AREA 48 SOFT

Square curve on Indicator

Strobe OFF Indicator

Response slow indicator

16 bit Indicator

DMX present indicator

`888888`

MENU	Open menu / Go back
ENTER	Select / Confirm
UP	Scrolling UP / Increase value
DOWN	Scrolling DOWN / Decrease value

MENU ENTER UP DOWN

Introduction

When updating to software version 1.4.00 any adress or user specified settings are not affected by the update.
The Area 48 Soft is a powerful softlight that utilizes remote phosphor technology.
The advantage is the ability to change color temperature at will. The disadvantage is that the powerful
blue leds are harmful to your eyesight. To avoid any damage a safety switch is installed.
This means that the unit will only switch on if remote phosphor media is installed and the switch is locked.

No Remote phosphor
media installed.

Remote phosphor media
installed - switch unlocked.

Remote phosphor media
installed - switch locked.

Default settings

When receiving the Area 48 Soft, the default settings are:
DMX resolution: 16 bit - Smooth dimming
Strobe: OFF - Strobe is disabled.
Display: Off after 2 minutes - Display switches of after 2 minutes of no activity
NO DMX: Hold - If DMX signal is lost, the Area 48 Soft will hold the last sent level.
Curve: Square - The dimming curve is adjusted for LEDs.
Response: Slow - The slow response makes dimming more smooth. The FAST setting is for quick level changes.
                Neither slow nor fast affects strobing.
Adress: 001 - The DMX adress setting.

Reset

The unit can be reset to default from menu or by pressing and holding the menu button within the first 5
seconds after switching on the power until the display reads: RESET

Display orientation

The display readout can be flipped up side down by pressing the UP and DOWN buttons simultaneously.

Start up

At powerup there is a delay of 5 seconds before the unit is operational.

Software version

Press and hold the DOWN button pressed within the first 5 seconds after switching the unit on until the
displays shows the software version or find the information via the menu.

AREA 48 SOFT

Manual operation (No DMX connected)

When the Area 48 Soft is switched on the display will show the light level
e.g. **" 0"**
Use the **UP** and **DOWN** buttons to set the desired light level.
The level will be autosaved after 10 seconds, indicated by display readout **"SAVED"** or
can be saved instantly by pressing **ENTER** after setting the light level.
After saving a light level the **ENTER** button can be used to toggle between 0 and the saved level.
The display reads out "MANUAL" for 0 and a number for the stored intensity level.

If power is lost, the unit will, when power is restored, automatically go to the saved light level after 5 seconds.

If a DMX signal is connected when in Manual mode, the unit will switch to DMX mode.
Removing the DMX signal will **not** cause the unit to switch back to Manual mode.
To reenter Manual mode; remove DMX signal and switch unit off and then back on.

Battery power operation

Not all batteries V lock or Bauer can handle the powerdraw on 100 % , there is typically 3 types;
older and more modern.

The unit is consuming up to 125 watts on batteries.

Type old discharges around 6 Amps meaning 6 Amps x 13 volts =78 volts =approx. 60 %

Most standard around 8 Amps meaning 8Amps x 13 volts = 104 watts = approx. 80 %

New types discharges more than 10 Amps meaning 10 Amps x 13 Volts = 130 watt. = approx. 100 %

If you experience that the unit switches off after a couple of seconds and reboots it may be for 2 reasons
A.   The battery is down (close to empty)
B.   The Battery cannot handle the load

We have made the following function to avoid the situation where the unit is set to 100 %
and you cannot change it because the battery switches off before you can set it to a lower %

Disconnect the battery, reconnect the battery and within the first 5 seconds press and hold ENTER
until the display reads: **MAN 00**
Now you can use the up and down buttons to select a level your batteries can handle.

MODE FEATURES EXPLAINED

Resolution:	8 bit:	Less DMX channels used.
	16 bit:	Smoother fades.
Response:	Slow:	Fades between values. Smoother fades.
	Fast:	Snaps between values. Fast operation.
Strobe:	OFF:	Less DMX channels used.
	ON:	Strobe function added.
Curve:	Square:	Dimmer curve designed for LEDs
	Linear:	Standard dimmer curve
noDMX:	HOLD:	If DMX signal is lost, the unit will maintain the last value received.
	OFF:	If DMX signal is lost, the unit will go to 0% light level.
	MAN:	If DMX signal is lost, the unit will go to the saved manual light level
Display:	OFF 2n:	The display will switch off after 2 minutes of idle operation.
	ON:	The display will always be on.

DMX Operation:

When a DMX cable is connected and is transmitting DMX signal from a DMX controller,
the unit will indicate that that DMX is being received by turning on the DMX present indicator in the display.

If a unit is started up without DMX present it will start up in manual mode, but will switch to DMX
mode as soon as a DMX signal is detected.

The unit will stay in DMX mode even if DMX signal is lost. The behavior of the the unit in case of the signal
loss can be set in the menu under Mode - noDMX   see below.

At start up the display readout shows the set DMX Adress: e.g. A   1

DMX Channels

Mode	Channel	Parameter	Value	Percent	Function
8 Bit	1	Dimmer	0 - 255	0 - 100	Coarse dimming
8 Bit	1	Dimmer	0 - 255	0 - 100	Coarse Dimming
w. Strobe	2	Strobe	0 - 5	0	Open
		mode	6 - 125	1 - 49	Slow to Fast Strobe
			126 - 130	50	Open
			131 - 250	51 - 99	Slow to Fast Random
			251 - 255	100	Open
	3	Strobe length	0	0 - 100	Short to Long Flash
16 Bit	1	Dimmer	0 - 255	0 - 100	Coarse dimming
	2	Dimmer	0 - 255	0 - 100	Fine dimming
16 Bit	1	Dimmer	0 - 255	0 - 100	Coarse dimming
w. Strobe	2	Dimmer	0 - 255	0 - 100	Fine dimming
	3	Strobe	0 - 5	0	Open
		mode	6 - 125	1 - 49	Slow to Fast Strobe
			126 - 130	50	Open
			131 - 250	51 - 99	Slow to Fast Random
			251 - 255	100	Open
	3	Strobe length	0	0 - 100	Short to Long Flash

Note: Beware, when using Strobe Lenght, that if the Strobe Lenght is egual to or longer than
the flash and interval between flashes, the unit will not strobe.
If maximum strobe length is used the fastest strobe possible will be 17 (7%)

AREA 48 SOFT SOFTWARE MANUAL

MENU TREE

Addr	1	DMX adress value **1** - 512

Mode	Resolution	8 bit resolution
		16 bit resolution (default)
	Response	**Slow** (fade between values) **(default)**
		Fast (snap between values)
	Curve	**Square** dimmer curve **(default)**
		Linear dimmer curve
	Strobe	**OFF (default)**
		On - (adds 2 strobe channels)
	noDMX	*Action when loss of DMX signal:*
		HOLD - last received DMX value **(default)**
		OFF - Sets output to zero
		MAN - Go to Manual DMX value
	Display	**OFF 2n** - Display off after 2 minutes **(default)**
		ON - Display always on

Tools	Ver	Shows software version - *READOUT ONLY*
	HW Ver	Shows hardware version - *READOUT ONLY*
	L Temp	LED temperature - *READOUT ONLY*
	P Temp	PCB temperature - *READOUT ONLY*
	DMX In	3 first digits shows DMX adress - *READOUT ONLY*
		3 last digits shows DMX value - *READOUT ONLY*
		Using up and down dmx value for all channels can be viewed.
	Reset	Confirm (Reset unit by pressing enter)
	test display	Display test - all seven segments of each digit on - *READOUT ONLY*
	Log	Log C°	Minimum and maximum logged LED temperature in °C
			UP and DOWN scrolls min. and max.
		MaxPCB	Maximum logged PCB temperature in °C
		on time	PSU on time in hours - *READOUT ONLY*
		on LED	LED on time in hours - *READOUT ONLY*
		on Cnt	Conuts number of times unit has been switched on.
		Demo	Demo of 1 min. fade 0 - 100 % - repeatedly.
		PSU U	PSU voltage in Volts - *READOUT ONLY*
		DMX HZ	DMX refresh rate - *READOUT ONLY*
		DMX CH	No. of DMX ch. transmitted by controller. - *READOUT ONLY*
		DMX br	Break lenght of DMX in microseconds - *READOUT ONLY*

Manual	0	Manual intensity **0** - 100%
		Intensity saved when pressing ENTER
		(Display is always on in manual mode)