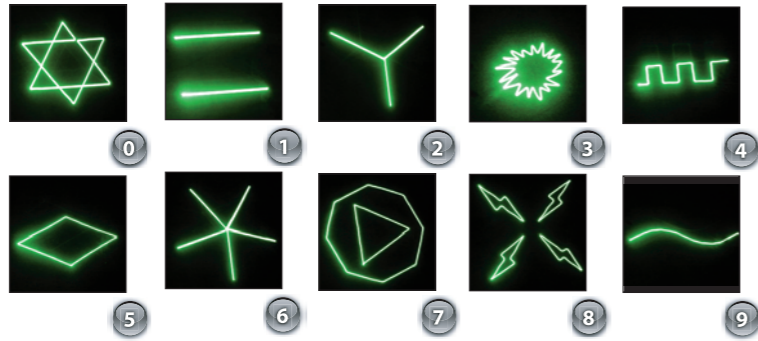


Now pressing the 3 will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:

**Page 1**

**Button 3**

- 0 = Star of David
- 1 = 2 x horizontal lines
- 2 = Y
- 3 = splat
- 4 = snake
- 5 = diamond
- 6 = spokes
- 7 = octagon / triangle
- 8 = lightning
- 9 = wavy line

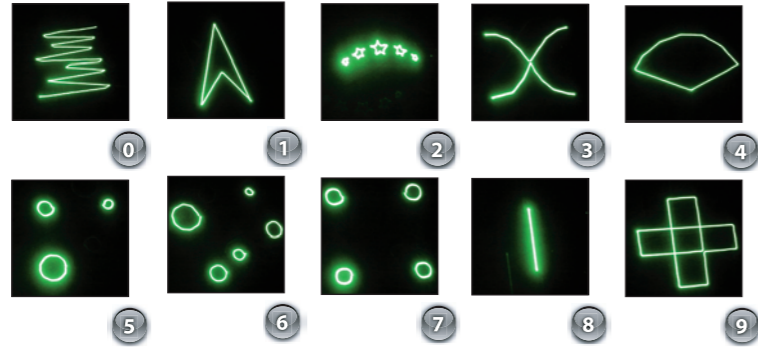


Now pressing the 4 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:

**Page 1**

**Button 4**

- 0 = spring
- 1 = arrow head
- 2 = 5 star
- 3 = X
- 4 = scallop
- 5 = 3 x circle
- 6 = 5 x circle
- 7 = 4 x circle
- 8 = vertical line
- 9 = green cross



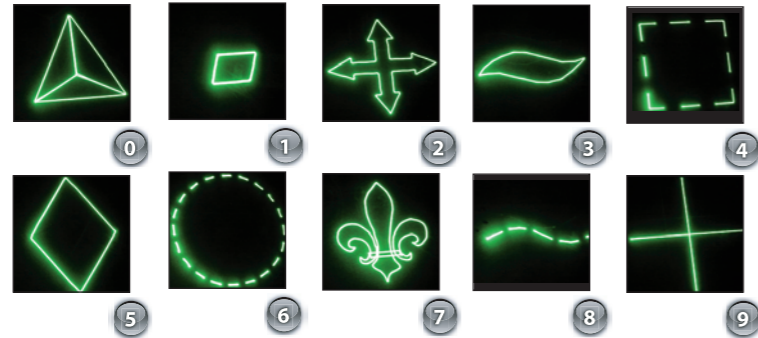
Now press the page button to display 2 n the led screen  
This enters the next set of pages and allows a complete new set of patterns available

Now pressing the 0 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:

**Page 2**

**Button 0**

- 0 = pyramid
- 1 = rhombus
- 2 = 4 arrows
- 3 = leaf
- 4 = lined square
- 5 = diamond
- 6 = lined tunnel
- 7 = fleur de Lys
- 8 = wavy line
- 9 = cross hair

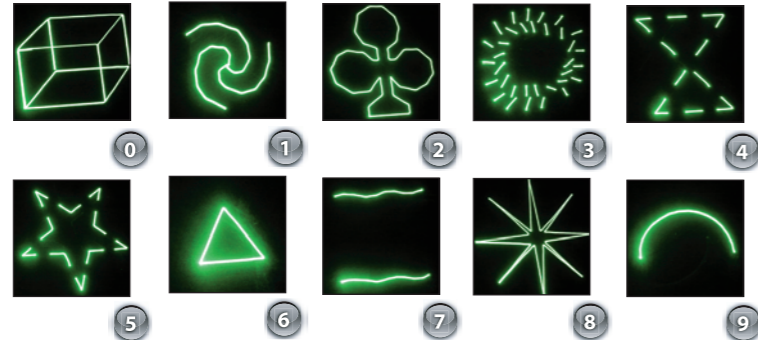


Now pressing the 1 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:

**Page 2**

**Button 1**

- 0 = cube
- 1 = swirl
- 2 = club
- 3 = sparks
- 4 = hour glass
- 5 = star
- 6 = triangle
- 7 = 2 x horizontal wavy lines
- 8 = north star
- 9 = semi circle

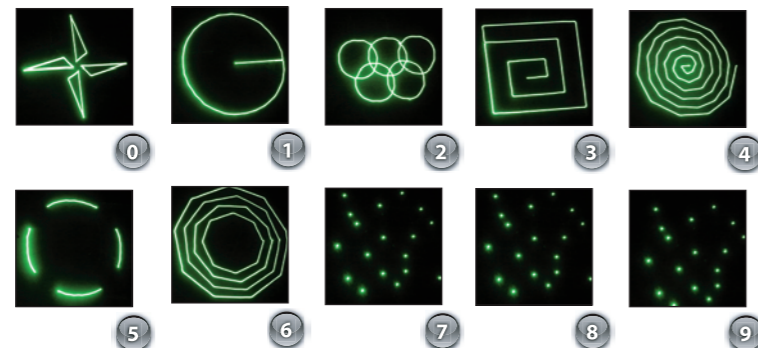


Now pressing the 2 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:

**Page 2**

**Button 2**

- 0 = propeller
- 1 = pacman
- 2 = Olympic rings
- 3 = maze
- 4 = spiral
- 5 = circle
- 6 = concentric circles
- 7 = star field 1
- 8 = star field 2
- 9 = star field 3



# KAM

L I G H T I N G

120 LASER CONTROLLER



**Please Note:** To enable you to control your Laser with the Mini Controller, make sure the dipswitches on the laser are set as follows Dip switch 1 and 10 in the on position.

## Controller Functions

**Page:**

This button selects between pages 0-2 giving 3 different pages of where the patterns are stored

**Pattern select buttons:**

0-4 this selects different patterns stored in each page, there are 9 different patterns on each button, press the button to change the pattern, each time the button is pressed a different pattern will display

**Flash/color:**

1,2,3,0 This button has 4 steps pressing this button will cause the image to flash, 1,2,3 are different rates of flash, 0 is strobe

**Dot view:**

1-9 + A This button changes the image to a dot view and has 10 pressing the button through the range will change the speed of the dotted image

**Zoom**

0-9 this button has 9 steps, 0 is static 1-3 set different speeds of the image growing from a small to large image 4-6 set different speeds of the image shrinking from large to small, 7-9 set different speeds of the image growing from large to small then small to large

**Size:**

0-9 + A This button has 10 steps, 0 is standard size image 1-A set different image sizes

**Rotation:**

0-A this button has 10 steps, 0 is static 1-5 changes the speed and rotates the image anticlockwise, 6-A changes the speed and rotates the image clockwise.

**Reset:**

This button resets the unit to the default sound to light mode

**Horizontal movement:**

0-A This button has 10 steps 0 is static 1-A adjusts the speed of the image which will scan the image left to right

**Vertical movement:**

0-A This button has 10 steps 0 is static 1-A adjusts the speed of the image which will scan the image up and down

**H move:**

0-A This button has 10 steps 0 is static 1-5 sets the speed of the image and scrolls image from left to right 6 -A scrolls the image right to left

**V move:**

This button has 10 steps 0 is static 1-5 sets the speed and scrolls the image from top to bottom 6-A sets the speed and scrolls the image from bottom to top

**Mode:**

This button has 3 steps 0 is sound to light 1 is automatic mode 2 is mini controller mode

**Light:**

This button blacks out the image, press again to remove unit from black out

**Rear panel of main laser:**

There are also 2 rotary pots on the rear of the main laser, one is the sensitivity button and adjusts the sensitivity of the microphone for sound activation The second control is a zoom function and can be adjusted to change the size of the image displayed..

**Key switch:**

This is a safety device for the laser, turning the key anti clockwise will disable the laser and no laser light will be shown

**Dip switch:**

These dip switches set the channels for the dmx address

**There are 3 pin male and female xlr sockets on the rear panel for attaching dmx cables  
And a 5 pin xlr for connecting the mini controller**

## LASER 120 CONTROLLER

### Using the mini controller with your kam 120 laser

The kam laser 120 mini controller has 2 pages of preset patterns inbuilt. As well as having 2 pages of patterns it has many patterns per page. When operating the controller within a few minutes you will see how easy it is to manually select your desired pattern

**Make sure the dipswitches on the rear on the laser are set as follows Dip switch 1 and 10 in the on position**

**The controller will display a 0 in the led screen**

**The modes are as follows**

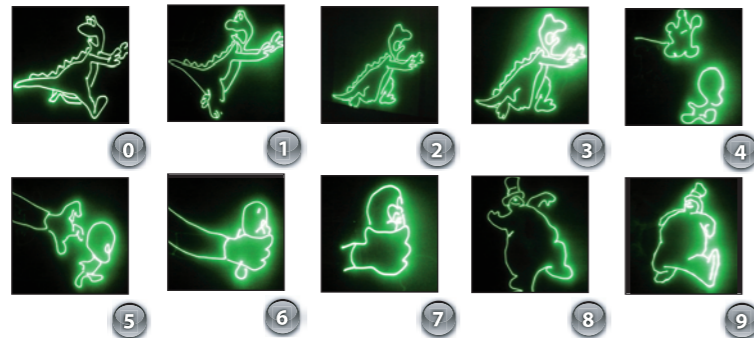
- 0 = Sound to light operation
- 1 = Automatic mode
- 2 = Mini controller mode

To obtain individual patterns using the mini controller,  
Press the mode button until 2 is displayed in the led display  
At this point a dinosaur will display

**Now pressing the 0 button will change the pattern displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 0  
Button 0**

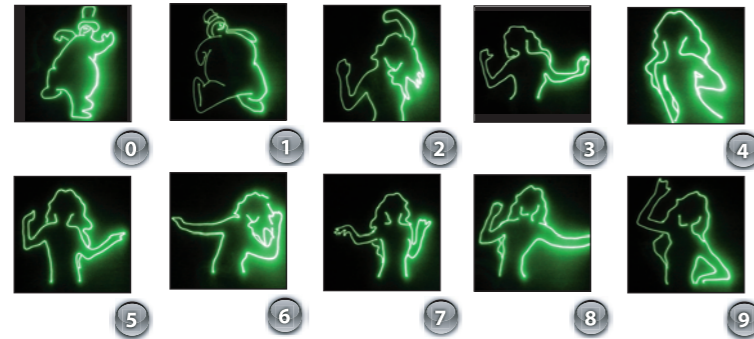
- 0 = dinosaur 1
- 1 = dinosaur 2
- 2 = dinosaur 3
- 3 = dinosaur 4
- 4 = bird grab 1
- 5 = bird grab 2
- 6 = bird grab 3
- 7 = bird grab 4
- 8 = snowman 1
- 9 = snowman 2



**Now pressing the 1 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 0  
Button 2**

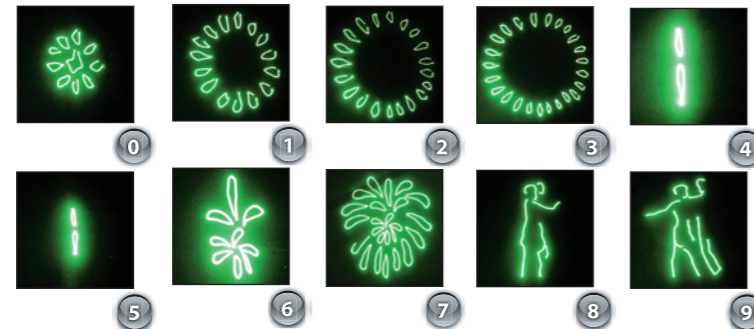
- 0 = snowman 3
- 1 = snowman 4
- 2 = dancing woman 1
- 3 = dancing woman 2
- 4 = dancing woman 3
- 5 = dancing woman 4
- 6 = dancing woman 5
- 7 = dancing woman 6
- 8 = dancing woman 7
- 9 = flower 1



**Now pressing the 2 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 0  
Button 2**

- 0 = flower 2
- 1 = dotted circle
- 2 = large dotted circle
- 3 = larger dotted circle
- 4 = firework 1
- 5 = firework 2
- 6 = firework 3
- 7 = firework 4
- 8 = couple dancing 1

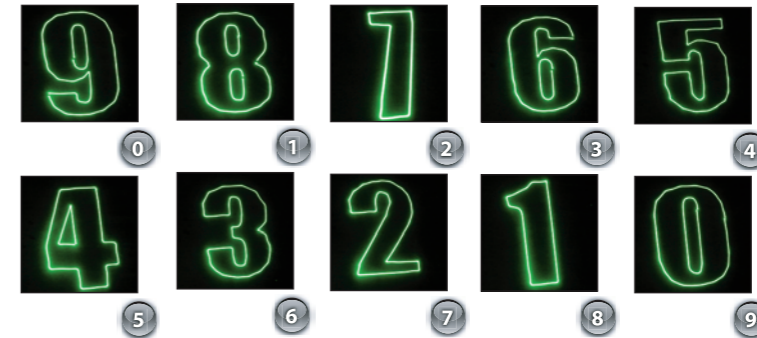


9 = couple dancing 2

**Now pressing the 3 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 0  
Button 3**

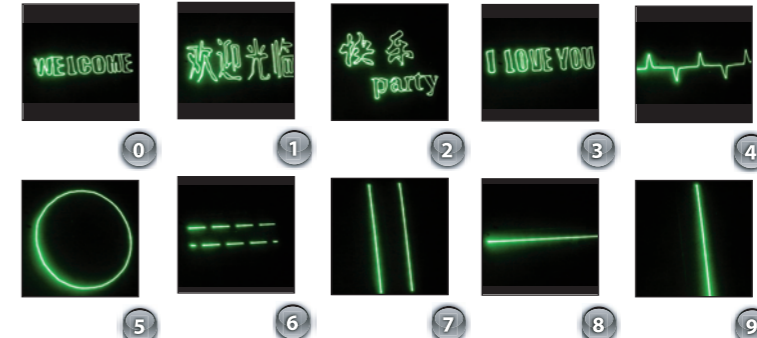
- 0 = 9
- 1 = 8
- 2 = 7
- 3 = 6
- 4 = 5
- 5 = 4
- 6 = 3
- 7 = 2
- 8 = 1
- 9 = 0



**Now pressing the 4 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 0  
Button 4**

- 0 = welcome
- 1 = Chinese welcome
- 2 = Chinese party
- 3 = I love
- 4 = pulse line
- 5 = tunnel
- 6 = 2 x horizontal broken lines
- 7 = 2 x vertical solid lines
- 8 = 1 x horizontal flat beam
- 9 = 1 x vertical flat beam

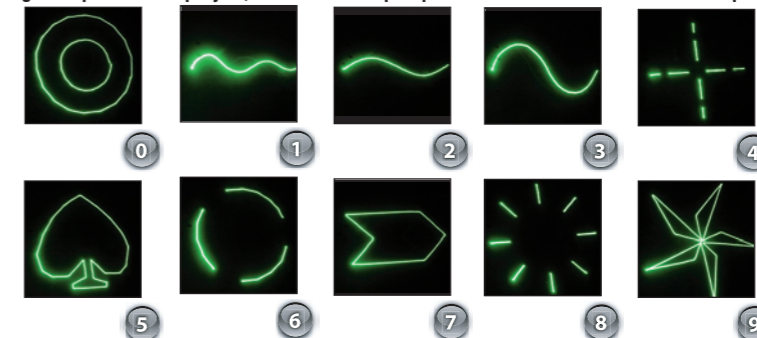


Now press the page button to display 1 in the led screen  
This enters the next set of pages and allows a complete new set of patterns available

**Now pressing the 0 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 1  
Button 0**

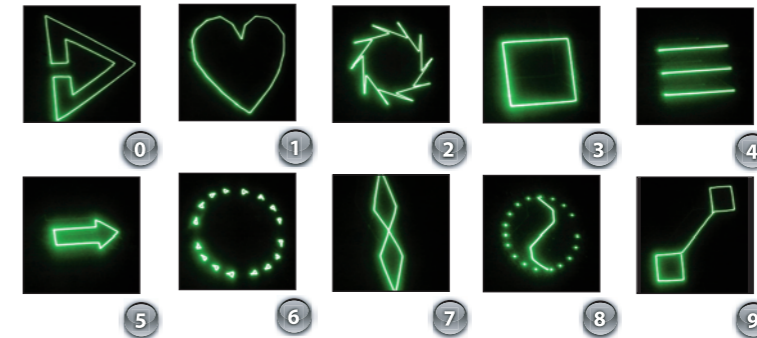
- 0 = doughnut
- 1 = wavy horizontal line 1
- 2 = wavy horizontal line 2
- 3 = wavy horizontal line 3
- 4 = crosshair
- 5 = spade
- 6 = broken circle
- 7 = arrow right
- 8 = clock face
- 9 = propeller



**Now pressing the 1 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 1  
Button 1**

- 0 = star ship
- 1 = heart
- 2 = saw blade
- 3 = square
- 4 = 3 x horizontal lines
- 5 = arrow right
- 6 = dotted circle
- 7 = twin diamond
- 8 = ying / yang dotted
- 9 = twin cube



**Now pressing the 2 button will change the patterns displayed, there are 9 steps / patterns on this button each button press will display the following:**

**Page 1  
Button 2**

- 0 = 4 x arrow
- 1 = music note
- 2 = diagonal dots
- 3 = triangle
- 4 = V
- 5 = octagon
- 6 = star
- 7 = gear cog
- 8 = slanted cube
- 9 = Chinese star

