## 4 Using a DMX512 Controller

## 4.1 Channel Assignment

Note: this product have two DMX512 channel configuration: 【STANDARD】, 【BASIC】.

BASIC (15CH)	STANDARD (18CH)	Value	Function
CH.1	CH.1	000-255	PAN (0-540°)
	CH.2	000-255	PAN FINE (FINE CONTROL OF PAN MOVEMENT 0-3°)
CH.2	CH.3	000-255	TITL (0-270°)
	CH.4	000-255	TILT FINE (FINE CONTROL OF TILT MOVEMENT 0-3°.)
CH.3	CH.5	000-255	PAN/TILT SPEED (FROM FAST TO SLOW)
		COLOR WHELL	
		000-007	WHITE
		008-014	COLOR 1
		015-021	COLOR 2
		022-028	COLOR 3
		029-035	COLOR 4
CH.4	CH.6	036-042	COLOR 5
		043-049	COLOR 6
		050-056	COLOR 7
		057-063	COLOR 8
		064-191	COLOR WHELL 0-360°
	•	192-222	COLOR WHELL RAINBOW EFFECT(SPEED 100%->1)



BASIC (15CH)	STANDAR (18CH)	<sup>D</sup> Value	Function
		223-224	STOP
		225-255	COLOR WHELL RAINBOW EFFECT(SPEED 1->100%)
CH.5	CH.7	000-255	COLOR WHIELL FINE
			FIXED GOBO WHEEL
		000-010	WHITE
		011-015	FIXED GOBO WHEEL 1
		016-020	FIXED GOBO WHEEL 2
		021-025	FIXED GOBO WHEEL 3
		026-030	FIXED GOBO WHEEL 4
		031-035	FIXED GOBO WHEEL 5
		036-040	FIXED GOBO WHEEL 6
		041-045	FIXED GOBO WHEEL 7
		046-050	FIXED GOBO WHEEL 8
		051-055	FIXED GOBO WHEEL 9
		056-060	FIXED GOBO WHEEL 10
		061-065	FIXED GOBO WHEEL 11
		066-070	FIXED GOBO WHEEL 12
		071-075	FIXED GOBO WHEEL 1 SHAKE (SPEED 1 -> 100%)
CH.6	CH.8	076-080	FIXED GOBO WHEEL 2 SHAKE (SPEED 1> 100%)
		081-085	FIXED GOBO WHEEL 3 SHAKE (SPEED 1 -> 100%)

BASIC (15CH)	STANDARD (18CH)	Value	Function
		086-090	FIXED GOBO WHEEL 4 SHAKE (SPEED 1> 100%)
		091-095	FIXED GOBO WHEEL 5 SHAKE (SPEED 1 -> 100%)
		096-100	FIXED GOBO WHEEL 6 SHAKE (SPEED 1 -> 100%)
		101-105	FIXED GOBO WHEEL 7 SHAKE (SPEED 1 -> 100%)
	***	106-110	FIXED GOBO WHEEL 8 SHAKE (SPEED 1> 100%)
		111-115	FIXED GOBO WHEEL 9 SHAKE (SPEED 1 -> 100%)
		116-120	FIXED GOBO WHEEL 10 SHAKE (SPEED 1 -> 100%)
		121-125	FIXED GOBO WHEEL 11 SHAKE (SPEED 1> 100%)
		126-130	FIXED GOBO WHEEL 12 SHAKE (SPEED 1> 100%)
		131-137	WHITE
		138-195	STATIC GOBO JUMPING WATER EFFECT (SPEED 100> 1%)
		196-197	STOP WATER EFFECT
		198-255	STATIC GOBO FLOWING WATER EFFECT (SPEED 1> 100%)
			ROTATING GOBO
		000-010	WHITE
		011-016	GOBO 1
		017-022	GOBO 2
		023-028	GOBO 3
		029-034	GOBO 4
CH.7	CH.9	035-040	GOBO 5



BASIC (15CH)	STANDARI (18CH)	Value	Function
		041-046	GOBO 6
		047-052	GOBO 7
		053-058	GOBO 8
		059-066	ROTATING GOBO 1 SHAKE (SPEED 1 -> 100%)
		067-074	ROTATING GOBO 2 SHAKE (SPEED 1 -> 100%)
		075-082	ROTATING GOBO 3 SHAKE (SPEED 1> 100%)
		083-090	ROTATING GOBO 4 SHAKE (SPEED 1 -> 100%)
		091-098	ROTATING GOBO 5 SHAKE (SPEED 1> 100%)
		099-106	ROTATING GOBO 6 SHAKE (SPEED 1> 100%)
		107-114	ROTATING GOBO 7 SHAKE (SPEED 1> 100%)
		115-122	ROTATING GOBO 7 SHAKE (SPEED 1 -> 100%)
		123-127	WHITE .
		128-190	ROTATING GOBO FLOWING WATER EFFECT (SPEED 100 -> 1%)
		191-192	STOP WATER EFFECT
		193-255	ROTATING GOBO FLOWING WATER EFFECT (SPEED 1 -> 100%)
			GOBO ROTATING
		0-120	ROTATING GOBO ANGLE ADJUSTMENT (0 -> 360°)
		121-125	STOP
		126-165	ROTATING GOBO SHAKE (SPEED 1> 100%)
CH.8	CH.10	166-170	STOP

BASIC (15CH)	STANDARD (18CH)	Value	Function
		171-210	ROTATING GOBO POSITIVE ROTATION (SPEED 100%> 1)
		211-215	STOP
		216-255	ROTATING GOBO REVERSE ROTATION (SPEED 1> 100%)
			PRISM
		0-10	WHITE
		11-145	PRISM INSERT AND ADJUST THE ANGLE (0 -> 360°)
CH.9	CH.11	146-150	STOP
		151-200	PRISM INSERT AND POSITIVE ROTATION (SPEED 100% -> 1)
		201-205	STOP ROTATION
		206-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1 -> 100%)
CH.10	CH.12	0-255	ZOOM
			AUTO FOCUS
		0-12	NO FUNCTION
		13-39	5 METER
		40-66	7 METER
		67-93	9 METER
	18	94-120	11 METER
		121-147	13 METER
CH.11	CH.13	148-174	15 METER
		175-201	17 METER



BASIC (15CH)	STANDARI (18CH)	Value	Function
		202-228	19 METER
		229-255	21 METER
CH.12	CH.14	0-255	MANUAL FOCUS
CH.13	CH.15	0-255	DIMMER
	CH.16	0-255	DIMMER FINE
			STROBE
		0-9	NO FUNCTION
		10-99	STROBE ( FROM SLOD TO FAST)
CH.14	CH.17	100-109	NO FUNCTION
		110-179	LIGHTNING STROBE
		180-189	NO FUNCTION
		190-255	RANDOM SROBE
		CONTROL	
		000-010	NO FUNCTION
		011-020	PAN/TILT BLACK ACTIVATED
		021-030	PAN/TILT BLACK DEACTIVATED
		031-040	PAN INVERT
		041-050	TILT INVERT
		051-060	PAN/TILT INVERT OFF
CH.15	CH.18	061-070	FAN SLOW

BASIC (15CH)	STANDARD (18CH)	Value	Function
		071-080	FAN NORMAL
		081-090	FAN FAST
		091-100	FAN AUTO
		101-110	DIM4
		111-120	DIM3
		121-130	DIM2
		131-140	. DIM1
		141-150	DIMO
		151-160	1200Hz
		161-170	2400Hz
		171-180	4000Hz
		181-190	6000Hz
		191-200	25000Hz
		201-210	ALL RESET
		211-220	XY RESET
		221-230	COLOR SYSTEM RESET
		231-240	GOBO RESET
		241-250	FOCUSIZOOMIFROSTIPISM RESET
		251-255	NO FUNCTION