

## Introduction

When updating software, any address or user specified settings are not affected by the update.

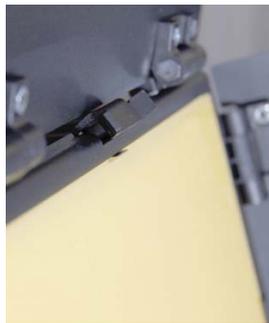
The Area 48 Soft is a powerful softlight that utilizes remote phosphor technology.

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 or resetting the unit, the default settings are:

DMX resolution: 16 bit - Smooth dimming

Response: Slow - The slow response makes dimming more smooth. The FAST setting is for quick level changes. Neither slow nor fast affects strobing.

Curve: Square - The dimming curve is adjusted for LEDs.

Strobe: OFF - Strobe is disabled.

NO DMX: Hold - If DMX signal is lost, the Area 48 Soft will hold the last received DMX values.

Display: Off after 2 minutes - Display switches off after 2 minutes of no activity

Address: 001 - The DMX address 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 display shows the software version or find the information via the menu.

## 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 "MANUAL" doesn't give you level "0", check that "noDMX" is not set to "man")

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 OR navigate to MANUAL in the menu

## 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 watt = approx. 60 %

Most standard around 8 Amps meaning 8Amps x 13 volts = 104 watt = 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 a unit has a stored level of 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.
Curve:	Square: Dimmer curve designed for LEDs Linear: Standard dimmer curve
Strobe:	OFF: Less DMX channels used. ON: Strobe function added.
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
<hr/>					
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	0	0 - 100	Short to Long Flash
		length			
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16 Bit	1	Dimmer	0 - 255	0 - 100	Coarse dimming
	2	Dimmer	0 - 255	0 - 100	Fine dimming
<hr/>					
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
	4	Strobe	0	0 - 100	Short to Long Flash
		length			

Note: Beware, when using Strobe Length, that if the Strobe Length is equal 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 approx. 17 ( 7% )

Note: Beware, when setting the DMX adress, that the last possible adress is determined by the number of channels the fixtures needs for the modes that have been set.

Last possible adress:

8bit - strobe OFF :512, 8bit - strobe ON :510, 16bit - strobe OFF :511, 16bit - Strobe ON :509

IF DMX adress is first set at 512 and then the modes are changed, the DMX adress remains set at 512 and you need to manually change to the last possible adress. Hint: If you go to adress 001 and then back, the fixture will update the last possible adress. Remember to press enter to save.

## MENU TREE

Addr	1	DMX adress value <b>1</b> - 512	
Mode	Resolution	8 bit resolution <b>16 bit resolution (default)</b>	
	Response	<b>Slow</b> (fade between values) <b>(default)</b> Fast (snap between values)	
	Curve	<b>Square</b> dimmer curve <b>(default)</b> Linear dimmer curve	
	Strobe	<b>OFF (default)</b> On - (adds 2 strobe channels)	
	noDMX	Action when loss of DMX signal: <b>HOLD</b> - last received DMX value <b>(default)</b> OFF - Sets output to zero MAN - Go to Manual DMX value	
	Display	<b>OFF 2n</b> - Display off after 2 minutes <b>(default)</b> ON - Display always on	
	Tools	Ver	Shows software version - <i>READOUT ONLY</i>
		HW Ver	Shows hardware version - <i>READOUT ONLY</i>
L Temp		LED temperature - <i>READOUT ONLY</i>	
P Temp		PCB temperature - <i>READOUT ONLY</i>	
DMX In		3 first digits shows DMX adress - <i>READOUT ONLY</i> 3 last digits shows DMX value - <i>READOUT ONLY</i> <i>Using up and down dmx value for all channels can be viewed.</i>	
Reset		Confirm (Reset unit by pressing enter)	
test display		Display test - all seven segments of each digit on - <i>READOUT ONLY</i>	
Log		Log C°	Minimum and maximum logged LED temperature in °C UP and DOWN scrolls min. and max.
		MaxPCB on time on LED on Cnt	Maximum logged PCB temperature in °C PSU on time in hours - <i>READOUT ONLY</i> LED on time in hours - <i>READOUT ONLY</i> Counts number of times unit has been switched on.
		Serial	Internal serial number used as service number.
	Demo	Demo of 1 min. fade 0 - 100 % - repeatedly.	
	PSU U	PSU voltage in Volts - <i>READOUT ONLY</i>	
	DMX HZ	DMX refresh rate - <i>READOUT ONLY</i>	
	DMX CH	No. of DMX ch. transmitted by controller. - <i>READOUT ONLY</i>	
	DMX br	Break lenght of DMX in microseconds - <i>READOUT ONLY</i>	
Manual	0	Manual intensity <b>0</b> - 100% Intensity saved when pressing ENTER (Display is always on in manual mode)	

# AREA 48 SOFT

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## FAQ - TROUBLE SHOOTING

Power is on but the display doesn't switch on

1. Make sure remote phosphor media is installed
2. Make sure the safety switch is properly locked
3. Check the power level of your battery
4. Check if the light is on in your PSU

The luminaire is flashing

1. Check the power level of your battery
2. Check your strobe settings vs. your patch
3. Check to see if you have set it for strobing.

Only some LEDs in one fixture lights up

1. The LED PCB is faulty - Contact your dealer

The light on the PSU is flashing

1. There's a short circuit - Contact your dealer

At upstart the display changes  
between bl\_X\_XX and 4572

1. Software upload has been interrupted.  
Upload new software.

In manual mode "ENTER" only switches between  
"MANUAL" and the saved light level in the display, but  
not in the output.

1. Check that "noDMX" is not set to "Man"

The Area 48 does not respond to DMX

1. Is a DMX cable correctly connected to DMX IN
2. Is the "DMX present" indicator ON
3. Check under "DMX In" in the menu if the unit  
receives any DMX values on the respective channels.

# AREA 48 SOFT

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## Version 2.0.05

Changes from previous version :

### Software Changes:

- **Indicators** for Mode settings.  
The indicators now follow the same order as the menu  
Indicator 1: Resolution - On: 8 bit / Off: 16 bit  
Indicator 2: Response - On: Fast / Off: Slow  
Indicator 3: Curve - On: Linear / Off: Square  
Indicator 4: Strobe - On: Strobe ON / Off: Strobe OFF  
The indicators now show if changes have been made to default settings.
- **Button** response has been adjusted in an attempt to minimize "doubleclicking"
- **LED eeprom** removed as an item from the menu.
- **Show version**  
The unit no longer shows software version at start up.  
To show software version: Hold the DOWN button when switching the unit on.

### New Functions:

- **Reset** - When switching on the unit while holding MENU button in the unit will reset.
- **DMX/Manual modes**  
When switching on unit without DMX signal present the unit goes to manual mode.  
If DMX is present the unit will automatically go to DMX mode.
- **On/Off switch**  
When switching on the unit without DMX signal present (manual mode),  
the ENTER button functions as an On/Off switch  
(Unless DMX signal is added or if noDMX is set to manual)
- **Manual level saving:**  
The Area48 now autosaves the manually set value after 10 seconds
- **Added warning** if supply voltage is out of range, for advanced troubleshooting.
- **Battery lockup:**  
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.
- **Power On Count** added to menu to count number of times unit have been turned on.
- **Internal serial number** a 22 digit serial number used as a service number

### Bugs:

- **Strobe-Intensity Bug 1 (and 2) fixed:**  
When switching the intensity off during strobe, the intensity would hang at either on or off  
depending on the strobe.  
This also caused the intensity not to respond to fade down and then up, while strobing.  
Further more the intensity had no effect when strobing. All Fixed.
- **Timer instability:** Updated timer for Fixture On Count and Led On Count to avoid instability.
- **Temp Bug:** When temp sensor registered very low temperatures, these were registered as very high.  
Temp warning when minus temperature is fixed, so it only shows the temperature.