CitySource 96 (RGBCW) - DMX protocol

Version 1.1

Mode/Channel						Value	Function	Type of control
1	2*	3	4	5	6			
-	1	1	1	-	-	0 - 255	**Red LEDs - both LED arrays** Red LEDs saturation control (0-100%)	proportional
-	2	2	2	-	-	0 - 255	**Green LEDs - both LED arrays** Green LEDs saturation control (0-100%)	proportional
-	3	3	3	-	-	0 - 255	**Blue LEDs - both LED arrays** Blue LEDs saturation control (0-100%)	proportional
-	-	4	4	-	-	0 - 255	**White LEDs - both LED arrays** White LEDs saturation control (0-100%)	proportional
-	-	-	-	1	1	0 - 255	**Red LEDs – LED array 1** Red LEDs saturation control (0-100%)	proportional
-	-	-	-	2	2	0 - 255	**Green LEDs - LED array 1** Green LEDs saturation control (0-100%)	proportional
-	-	-	-	3	3	0 - 255	**Blue LEDs - LED array 1** Blue LEDs saturation control (0-100%)	proportional
-	-	-	-	4	4	0 - 255	**White LEDs - LED array 1** White LEDs saturation control (0-100%)	proportional
-	-	-	-	5	5	0 - 255	**Red LEDs - LED array 2** Red LEDs saturation control (0-100%)	proportional
-	-	-	-	6	6	0 - 255	**Green LEDs - LED array 2** Green LEDs saturation control (0-100%)	proportional
-	-	-	-	7	7	0 - 255	**Blue LEDs - LED array 2** Blue LEDs saturation control (0-100%)	proportional
-	-	-	-	8	8	0 - 255	**White LEDs - LED array 2** White LEDs saturation control (0-100%)	proportional
1	-	-	5	-	9	0 1-15 16 17-55 56 57 - 95 96 97 – 134 135 136 - 174 175 176 -214 215	**Colour macros (255 values) – both LED arrays** No function (for DMX mode 4 and 6) White (for DMX mode 1) White tones (cool →warm) **Blue** (Blue=full, Red+Green+White=0) Red=0, Green→up,Blue =full, White=0 **Light Blue** (Red=0, Green=full, Blue =full, White=0) Red=0, Green=full, Blue→down, White=0 **Green** (Red=0, Green=full, Blue =0, White=0) Red→up, Green=full, Blue=0, White=0 **Yellow-green** (Red=full, Green=full, Blue=0, White=0) Red=full, Green→down, Blue=0, White=0 **Red**(Red=full, Green=0, Blue=0, White=0) Red=full, Green=0, Blue→up, White=0 **Magenta** (Red=full, Green=0, Blue=full, White=0)	step proportional step proportional step proportional step proportional step proportional step proportional step

CitySource 96 (RGBW)

Mode/Channel						Value	Function	Type of control
1	2*	3	4	5	6			
1	-	-	5	-	9	216 - 254 255	**Colour macros – both LED arrays** Red→down, Green=0, Blue=full, White=0 **Blue** (Red=0, Green=0, Blue=full, White=0)	proportional step
-	-	-	6	-	10	0-31 32-63 64-95 96-127 128-143 144-159 160-191 192-223 224-255	**Shutter/ Strobe – both LED arrays** Shutter closed Shutter open Strobe-effect from slow to fast Shutter open Opening pulses in sequences slow--> fast Closing pulses in sequences fast --> slow Shutter open Random strobe-effects from slow to fast Shutter open	step step proportional step proportional proportional step proportional step
2	-	-	7	-	11	0 - 255	**Dimmer – both LED arrays** Dimmer intensity from 0% to 100%	proportional
-	-	-	8	-	12	0 - 255	**Dimmer fine – both LED arrays** Fine dimmer intensity from low to high	proportional

*White LEDs lit proportionally when Red+Green+Blue LEDs are saturated together.