



BEAMZ
MADE
EAZY

153.711 V1

RADICAL II

QUICK **START GUIDE**

LASER SAFETY



READ FOR THE COMMISSIONING OF THE LASER ALL SAFETY INSTRUCTIONS AND TECHNICAL DATA OF THIS MANUAL CAREFULLY AND THOROUGHLY.



Laser Light is different from any other light source with which you may be familiar. The light from this product can potentially cause eye injury if not set up and used properly. Laser light is thousands of times more concentrated than light from any other kind of light source. This concentration of light power can cause instant eye injuries, primarily by burning the retina (the light sensitive portion at the back of the eye). Even if you cannot feel "heat" from a laser beam, it can still potentially injure or blind you or your audience. Even very small amounts of laser light are potentially hazardous even at long distances. Laser eye injuries can happen quicker than you can blink.

It is wrong to assume that a single beam of a bundle of hundreds by the laser beams made, it cannot cause injury.

It is also incorrect to assume that it is safe to look at a moving beam. In the laser safety regulation, it is not legal to aim Class 3B/4 lasers in areas which people can get exposed also on a dance floor.



CAUTION:

- Do not point lasers at people or animals.
- Never look into the laser aperture or laser beams, this can potentially cause instant eye injury or blindness if laser light directly strikes the eyes.
- Do not point lasers in areas in which people can potentially get exposed, such as uncontrolled balconies, etc.
- Install the laser units such that laser beams above the audience move See section later in this manual.
- Test the laser units always first before the public is present.
- Do not point lasers into the public or at highly reflective surfaces such as windows, mirrors and shiny metal. Even laser reflections can be hazardous.
- Never point a laser at aircraft or into the sky, this is a federal offense.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Do not expose the output optic (aperture) to cleaning chemicals.
- The operation of a laser is only allowed if the show is controlled by a skilled and well-trained operator familiar with the requirements that are needed.
- Do not use laser if housing is damaged or open, or if optics appear damaged in any way.
- Never leave this device running unattended.
- Always use appropriate lighting safety cables when hanging lights and effects overhead.

The legal requirements for using laser entertainment products vary from country to country. The user is responsible for the legal requirements at the location/country of use.



This unit contains laser components with high power, live parts and parts that emit radiation. Therefore, **DO NOT OPEN** the housing, **THIS CAN BE FATAL!** It can also cause blindness, skin burns and fires.

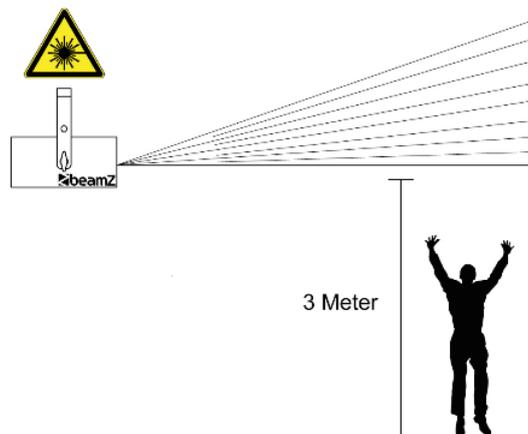


EYE DAMAGE OCCURS FASTER THAN YOU CAN BLINK YOUR EYES.

Further guidelines and safety programs for safe use of lasers can be found in the ANSI Z136.1 Standard "For Safe Use of Lasers", available from "www.laserinstitute.org". Many local governments, corporations, agencies, military and others, require all lasers to be used under the guidelines of ANSI Z136.1. Laser Display guidance can be obtained via the International Laser Display Association, www.laserist.org.



ATTENTION! *The use in France is only allowed to the professional user and not to the end user.
See decision: www.legifrance.gouv.fr*



DMX CHANNELS

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Laser	000-009	No function
		010-059	Laser motor clockwise rotation (From slow to fast)
		060-069	Stop
		070-119	Laser motor counter clockwise rotation (From slow to fast)
		120-129	Stop
		130-255	Back and forward movement with increasing speed
2	Motor rotation	000-127	Motor rotation
		128-255	Back and forward movement with increasing speed
3	Colours macro	000-009	No function
		010-019	Red
		020-029	Green
		030-039	Blue
		040-049	White
		050-059	Red +Green
		060-069	Green+ Blue
		070-079	Blue +White
		080-089	Red+ White
		090-099	Red+ Blue
		100-109	Green+ White
		110-119	Blue+ Green+ White
		120-129	Red+ Blue+ White
		130-139	Red+ Green+ White
		140-149	Red+ Green+ Blue
		150-159	All LED on
		160-169	Rainbow Group effect 1
		170-179	Rainbow Group effect 2
		180-189	Rainbow Group effect 3
		190-199	Rainbow Group effect 4
		200-209	Rainbow Group effect 5
		210-219	Rainbow Group effect with strobe 1
		220-229	Rainbow Group effect with strobe 2
		230-239	Rainbow Group effect with strobe 3
		240-249	Rainbow Group effect with strobe 4
250-255	Rainbow Group effect with strobe 5		
4	Auto/Sound	000-009	No function
		010-119	Auto DMX (From slow to fast)
		120-255	Sound DMX (From slow to fast)



BEAMZ

YOUR FUTURE
YOUR SKILLS
YOUR PLATFORM
YOUR PARTY
YOUR EVENT



is a leading developer of lighting products, including intelligent DMX moving heads, wireless battery operated DMX effects, static washes, sound-activated club effects, strobes & blacklights, LED lighting, fog and special effects machines, lasers and indoor and outdoor architectural lighting, as well as lighting controllers and protective bags.

