4-Channel DMX512 Decoder

User Manual — DMX channel functions, menu operation and specifications

1. DMX Channel Function Table

1-Channel Mode (H001 status)

Channel	Function	Description
CH1	W dimming	CH1–CH4 master white dimming, from dark to bright

2-Channel Independent Dimming Mode (F001 status)

Channel	Function	Description
CH1	WW dimming	CH1–CH2 warm white dimming, from dark to bright
CH2	CW dimming	CH3–CH4 cool white dimming, from dark to bright

2-Channel Color Temperature Control Mode (E001 status)

Channel	Function	Description
CH1	Master dimming	W master dimming: CH1–CH2 control warm white, CH3–CH4 control cool white, from dark to bright
CH2	Color temperature	Color temperature adjustment, from low to high

4-Channel Mode (D001 status)

Channel	Function	Description
CH1	R dimming	CH1 red dimming, from dark to bright
CH2	G dimming	CH2 green dimming, from dark to bright
CH3	B dimming	CH3 blue dimming, from dark to bright
CH4	W dimming	CH4 white dimming, from dark to bright

5-Channel Mode (C001 status)

Channel	Function	Description
CH1	Master dimming	R, G, B, W master dimming (CH1–CH4), from dark to bright
CH2	R dimming	CH1 red dimming, from dark to bright
CH3	G dimming	CH2 green dimming, from dark to bright
CH4	B dimming	CH3 blue dimming, from dark to bright
CH5	W dimming	CH4 white dimming, from dark to bright

6-Channel Mode (L001 status)

Channel	Function	Description
CH1	R dimming	CH1 red dimming, from dark to bright
CH2	G dimming	CH2 green dimming, from dark to bright
CH3	B dimming	CH3 blue dimming, from dark to bright
CH4	Function selection	000–025: controlled by CH1, CH2, CH3, CH5, CH6 026–075: static color 076–125: gradual fade 126–175: pulse change 175–225: 4-color jump 226–255: 8-color jump
CH5	Strobe	Color-selected strobe across CH1–CH5, from slow to fast
CH6	Master dimming	R, G, B, W master dimming (CH1–CH4), from dark to bright

8-Channel Mode (A001 status)

Channel	Function	Description
CH1	Master dimming	R, G, B, W master dimming (CH1–CH4), from dark to bright
CH2	R dimming	CH1 red dimming, from dark to bright
CH3	G dimming	CH2 green dimming, from dark to bright
CH4	B dimming	CH3 blue dimming, from dark to bright
CH5	W dimming	CH4 white dimming, from dark to bright
CH6	Strobe	Color-selected strobe across CH1–CH5, from slow to fast
CH7	Function selection	000–025: controlled by CH1–CH6 026–075: static color 076–125: gradual fade 126–175: pulse change 175–225: 4-color jump 226–255: 8-color jump
CH8	Function speed	Function speed, from slow to fast (acts as color selection when a color is output)

2. Display and Key Operation

The unit is fitted with a 4-digit 7-segment display and four keys — MENU, UP, DOWN and ENTER.

Key	Function
MENU	Function key — enter / leave the menu and step through the menu items
UP	Increase key — increase the displayed value
DOWN	Decrease key — decrease the displayed value
ENTER	Confirm key — confirm and save the setting

3. Display Menu Table

No.	Display	Value range	Function / description
1	A001	001–512	DMX512 address setting — 8-channel mode
2	C001	001–512	DMX512 address setting — 5-channel mode
3	L001	001–512	DMX512 address setting — 6-channel mode
4	D001	001–512	DMX512 address setting — 4-channel mode
5	E001	001–512	DMX512 address setting — 2-channel color temperature mode
6	F001	001–512	DMX512 address setting — 2-channel dimming mode
7	H001	001–512	DMX512 address setting — 1-channel mode
8	r255	000–255	CH1 single red dimming, from dark to bright
9	G255	000–255	CH2 single green dimming, from dark to bright
10	b255	000–255	CH3 single blue dimming, from dark to bright
11	u255	000–255	CH4 single white dimming, from dark to bright
12	CC15	00–15	7-color jump, from slow to fast
13	DE15	00–15	7-color gradual fade, from slow to fast
14	CP15	00–15	7-color pulse change, from slow to fast

4. Technical Specifications

Input voltage	DC 12–24 V
Output type	Constant voltage output
Output current	≤ 5 A per channel (CH1–CH4); 15 A maximum total
Signal input	Standard DMX512 signal via RJ45 connector
Compatible fixtures	RGB, RGBW, 1CH white, 4CH white, 2CH CW + WW, 2CH CT + D
Dimensions	142 × 50 × 25 mm
Weight	0.25 kg