

NETO.



RENEGADE XB

User Manual
Please read instructions carefully

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INCLUDED ITEMS

- Renegade XB
- PowerCon
- Warranty Information
- User Manual

Please inspect package for missing or damaged items and notify NETO Lighting as soon as possible to receive replacements.

SAFETY INFORMATION

Do not attempt service on unit. Product should only be serviced by qualified techs. Please respect local laws and regulations governing installation.

- Never look directly into light source in order to prevent injury.
- Always disconnect from the main power source before performing any type of service.
- Always use a grounded circuit.
- Fixture housing may be very hot while operating. Do not touch the fixture barehanded during its use.
- Always disconnect from main power source and allow 15 minutes to cool before attempting any type of service.
- Do not plug in when unit is cold. Unit must be at room temperature.
- Product weighs **X amount**. Ensure rigging used is rated to hold such weight.
- Make sure there are no flammable materials within 12m of the unit's aperture while operating in order to prevent a fire hazard.
- Beam can melt or cause fire. Ensure that nothing is less than 3m distance from lens.
- Only supply the unit with rated voltages.
- Do not connect fixture to a dimmer pack.
- If you notice any damages, do not attempt to operate.
- If malfunctioning, disconnect from main power source immediately. Contact NETO Lighting.
- Do not operate if ambient temperature reaches over 40° C.
- Not intended for use outdoors or in moisture.
- Do not block ventilation.

Contact NETO Lighting for all support and technical questions.

RENEGADE XB

DESCRIPTION

The renegade XB is an extreme output multi-function luminaire capable of beam, spot and wash effects all in a single unit.

- Fast and responsive motors for precision control that's always on time
- Large screen display for easy control
- -280w Osram SIRIUS HRI lamp 8000k color temperature.
- Strong, durable design ideal for transportation

FEATURES

- Variable zoom 3.8° to 20° 16-bit
- Precise focus (16-bit)
- Rotating gobo wheel: 9 gobos
- User replacable slot-lock gobos
- Fixed gobo wheel: 14 gobos
- Dual blade shutters
- 14 colors
- Frost filter
- 8 facet circular prism
- 6 facet lenticular prism
- 16 or 24 channel DMX512
- 540° Pan (16-bit)
- 270 ° Tilt (16-bit)

SET UP

1 Power

The Renegade XB is equipped with an auto-ranging power factor corrected switch-mode power supply. 100-240 VAC 50/60Hz capable.

Maximum current draw of 3.5A (120V) / 1.9A (230V). Never connect power to a dimmer pack even if it is locked to 100%. If unit does not power on disconnect power and check fuse. Fuse rating must be **XXX**. If multiple fixtures are on one circuit avoid striking the lamps all at the same time as the unit pulls excessive current for a short duration during ignition. If unit does not power on, disconnect power and contact NETO Lighting for service.

2 Data

Data is daisy chained via the XLR 3pin connectors. DMX512 low impedance data cabling is recommended for optimal signal transmission.

3 Rigging

The fixture comes with a quarter-turn omega bracket for mounting clamps to base. Never mount a fixture in a position that could easily be knocked over and cause harm to anyone or the fixture itself. Only experienced persons should be rigging fixtures overhead. Always use a safety cable to ensure security. Always verify that the safe working load of the structure is greater than the total load of fixtures on said structure.

OPERATION

1 Control Panel

The Renegade XB is equipped with a touch screen and a push encoder for easy setup. You can select Run Modes, Display Options, Test, Advanced Setup, & Status.

The menu breaks down like this:

Main Menu	Sub Menu	Option	Description	
DMX Address	0-512		Addressing for control via DMX512	
Run Mode	DMX 16ch		See personality map	
	DMX 24ch		See personality map	
	Auto Run		Fixture automatically does sequence of effects	
	Sound Control		Fixture does sequence of effects to the beat	
	Master/Slave Mode		Linked fixtures set on slave follows the master	
	Light Switch	Sure		Manual control of lamp power
		No		
Channel Qty	Simple		See personality map	
	Expanded			
Display Setting	Language	English	Selects the language of the menu	
		Chinese		
	Screen Saver	Mode 1		
		Mode 2		
		Mode 3		
		Off		
	Screen Rotation	On	Change screen orientation	
Off				

Main Menu	Sub Menu	Option	Description
	Touch Enable	On Off	Disables touch to disable accidental reconfiguration
	Touch Rectify		Calibrate Touch Screen
Test	Pan Tilt Focus Color Gobo Prism Frost Strobe		Manual control of parameters for servicing & troubleshooting
Advanced Setup	Pan Invert	On Off	Pan direction invert
	Tilt Invert	On Off	Tilt direction invert
	Pan & Tilt Swap	On Off	Swaps pan and tilt
	Pan Offset		Use to correct home position of yoke
	Tilt Offset		Use to correct home position of yoke
	Lamp Up When	Reset Done Power On Manual	Lamp will strike after the fixture completes a reset Lamp will strike when the fixture is powered on Lamp will only strike when prompted to do so from menu
	Factory Setting Sure	No	Restores fixture to default settings Cancel

Main Menu	Sub Menu	Option	Description
Status	Work Mode		Displays which run mode is selected at the moment
	Adress		Displays current DMX address
	Version		Displays fixture firmware
	Elapse		Lamp counter (hours)
	Total		Fixture counter (hours)
	DMX Clr		Reset DMX input
	Sys Rst		Reset entire system

2 DMX Personalities

Users have a selection of 2 Channel modes, 6 & 10 CH.
View the parameters map below.

24ch	16ch	Function	Value	Description	Mode
1	1	Pan	0-255	540° Pan	
2		Pan 16-bit	0-255		
3	2	Tilt	0-255	270° Tilt	
4		Tilt 16-Bit	0-255		
5	3	Movement Speed	0-255	Fast to slow	
6	4	Control	0-129	Empty	
			130-139	Reset effects & lamp on	
			140-149	Pan / Tilt reset	
			150-189	Effects reset	
			200-209	Total reset	
			210-229	Empty	
			230-239	Lamp off	
			240-255	Empty	

24ch	16ch	Function	Value	Description	Mode
7	5	Color	0-8	Open	Fade
			9-17	Red	Fade
			18-26	Blue	Fade
			27-36	Yellow	Fade
			37-45	Green	Fade
			46-54	Magenta	Fade
			55-63	Light Blue	Fade
			64-72	Pale Yellow	Fade
			73-81	8000K	Fade
			82-90	3600K	Fade
			91-100	Pink	Fade
			101-109	Amber	Fade
			110-118	4500K	Fade
			119-127	UV	Fade
			128-129	Open	Snap
			130-134	Red	Snap
			135-138	Blue	Snap
			139-143	Yellow	Snap
			144-147	Green	Snap
			148-152	Magenta	Snap
			153-157	Light Blue	Snap
			158-161	Pale Yellow	Snap
			162-166	8000K	Snap
			167-171	3600K	Snap
			172-176	Pink	Snap
			177-180	Amber	Snap
			181-185	4500K	Snap
			186-189	UV	Snap
			190-215	CW Spin	

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24ch	16ch	Function	Value	Description	Mode
			216-217	Open	
			218-243	CCW Spin	
			244-255	Random	
8		Color 16-Bit	0-255		
9	6	Gobo Rotation	0-255	Speed	
10	7	Static Gobo	0-3	Open	
			4-9		
			10-15		
			16-21		
			22-27		
			28-33		
			34-39		
			40-45		
			46-51		
			52-57		
			58-63		

24ch	16ch	Function	Value	Description	Mode
			64-69		
			70-75		
			76-81		
			82-87		
			88-95		Shake
			96-103		Shake
			104-111		Shake
			112-119		Shake
			120-127		Shake
			128-135		Shake
			136-143		Shake
			144-151		Shake
			152-159		Shake

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24ch	16ch	Function	Value	Description	Mode
			160-167		Shake
			168-175		Shake
			176-183		Shake
			184-191		Shake
			192-199		Shake
			200-201	Beam	
			202-221	CW Spin	
			222-223	Stop	
			224-243	CCW Spin	
			244-255	Random	
11	8	Rotating Gobo	0-4		
			5-7		Indexing
			8-10		Indexing
			11-13		Indexing
			14-16		Indexing

24ch	16ch	Function	Value	Description	Mode
			17-19		Indexing
			20-22		Indexing
			23-25		Indexing
			26-28		Indexing
			29-31		Indexing
			32-34		Rotation
			35-37		Rotation
			38-40		Rotation
			41-43		Rotation
			44-46		Rotation
			47-49		Rotation
			50-52		Rotation

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24ch	16ch	Function	Value	Description	Mode
			53-55		Rotation
			56-59		Rotation
			60-67		Shake
			68-75		Shake
			76-83		Shake
			84-91		Shake
			92-99		Shake
			100-107		Shake
			108-115		Shake
			116-123		Shake
			124-129		Shake
			130-137		Shake + Rotation
			138-145		Shake + Rotation

24ch	16ch	Function	Value	Description	Mode
			146-153		Shake + Rotation
			154-161		Shake + Rotation
			162-169		Shake + Rotation
			170-177		Shake + Rotation
			178-185		Shake + Rotation
			186-193		Shake + Rotation
			194-199		Shake + Rotation
			200-201		
			202-221	CW Spin	
			222-223	Stop	
			224-243	CCW Spin	
			244-255	Random Gobo	
12	9	Gobo Rotation	0-255	Indexing	Indexing
			0-127	CW Spin	Rotation
			128-129	Stop	Rotation
			130-255	CCW Spin	Rotation
14	10	Prism	0-19	Open	
			20-49	6-Face Linear Prism	Indexing

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24ch	16ch	Function	Value	Description	Mode
			50-75	6-Face Linear Prism	Rotating
			76-105	8-Face Circular Prism	Indexing
			106-127	8-Face Circular Prism	Rotating
			128-135	Marco 1	
			136-143	Marco 2	
			144-151	Marco 3	
			152-159	Macro 4	
			160-167	Macro 5	
			168-175	Macro 6	
			176-183	Macro 7	
			184-191	Macro 8	
			192-199	Macro 9	
			200-207	Macro 10	
			208-215	Macro 11	
			216-223	Macro 12	
			224-231	Macro 13	
			232-239	Macro 14	
			240-247	Macro 15	
			248-255	Macro 16	
15	11	Prism Roation	0-255	Indexing	Indexing
			0-127	CW Spin	Rotation
			128-129	Stop	Rotation
			130-255	CCW Spin	Rotation
16	12	Frost	0-127	Open	
			128-255	Frost	
17	13	Zoom	0-255		
18		Zoom 16-Bit	0-255		
19	14	Focus	0-255		

24ch	16ch	Function	Value	Description	Mode
20		Focus 16-Bit	0-255		
22	15	Shutter	0-31	Closed	
			32-63	Open	
			64-95	Strobe	
			96-127	Open	
			128-159	Pulse	
			160-191	Open	
			192-223	Random	
			224-255	Open	
23	16	Dimmer	0-255		
24		No Function			

TECHNICAL SPECS

Light Source	Lamp Type	Osram SIRIUS HRI 280w
	Color temperature	8000k
	Beam Angle Range	3.8-20° (16-bit zoom)
Thermal	Max. Ambient Temperature	40° C
Electrical	Max. Power Consumption	420W
	Operating Voltage	AC 100-240V, 50/60Hz
	Current Draw	3.5A (120V) / 1.9A (230V)
	Power Supply	Electric auto-ranging power factor corrected switch-mode
Control	Data Type	USITT DMX-512 (1990)
	DMX Channels	16 or 24
	Control Modes	DMX/Auto Run/Master Slave
	Pan	540° (16-bit)
	Tilt	270° (16-bit)
Physical	Dimensions	523 x 337 x 570 mm
	Weight	20kgs ?????
	Display	LCD Touch Screen
	Data In/Out Socket:	XLR 3-pin
Construction	Housing	UV-resistant fiber-reinforced composite
	Protection Factor	IP 20 (protected against solid objects greater than 12.5mm)

Features	Fast 3-phase pan/tilt motor
	Extreme brightness
	16-bit focus
	9 slot-lock rotating gobos
	14 fixed gobos
	Dual blade shutters
	14 colors
	Frost filter
	8 facet circular prism
	6 facet lenticular prism
	Quarter-turn omega bracket

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