lamps, and finally basic zone effects.

24 Channel mode

1	2	3	4	5	6	7	8	x 3
R	G	B	W	Dim	Dim fine	Strobe	Rise-time	

The 24 channel mode gives individual access to all 3 zones and LED-colors.

Photometrics



Lux

	R	G	B	W	All
1m	11000	17000	3900	20000	41000
2m	2500	4700	1150	5700	12000
3m	1200	2100	525	2600	5240
4m	660	1220	300	1460	2970
5m	440	800	200	950	1940

DMX Chart

2 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Master dimmer 0% → 100%
	000	Straw →
	020	Warm white →
	040	White →
	060	Cool white →
	080	Blue →
	100	Magenta →
2	120	Red →
	140	Orange →
	160	Yellow →
	180	Green →
	200	Teal →
	220	Cyan →
	255	Blue

3 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Red component: 0% → 100%
2	000-255	Green component: 0% → 100%
3	000-255	Blue component: 0% → 100%

10 Channel mode

CHANNEL	VALUE	FUNCTION
1	000-255	Red dimmer 0% → 100%
2	000-255	Green dimmer 0% → 100%
3	000-255	Blue dimmer 0% → 100%
4	000-255	White dimmer 0% → 100%
5	000-255	Master dimmer 0% → 100% (coarse)
6	000-255	Master dimmer (fine 16bit)
7	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
8	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	[reserved]
	192-223	[reserved]
	224-255	[reserved]
9		Zone Color
	000	Straw →
	020	Warm white →
	040	White →
	060	Cool white →
	080	Blue →
	100	Magenta →
	120	Red →
	140	Orange →
	160	Yellow →
	180	Green →
	200	Teal →

	220	Cyan →
	245	Blue →
	255	Black
10		Zone Select
	000-007	No function
	008-015	Static Outer Ring
	016-023	Static Inner Ring
	024-031	Static Center Dot
	032-039	Static Center + Outer
	040-047	Static Inner + Outer
	048-055	Static Center + Inner
	056-063	All Zones, Center + Inner + Outer
	064-159	Animate CW Fast → Slow
	160-161	Stop
	162-254	Animate CCW Slow → Fast

24 Channel mode – Center Dot / Inner Ring / Outer Ring

CHANNEL	VALUE	FUNCTION
1 - 8		**Zone 1: Center Dot**
1	000-255	Red dimmer 0% → 100%
2	000-255	Green dimmer 0% → 100%
3	000-255	Blue dimmer 0% → 100%
4	000-255	White dimmer 0% → 100%
5	000-255	Master dimmer 0% → 100% (coarse)
6	000-255	Master dimmer (fine 16bit)
7	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
8	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	[reserved]
	192-223	[reserved]
	224-255	[reserved]
9 - 16		Zone 2: Inner Ring
17 - 24		Zone 3: Outer Ring

Technical Specification:

Construction	
Housing	IP65 Black Die-cast Aluminum Body and Yoke
Cooling System	Passive fanless, Temperature protection
Power Input/Output	Seetronic PowerKon IP65
DMX Input/Output	Seetronic 5-pin XLR IP65
Display	Blue/white Backlit LCD, auto-dimmed when idle.
Dimension (LxWxH)	102 x 370 x 380 mm
Weight	9.6kg
Electric	
Power supply	100-240V AC, 50/60 Hz
Power consumption	250W
LED Driver	Constant Current Driver, 1280Hz (Flicker Free)
Fuse	T 3.15 A, 250 V
Optics	
Light Source	19 pcs of 4in1 RGBW 15W LED
Luminous Flux	1940lux @ 5m
Beam/Field Angle	25°/35°
Functions	
Control Modes	DMX512, RDM, Manual, Auto, Sound, Master/Slave
DMX Channels	2/3/10/20CH
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

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