

CHARTE DMX SENZO



SONOSS

User interface

At the power up, a scrolling text shows the device name and the current software version.

A	d	d	r.
UP			ENTER
DOWN			MENU/ ESC

Menu

Menu items can be scrolled via UP and DOWN keys. Enter the menu items by pressing ENTER, modify their value with UP and DOWN and confirm by pressing ENTER. Leave the value unchanged by pressing MENU.

Menu Tree

A001	Dmx Address (Default=001)
001..512	
MASL	Master Slave mode
Co.01	Colour preset 1
...	(Press Enter to change preset settings)
Co.12	Colour preset 12
r.000	Red level (for selected preset)
g.000	Green level
b.000	Blue level
w.000	Blue level
s.000	Strobo
n.000	Rainbow
d.000	Dimmer
Pr.01	Program 1
...	(Press Enter to change program settings)
Pr.08	Program 8

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Scn.0	Number of scenes of selected program
P.00.0	Still time for scenes [seconds]
F.00.0	Fade time to next scene [seconds]
1.cXX	Preset choice for scene 1
...	...
9.cXX	Preset choice for scene 9
Mode	Dmx Personality
One channel	1 channel mode
RGBW 4Channels 8bit	RGBW 4 channels, 8 bit mode
RGBW 5Channels 8bit	RGBW 5 channels, 8 bit mode
RGBWE 8Channels 8bit	Complex mode – special effects
RGBW 8Channels 8bit	RGBW 13 channels, 16 bit mode
RGBW 13Channels 16bit	RGBW 8 channels, 8 bit mode
RGBW 64Channels 8 bit	RGBW 64 channels, 8 bit mode (DEFAULT)
HSV 4Channels 8 bit	HSV 4 channels, 8 bit mode
CMYK 5Channels 8 bit	CMYK 5 channels, 8 bit mode
Temp	Temperature visualisation
045.3	Celsius or Fahrenheit scale
MaxT	Maximum Temperature since reboot
055.1	Celsius or Fahrenheit scale
Unit	Temperature measure unit
Celsius	Celsius scale selection (DEFAULT)
Fahren	Fahrenheit scale selection
Boos	Boost light power(*)
OFF	Standard current (DEFAULT)
ON	Boost Current
Smoo	Dimming speed: fast (00) → slow (20)
00..8	Default = 4
Gamm	Gamma correction
1..2	1 = linear, 2 = quadratic (default)
CalR	Red level user calibration

CalG	Green level user calibration
CalB	Blue level user calibration
CalW	White level user calibration
000..255	DEFAULT = 255
Def	Reset of the default values
Canc	Cancel
Rese	Do reset
Vers	Software version (also shown at boot)
SerN	Serial number

(*) Turn on Boost future only for short times.

Temperature control

Temperature control system operates on light intensity in order to keep read temperature under the value set by TSET parameter.
If temperature gets over 100°C, light output is automatically limited to 5%.

Power cycles

After a power cycle the device operates the last selected mode (DMX, Colour preset, or Program).

Master slave mode

Enter Master Slave mode by entering MASL menu on the master device. Setup the slaves on DMX address 1 and "RGBW 8Channels 8 bit" mode.

Note: if you try to set up Master Slave mode while a DMX is being received, Master Slave mode access is denied and a message "DMX line is busy" is shown.

RDM (Remote Device Management)

The device can be remotely controlled by an RDM controller conforming to RDM standard v.1.0/2006.
Supported RDM commands are:

DEVICE_INFO

IDENTIFY_DEVICE
DMX_START_ADDRESS
SOFTWARE_VERSION_LABEL
SUPPORTED_PARAMETERS
PARAMETER_DESCRIPTION
DMX_PERSONALITY
DMX_PERSONALITY_DESCRIPTION

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DMX Personalities maps

One channel

Ch	Nome	Dmx Levels	
1	CHANNEL ONE	0..15	Lights OFF 0%
		16..191	Constant colours: from red (16) to magenta (191)
		192..247	Rainbow: slow (192) to fast (247)
		248..255	Lights ON 100%

RGBW 4 Channels 8 bit

Ch	Nome	Dmx Levels	
1	RED	0..255	0% to 100%
2	GREEN	0..255	0% to 100%
3	BLUE	0..255	0% to 100%
4	WHITE	0..255	0% to 100%

RGBW 5 Channels 8 bit

Ch	Nome	Dmx Levels	
1	RED	0..255	0% to 100%
2	GREEN	0..255	0% to 100%
3	BLUE	0..255	0% to 100%
4	WHITE	0..255	0% to 100%
5	DIMMER	0..255	0% to 100%

RGBWE 8 Channels 8 bit ("COMPLEX MODE – SPECIAL EFXS)

Ch	Nome	Dmx Levels	
1	RED	0..255	0% to 100%
2	GREEN	0..255	0% to 100%
3	BLUE	0..255	0% to 100%
4	WHITE	0..255	0% to 100%
5	EFFECT	0..31	No effect
		32..95	Fixed Colour All LEDs are lit with the same colour. Choose the colour with PARAM1 and the saturation with PARAM2
		96..159	Shift Right A spot moves to the right with a speed defined by PARAM2. Set its color with PARAM1.
		160..191	Shift Left A spot moves to the left with a speed defined by PARAM2. Set its color with PARAM1.
		192..223	Wave Right A rainbow of size defined by PARAM1 moves to the right with a speed defined by PARAM2.
		224..255	Wave Left A rainbow of size defined by PARAM1 moves to the left with a speed defined by PARAM2.
6	PARAM1	0..255	Effect Modifier (see Effect Table)
7	PARAM2	0..255	Effect Modifier (see Effect Table)
8	EFFECT INTENSITY	0..255	Effect Light Intensity

Mixing

The effect defined by channels 5, 6, 7 and 8 is mixed with the colour level defined by channels 1, 2, 3 and 4 with a HTP technique (Highest Takes Precedence).

RGBW 8 Channels 8 bit

Ch	Nome	Dmx Levels	
1	RED	0..255	0% to 100%
2	GREEN	0..255	0% to 100%
3	BLUE	0..255	0% to 100%
4	WHITE	0..255	0% to 100%
5	STROBO	0..15	Strobo off
		16..85	PULSE UP: Slow (16) to fast (85)
		86..155	STROBO: Slow (86) to fast (155)
		156..225	PULSE DOWN: Slow (156) to fast (225)
		226..230	Lights off (0%)
		231..250	RANDOM STROBO: slow (231) to fast (250)
6	RAINBOW	251..255	Strobo off
		0..15	Rainbow off
		16..191	Constant colours: red (16) to magenta (191)
		192..255	Rainbow: Slow (192) to fast (255)
7	DIMMER	0..255	0% to 100%
8	COLTEMP	0..15	Color temperature correction disabled
		16..255	From 2300K to 7200K

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RGBW 13 Channels 16 bit

<i>Ch</i>	<i>Name</i>	<i>Dmx Levels</i>	
1	RED	0..255	0% to 100%
2	RED FINE	0..255	0% to 100%
3	GREEN	0..255	0% to 100%
4	GREEN FINE	0..255	0% to 100%
5	BLUE	0..255	0% to 100%
6	BLUE FINE	0..255	0% to 100%
7	WHITE	0..255	0% to 100%
8	WHITE FINE	0..255	0% to 100%
9	STROBO	0..15	Strobo off
		16..85	PULSE UP: Slow (16) to fast (85)
		86..155	STROBO: Slow (86) to fast (155)
		156..225	PULSE DOWN: Slow (156) to fast (225)
		226..230	Lights off (0%)
		231..250	RANDOM STROBO: slow (231) to fast (250)
10	RAINBOW	251..255	Strobo off
		0..15	Rainbow off
		16..191	Constant colours: red (16) to magenta (191)
11	DIMMER	192..255	Rainbow: Slow (192) to fast (255)
		0..255	0% to 100%
12	DIMMER FINE	0..255	0% to 100%
13	COLTEMP	0..15	Color temperature correction disabled
		16..255	From 2300K to 7200K

64 Channels 8 bit

<i>Ch</i>	<i>Name</i>	<i>Dmx Levels</i>	
1	RED1	0..255	0% to 100%
2	GREEN1	0..255	0% to 100%
3	BLUE1	0..255	0% to 100%
4	WHITE1	0..255	0% to 100%
5	RED2	0..255	0% to 100%
6	GREEN2	0..255	0% to 100%
7	BLUE2	0..255	0% to 100%
8	WHITE2	0..255	0% to 100%
...			
61	RED16	0..255	0% to 100%
62	GREEN16	0..255	0% to 100%
63	BLUE16	0..255	0% to 100%
64	WHITE16	0..255	0% to 100%

HSV 4 Channels 8 bit

<i>Ch</i>	<i>Name</i>	<i>Dmx Levels</i>	
1	HUE	0..255	Colour selection (Hue)
2	SATURATION	0..255	RGB LEDs: Colour saturation (0=white, 255=maximum saturation). White LEDs: 100% (0) to 0% (255).
3	VALUE	0..255	Light intensity (0 to 100%)
4	STROBO	0..15	Strobo off
		16..85	PULSE UP: Slow (16) to fast (85)
		86..155	STROBO: Slow (86) to fast (155)
		156..225	PULSE DOWN: Slow (156) to fast (225)
		226..230	Lights off (0%)
		231..250	RANDOM STROBO: slow (231) to fast (250)
		251..255	Strobo off

CMYK 5 Channels 8 bit

<i>Ch</i>	<i>Name</i>	<i>Dmx Levels</i>	
1	CYAN	0..255	FILTER: from OPEN (0) to CLOSED (255)
2	MAGENTA	0..255	FILTER: from OPEN (0) to CLOSED (255)
3	YELLOW	0..255	FILTER: from OPEN (0) to CLOSED (255)
4	KEY BLACK	0..255	FILTER: from OPEN (0) to CLOSED (255)
5	STROBO	0..15	Strobo off
		16..85	PULSE UP: Slow (16) to fast (85)
		86..155	STROBO: Slow (86) to fast (155)
		156..225	PULSE DOWN: Slow (156) to fast (225)
		226..230	Lights off (0%)
		231..250	RANDOM STROBO: slow (231) to fast (250)
		251..255	Strobo off

No Dmx Behaviour

When DMX is not received, the device behaviour is defined by the last DMX packet received. Display blinks to inform the user that DMX is not being received.

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