

# POCKET SCAN

## Instruction Manual

From Version 1.0



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## 1 Introduction



Illustration 1-1

## 1.1 Safety Rules

The **POCKET-SCAN** is a High-Tech Product. To guarantee a smooth operation, it is necessary to keep following rules.

1. Make sure that the mirror of the **POCKET-SCAN**, can move without any mechanical problems and that all fan openings are clean and not blocked by anything.
2. Touching the mirror while moving can cause serious injuries
3. **Unplug the POCKET-SCAN from the AC outlet before any service**
4. It is necessary to wait at least 15 minutes after disconnecting the AC before you open the **POCKET-SCAN**. Please do not touch the Bulb if you are not absolutely sure it is cold. **-Danger of BURNING-**
5. To allow a secure operation, follow also the Installation guide described in chapter 2. Operating the **POCKET-SCAN** without suited safety aids like Safety cables or clamps/hooks can increase the risk of an accident.
6. The installation should be done by qualified staff only. You need to pay attention to the common rules of technology that are not explicit mentioned in this manual.

## 2 Installation

### 2.1 Mounting

Mount clamps and/or hooks directly to the bow of the **POCKET-SCAN**.

Please make sure to use right sized clamps and hooks and fit them securely.

The **POCKET-SCAN** is fully operational whether it hangs or is mounted to the wall.

### 2.2 Secure the **POCKET-SCAN**

Use always safety wires to secure the **POCKET-SCAN**, connect them with the eyelet (see Drawing 1-1 Chapter 1 ) and check the tight fit!

## 2.3 Connectors

### 2.3.1 AC Connectors

230/120 Volt, 50/60 Hz

Please see printing on the case for the right power supply !

### 2.3.2 DMX

DMX 512 Standard input/output

Please see printing on the case for the right Pin usage!

[+] = Pin 3 / [-] = Pin 2 / [Ground] = Pin 3

The **POCKET-SCAN** starts at the DMX- Address [001].

## 2.4 Fuses

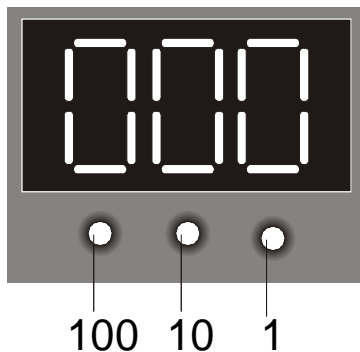
The **POCKET-SCAN** electronic system is protected by 5x20 T1.0A fuse 250V, or 5x20 T2.0A fuse 120V. Please see the printing on the **POCKET-SCAN**.

**Disconnect AC outlet before changing a fuse !!!**

## 3 DMX- Addresses / Basic Functions

Adjust the DMX- Address and the basic functions direct at the display of the **POCKET-SCAN**.

### 3.1 Adjust the DMX- Address



To adjust the DMX- Address please connect the **POCKET-SCAN** to the AC power and use the three keys of the display to make your adjustments.

“Key 100” for the 100 digits.

“Key 10” for the 10 digits.

“Key 1” for the 1 digits.

Counting upwards.

## 3.2 *Special Functions*

### 3.2.1 **Reset Function**

After switching on the **POCKET-SCAN** a Reset is made automatically. While the Reset „rst“ is shown in the display.

You can make a Reset also via DMX direct from your controller. Therefore select the following DMX- adjustments.

Channel 7 (Laser)      DMX-Value: 240 – 250 (for longer than 5 sec.)

## 3.3 *Sound Function*

If the **POCKET-SCAN** is not in the Master- Mode it will switch automatically to the sound function if there is no DMX- Signal. If the scans should operate synchronously you have to connect them with DMX cables. One **POCKET-SCAN** is then the Master (be in Master/Send- Mode) all other scans must be in the Receive- Mode.

### 3.3.1 Switch between Master- and Receive- Mode

You can switch between the Master- and Receive- Mode by holding the "Key 100" of the display while switching on the **POCKET-SCAN**.

For the Master/Send- Mode you see „S-F“ (fast) or „S-S“ (slow) in the display.

For the Receive- Mode you see „rEC“ in the display.

### 3.3.2 Adjust the Speed of the internal Program

If the **POCKET-SCAN** is in the Master/Send- Mode you can choose between *Send* fast or *Send* slow. Therefore hold the "Key 10" of the display while switching on the **POCKET-SCAN**.

„S-F“ (Send- Mode fast): Internal program (fast).

„S-S“ (Send- Mode slow): Internal program (slow).

### 3.4 Switch off the Lamp

If the Shutter is closed for longer than 1 min. the lamp is switched off automatically. By any change of the Shutter- Channel the lamp will switched on immediately.

If the **POCKET-SCAN** is in the sound function and there is no music signal for longer than 1 min. the lamp will also switched off automatically. After any music signal the lamp will switched on immediately.
















### **3.5 Temperate Control**

Deviates the temperature value too much from the system standard, the lamp will turn off automatically.

Reconnection can only be made by authorized dealers.

#### 4 Channel Selection ( Overview Table )

Channel	Description	DMX-Value	Hex-Value	Value in %
<b>1) Pan</b>	Pan- Position	0 - 255	0 - FF	0 – 100%
<b>2) Tilt</b>	Tilt- Position	0 - 255	0 - FF	0 – 100%
<b>3) Color</b>	Color Correction Filter 5600K	0 -3	0 - 3	1%
	Half Color 1	4 - 7	4 - 7	2%
	Green 201	8 - 11	8 - B	3%
	Half Color 2	12 - 15	C - F	5%
	Orange 302	16 - 19	10 - 13	7%
	Half Color 3	20 - 23	14 - 17	8%
	Blue 101	24 - 27	18 - 1B	10%
	Half Color 4	28 - 31	1C - 1F	11%
	Yellow 603	32 - 35	20 - 23	13%
	Half Color 5	36 - 39	24 - 27	15%
	Pink 310	40 - 43	28 - 2B	16%
	Half Color 6	44 - 47	2C - 2F	18%
	Torques 208	48 - 51	30 - 33	19%
	Half Color 7	52 - 55	34 - 37	21%
	Red 304	56 - 59	38 - 3B	22%
	Half Color 8	60 - 63	3C - 3F	24%
	Cyan 104	64 - 67	40 - 43	25%
	Half Color 9	68 - 71	44 - 47	27%
	Magenta 507	72 - 75	48 - 4B	29%
	Half Color 10	76 - 79	4C - 4F	30%
	Magenta 501	80 - 83	50 - 53	32%
	Half Color 11	84 - 87	54 - 57	33%
	UV blue 108	88 - 91	58 - 5B	35%
	Half Color 12	92 - 95	5C - 5F	36%
	yellow 601	96 - 99	60 - 63	38%
	Half Color 13	100 - 103	64 - 67	40%
	Green 204	104 - 107	68 - 6B	41%
	Half Color 14	108 - 111	6C - 6F	43%
	Orange 306	112 - 115	70 - 73	44%
	Half Color 15	116 - 119	74 - 77	46%
	White	120 - 123	78 - 7B	47%
	Half Color 16	124 - 127	7C - 7F	49%

Channel	Description	DMX-Value	Hex-Value	Value in %
	Rotation, slow – fast CW	128 - 191	80 - BF	50 - 74%
	Rotation, slow – fast CCW	192 - 253	C0 - FD	75 - 99%
	Color change, music controlled	255	FF	100%
<b>4) Gobos</b>	Open	0 - 7	0 - 7	2%
	Gobo 2 	8 - 15	8 - F	5%
	Gobo 3 	16 - 23	10 - 17	8%
	Gobo 4 	24 - 31	18 - 1F	11%
	Gobo 5 	32 - 39	20 - 27	15%
	Gobo 6 	40 - 47	28 - 2F	18%
	Gobo 7 	48 - 55	30 - 37	21%
	Gobo 8 	56 - 63	38 - 3F	24%
	Gobo 9 	64 - 71	40 - 47	27%
	Gobo 10 	72 - 79	48 - 4F	30%
	Gobo 11 	80 - 87	50 - 57	33%
	Gobo 12 	88 - 95	58 - 5F	36%
	Gobo 13 	96 - 103	60 - 67	40%
	Gobo 14 	104 - 127	68 - 7F	41 - 49%
	Rotation, slow – fast CW	128 - 191	80 - BF	50 - 74%
	Rotation, slow – fast CCW	192 - 253	C0 - FD	75 - 99%
	Gobo change, music controlled	255	FF	100%
<b>5) Shutter</b>	Shutter closed	0 - 15	00 - 0F	0 - 5%
	Shutter frequency, slow – fast	16 - 239	10 - EF	6 - 93%
	Shutter open	240 - 255	F0 - FF	94 - 100%
<b>6) Speed</b>	Pan/Tilt, relative	0 - 15	00 - 0F	0 - 5%
	Pan/Tilt, slow – fast	16 - 250	10 - FA	6 - 98%
	Pan/Tilt, music controlled	255	FF	100%
<b>7) Laser</b>	Laser OFF	0 - 15	00 - 0F	0 - 5%
	Laser flashing, slow – fast	16 - 127	10 - 7F	6 - 49%
	Laser ON	128 - 191	80 - BF	50 - 74%

## 5 Change the Lamp

For a hassle free change of the Light bulb, it is absolutely necessary to follow all descriptions in this chapter step by step.

### 5.1 Safety Rules

- Unplug AC power connection
- Allow to cool (over 15 minutes)
- Don't touch lamp with bare fingers.
- Close the **POCKET-SCAN** before you connect the AC power!

### 5.2 How to change the lamp

Please also look at drawing 1-1.

1. Unscrew knurled screws on the Head cover
2. Remove Head Cover and put it aside
3. Remove Lamp carefully from its holder and disconnect lamp socket
4. Mount new lamp and close case using step 1-3 in reverse order

**Attention: Make sure that the lamp and the connectors fit in the right position and place !!!**

## 6 Maintenance the **POCKET-SCAN**

The cleaning of the inner optical System, color filters and color correction filter should be done by qualified person only! Contact your local **GLP** Dealer for details.

Use no strong detergents, acid etc. for cleaning the case.

### 6.1 *Optical System*

Clean the **POCKET-SCAN** optical system and the mirror with a moistened cloth and a little cleaner.

Remove the Lens holder to clean the lens

**ATTENTION: Let everything dry carefully before connect AC Power !!!**

### 6.2 *Cleaning the Fan*

It is necessary to clean the fan openings, air channels and fan gratings on a regular base (depending on the local environment).

**ATTENTION: If using the **POCKET-SCAN** basis on the floor requires a continuously flow of air into the base fan opening !!!**

## 7 Technical Data / Overview

- Power supply 230Volt: 5x20 1,0AT / 150V: 5x20 2,0AT
- Lamp: 12V 100W A1/271 GZ 6,35, 1500h
- DMX 512 Standard
- Pan 170° / Tilt 110°
- 15 colors + white
- 16 half colors
- 14 Gobos
- High Speed Shutter
- Laser diode
- RF- Unit
- Stand-alone music controlled
- Weight 4 kg
- Dimensions: 195 x 155 x 135 mm

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**GERMAN LIGHT**  
P R O D U C T S