

DMX protocols

RGB Mode

Start code = 0

Channel	Value	Percent	Function
1	0 - 255	0 - 100%	Red Intensity 0 →100%
2	0 - 255	0 - 100%	Green Intensity 0 →100%
3	0 - 255	0 - 100%	Blue Intensity 0 →100%

RGBAW Mode

Start code = 0

Channel	Value	Percent	Function
1	0 - 255	0 - 100%	Red Intensity 0 →100%
2	0 - 255	0 - 100%	Green Intensity 0 →100%
3	0 - 255	0 - 100%	Blue Intensity 0 →100%
4	0 - 255	0 - 100%	Amber Intensity 0 →100%
5	0 - 255	0 - 100%	White Intensity 0 →100%

HSI Mode

Start code = 0

Channel	Value	Percent	Function
1	0 - 255	0 - 100	Hue Red → Orange → Amber → Yellow → Green → Cyan → Blue → Indigo → Violet → Magenta → Red
2	0 - 255	0 - 100	Saturation Zero (white) → Full
3	0 - 255	0 - 100%	Intensity Intensity 0 →100%

In HSI mode, white color temperature is fixed at 5500 K.

HSIC Mode

Start code = 0

Channel	Value	Percent	Function
1	0 - 255	0 - 100	Hue Red → Orange → Amber → Yellow → Green → Cyan → Blue → Indigo → Violet → Magenta → Red
2	0 - 255	0 - 100	Saturation Zero (white) → Full saturation
3	0 - 255	0 - 100%	Intensity Intensity 0 → 100%
4	0 - 255	0 - 100	Color Temperature Control 2000 - 10 000 K

A DMX value of 191 (75%) must be sent on channel 4 to obtain a white color temperature of 5500 K.