



## INSTRUCTION FOR CAMERA SB-6400-96(M)-10

### 1) General

- 1) 1 second = 1 light (led) on left display.
- 2) The left display offers all the available options, and the one from the right indicates the chosen option.

### 2) Turning On Displays:

#### "One Second Click"

The One Second Click is used to exit the various menus and turn on the display lights.

- 1) Push on the calibration button once and the two displays will turn on.
  - a) The left display shows the pins from lane 1.
  - b) The right display shows the pins from lane 2.
  - c) On the two displays, the pins are numbered from left to right (1 to 10)
- 2) The two displays will shut down by themselves after 60 seconds.

### 3) Calibration:

#### "Two Seconds Click"

The Two Seconds Click is used to position the pins reading frame (calibration).

- 1) Make sure that the two machines (pinsetters) are turned on.
- 2) Make sure that the lights on the machines are turned on.
- 3) Make sure that there are 10 pins on each lane.
- 4) Make sure the masking is standing (on normal position).
- 5) Hold the calibration button for 2 seconds and then let go.
- 6) A light will scan the left display during the calibration of lane 1, and then it will scan the right one during calibration of lane 2.

1 leds = 1 second  
on the left display  
Selection in second

1	Pin display
2	Camera calibration
3	Camera Setup (1 Leds = Tenpin) (2 Leds = Candle) (3 Leds = Hard Duck) (4 Leds = Duckpin) (5 Leds = Fivepin)
4	Light level for lane 1
5	Light level for lane 2
6	Permanent display
7	Light level on the mask

To exit the menu, press  
one time on the button

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#### 4) **Configuration:**

##### **"Three Seconds Click"**

The Three Seconds Click is used to select in which mode the camera will read the pins.

- 1) Hold the calibration button during 3 seconds and then release.
- 2) The left display offers all the configuration options available for your pin type:
  - a) Tenpin : 1 light (led)
  - b) Candlepin : 2 lights (led)
  - c) Harduck : 3 lights (led)
  - d) Duckpin : 4 lights (led)
  - e) Fivepin : 5 lights (led)
- 3) Press once on the calibration button to confirm your choice and then the right display will show you the new configuration.
- 4) After changing the pin type, you need to do a calibration.

#### 5) **Light intensity on the pins:**

##### **"Four Seconds Click" (lane 1) or "Five Seconds Click" (lane 2)**

The Four or Five Seconds Click is used to adjust the light intensity level on the pins.

- 1) Check the light intensity on the mask with the Seven Seconds Click.
- 2) In order to check the light intensity on pins 3 and 9 of lane 1:
  - a) Hold the calibration button during 4 seconds on the left display.
  - b) Compare the two displays. On the one with the less lights turned on, write down how many leds are on (usually there is only 2 lights that are not).
  - c) Press once on the calibration button to exit this menu.
- 3) In order to check the light intensity on pins 2 and 8 of lane 2.
  - a) Hold the calibration button for 5 seconds on the left display.
  - b) Compare the two displays. On the one with the less lights turned on, write down how many leds are on.
  - c) Press once on the calibration button to exit this menu.
- 4) Find the lane with the lowest light intensity and adjust the other lanes with this one.

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#### 6) **Intensity Adjustment**

- 1) Find the lane with the lowest intensity and select the Four Seconds Click if it's lane 1 or the Five Seconds Click for lane 2.
  - 2) To increase the light intensity, turn very gently the intensity of the potentiometer anticlockwise on the front of the camera, in other words towards lane 2, in order to obtain a maximum of 8 lights turned on.
  - 3) If there is more than 8 lights turned on, turn the intensity of the potentiometer clockwise, in other words towards lane 1, to obtain only 8 lights turned on.
- 2) Always recalibrate after an intensity adjustment.

#### 7) **Keeping the display turned on:**

##### **"Six Seconds Click"**

The Six Seconds Click is used to maintain the two displays turned on permanently to allow the verification of the pins dropped one by one.

- 1) Hold the calibration button for 6 seconds on the left display, the two displays will always be turned on.
- 2) In order to exit this menu, you need to unplug the power cord of the camera (unplug the silver connector on the back of the camera – “Lane-ctrl communication”) and than plug it back.

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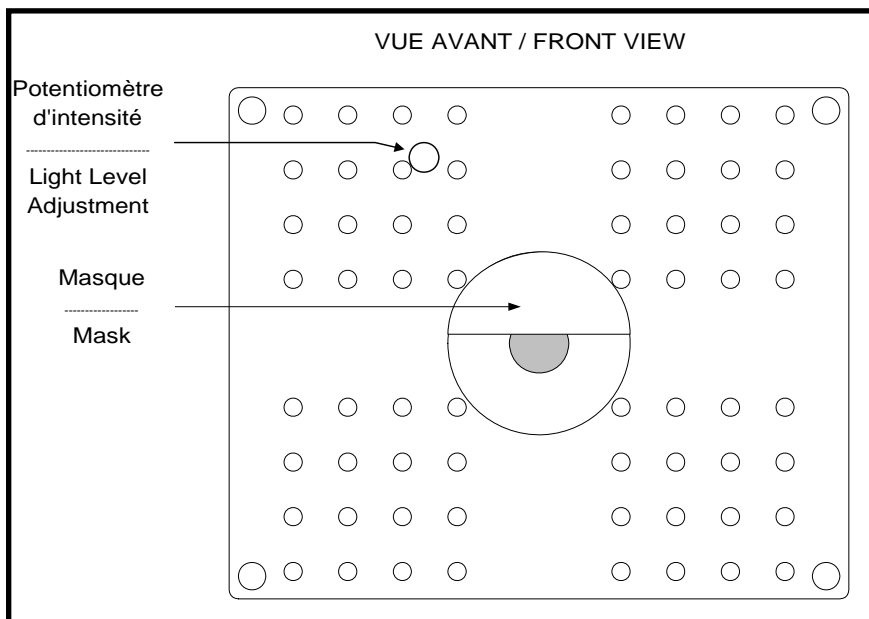
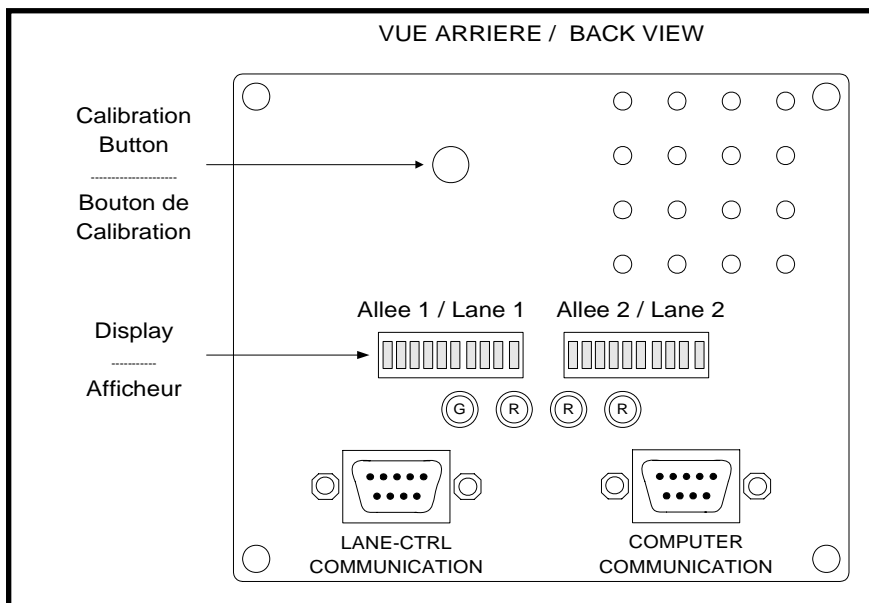
**8) Intensity on the mask:**

**" Seven Seconds Click"**

The Seven Seconds Click is used as an initial reference before doing the light intensity adjustment on the pins because there's a delay between the potentiometer and the electronic circuit reaction. This intensity is measured on the white obstructer in front of the lens.

- 1) Check this reference before adjusting the light intensity on the pins and write it down.  
In case you move too quickly the potentiometer intensity, your adjustment could be completely wrong. It will then be possible for you to readjust the initial value in this mode.
- 2) Hold the calibration button for 7 seconds on the left display and then write down how many lights are turned on as an initial reference.
- 3) Press once on the calibration button to exit this menu.

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