

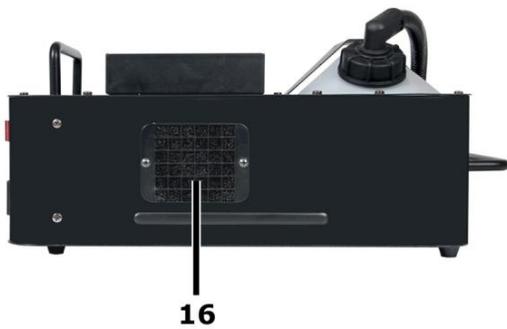
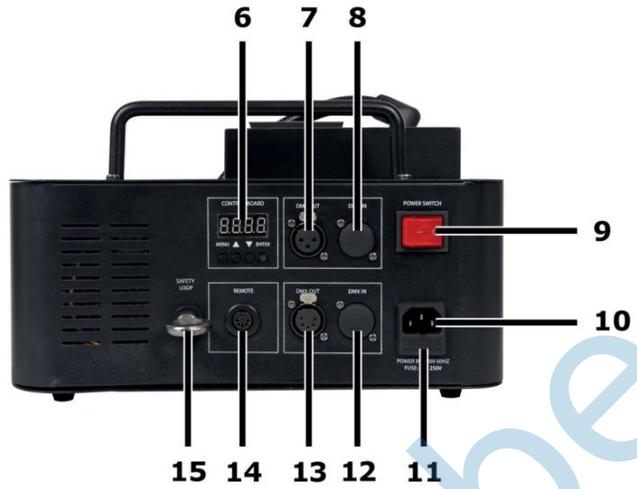
LX502

LED PYRO 1500W FOGGER



USER MANUAL





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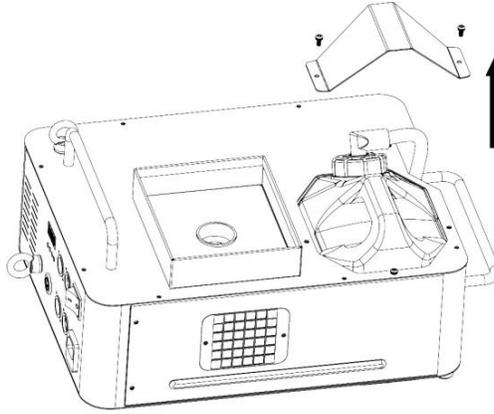
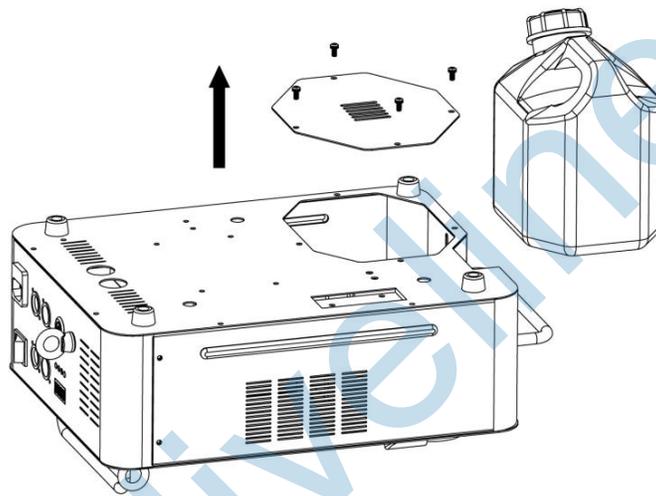
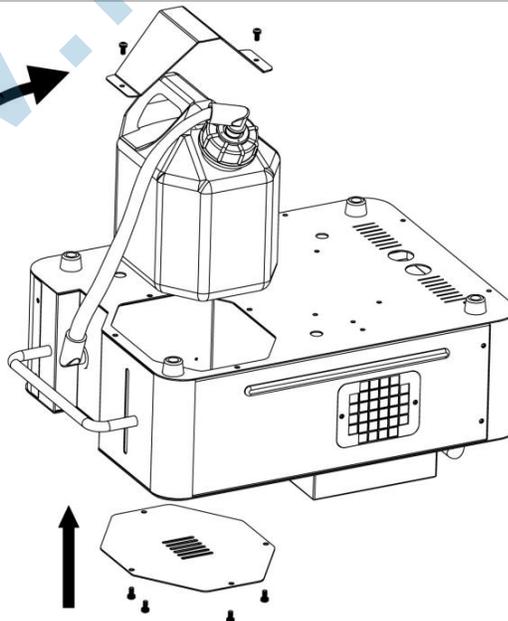


B



C



D**E****F**

USER MANUAL

1. Introduction

To all residents of the European Union

Important environmental information about this product



This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

■ If in doubt, contact your local waste disposal authorities.

Thank you for choosing Luxibel®! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, don't install or use it and contact your dealer.

2. Safety Instructions

	<p>This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.</p> <p>Children shall be supervised to ensure that they do not play with the appliance.</p> <p>Never let the machine operate while unattended.</p>
	<p>Warning: If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid any hazard.</p> <p>Do not use the device when damage to housing or cables is noticed. Do not attempt to service the device yourself but contact an authorised dealer.</p> <p>Make sure that the available voltage does not exceed the voltage stated in the specifications of this manual.</p> <p>This device falls under protection class I. It is therefore essential that the device be earthed. Have a qualified person carry out the electric connection.</p>
	<p>Disconnect the device from the mains to clean it, to fill the reservoir, or when it is not in use. Handle the power cord by the plug only.</p>
	<p>This device is not waterproof. Keep this device away from rain, moisture, splashing and dripping liquids. Never put objects filled with liquids on top of or close to the device.</p> <p>If moisture, water, or smoke liquid gets inside the housing, stop using the device immediately. Do not immerse the device in any liquid.</p>
	<p>Caution: device heats up during use. Do not touch hot surfaces. Let the smoke machine cool down sufficiently after switching off before handling.</p> <p>Never cover the smoke machine and do not install it on a carpet or wooden floor.</p>
	<p>Keep this device away from dust and extreme temperatures. Make sure the ventilation openings are clear at all times. For sufficient air circulation, leave at least 0.5 m on all sides. Make sure the air inlet is free at all times, and clean the filter periodically.</p> <p>The maximum ambient temperature is 40 °C. Do not operate the device at higher temperatures.</p>
	<p>Install the device in a well-ventilated place, at a minimal distance of 0.5 m from flammable and explosive objects or substances.</p>
	<p>Make sure the smoke outlet is free at all times. Never aim the outlet directly at humans or animals. Keep the outlet at a minimum distance of 0.5 m from any obstacle.</p> <p>To avoid health risks and to optimise the lifespan of the device, use only smoke liquids as specified in this user manual (see Technical Specifications). Do not add oils, perfume, or any other fluid or substance to the smoke liquid. This may cause toxic fumes or a fire hazard.</p> <p>Do not drink smoke liquid. If it is ingested, contact a doctor immediately. If the liquid comes in contact with eyes or skin, rinse abundantly with water.</p> <p>Never run the device without liquid: this may cause permanent damage to the device.</p> <p>Always empty the fluid reservoir before storing or transporting the device.</p>



Do not stare directly at the light source, as this may cause

- epileptic seizure in sensitive people
- temporarily loss of sight (flash blindness)
- permanent (irreversible) eye damage.



Protect this device from shocks and abuse. Avoid brute force when operating the device.

3. General Guidelines

Refer to the **Velleman® Service and Quality Warranty** on the last pages of this manual.

- Familiarise yourself with the functions of the device before actually using it. Do not allow operation by unqualified people. Any damage that may occur will most probably be due to unprofessional use of the device.
- All modifications of the device are forbidden for safety reasons. Damage caused by user modifications to the device is not covered by the warranty.
- Only use the device for its intended purpose. All other uses may lead to short circuits, burns, electroshocks, lamp explosion, crash, etc. Using the device in an unauthorised way will void the warranty.
- Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.
- A qualified technician shall install and service this device.
- Use an appropriate safety cable to fix the device (e.g. VDLSC7N or VDLSC8N).
- Do not switch the device on immediately after it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.
- This device is designed for professional use on stage, in discos, theatres, etc. The device shall only be used indoors with an alternating current of 230 VAC 50 Hz.
- Fog machines are not designed for permanent operation: regular operation breaks will prolong their lives. Permanent pumping may overheat and damage the pump. A duty cycle of 30 % is advisable.
- Depending on the amount of fog or haze that is produced, the device may set off smoke detectors.
- Use the original packaging if the device is to be transported.
- Keep this manual for future reference.

4. Features

- professional smoke machine, vertical spray
- 21 x 3 W bright LEDs to create a colourful smoke effect
- electronic pump with immediate stop function
- smoke output reaches 6 m
- DMX-controlled via 8 channels
- cable: 4.5 m (incl.).

5. Overview

Refer to the illustrations on page 2 of this manual.

1	smoke liquid reservoir	7	3-pins DMX output	13	5-pins DMX output
2	cap	8	3-pins DMX input	14	5-pin DIN remote control connection
3	bracket	9	power switch	15	safety hook
4	LEDs	10	power cable socket	16	filter
5	nozzle	11	fuse holder	17	smoke liquid level indicator
6	display and control buttons	12	5-pins DMX input		

6. Installation

6.1 Installation Notes

- Have the device installed by a qualified person, respecting EN 60598-2-17 and all other applicable norms.
- The carrying construction must be able to support 10 times the weight of the device for 1 hour without deforming.
- The installation must always be secured with a secondary attachment e.g. a safety cable.

- Never stand directly below the device when it is being mounted, removed or serviced. Have a qualified technician check the device once a year and once before you bring it into service.
- Install the device in a location with few passers-by that is inaccessible to unauthorised persons.
- Overhead mounting requires extensive experience: calculating workload limits, determining the installation material to be used... Have the material and the device itself checked regularly. Do not attempt to install the device yourself if you lack these qualifications as improper installation may result in injuries.
- Make sure there is no flammable material within a 0.5 m radius of the device.
- Have a qualified electrician carry out the electric connection.
- Connect the device to the mains with the power plug. All devices must be powered directly off a grounded switched circuit and cannot be run off a rheostat or dimmer circuit, even if the rheostat or dimmer channel is used solely for 0 % to 100 % switching.
- The installation has to be approved by an expert before the device is taken into service.

6.2 Installation

You can install the device on its base for a vertical, upwards spray **[A]**, or on its side for a horizontal spray **[B]**. It is also possible to mount the device upside down for a vertical, downwards spray **[C]**.

Caution: Only place the device in the positions as shown in illustrations **[A,B,C]**. Using the device in a different position may cause irreparable damage. **Always place the device level, do not tilt.**

1. Choose a suitable mounting spot. **Place the device on a level, flat surface.**
For mounting the device upside down for a downwards spray, proceed as follows:
2. Unscrew the bracket **[3]** that holds the smoke liquid reservoir in place **[D]** and take the reservoir out.
3. Turn the device upside down and unscrew the base plate from the bottom **[E]**.
4. Turn the device upside down again and screw the base plate to the top side of the device **[F]**.
5. Turn the device upside down again and place the reservoir back in the device.
6. Place the bracket over the reservoir and screw it down **[F]**.

6.3 Preparation

1. Unscrew the cap **[2]** of the reservoir **[1]**.
2. Pour high quality smoke liquid into the reservoir. Do not overfill, and make sure not to spill any liquid on the device. Use only smoke liquids as specified in this user manual.
3. Place the cap back on the reservoir and tighten. Make sure that the ends of the plastic tubes inside reach the bottom of the reservoir. Make sure the tubes are not squeezed or twisted.
4. Plug in the remote control **[14]**.
5. Connect the power cord **[10]** to a suitable mains outlet and switch the device on **[9]**.

The device starts heating up. This takes about 4 minutes. During heating, the display shows "HEAT". When the machine is ready to operate, the display shows the DMX address.

6.4 DMX-512 Connection

- When applicable, connect an XLR cable to the female XLR output of a controller (not incl.) and the other side to the male XLR input **[8,12]** of the device. Multiple devices can be linked through serial linking. The linking cable shall be a dual core, screened cable with XLR input and output connectors.
- Maximum recommended serial data link distance is 500 meters (1640 ft). Maximum recommended number of devices on a serial data link is 32 devices.
- A DMX terminator is recommended for installations where the DMX cable has to run a long distance or is in an electrically noisy environment (e.g. discos). The terminator prevents corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor between pins 2 and 3, which is then plugged into the XLR output socket **[7,13]** of the last device in the chain.

7. Operation

The device can be used in the following modes:

- stand-alone mode with the remote control
- with a DMX512 controller.

7.1 Operation Notes



Never run the device without liquid: this may cause permanent damage to the device.

- If you experience low output, mechanical noise or no output at all, unplug the device immediately. Check the fluid level, the fuse, and the power cord. If all appears to be working properly, plug in the unit again. If

the device will not function after 30 seconds, discontinue operation to avoid permanent damage. Return the device to your dealer. Remember to drain the reservoir before transporting the unit.

- Using the device will produce water drops at the smoke outlet. This is perfectly normal.
- A little smoke may continue to escape from the smoke outlet after operation.

7.2 Control Panel Navigation

Access the control panel functions using the four panel buttons located directly underneath the display [6]. From left to right:

Button	Function
<MENU>	accesses the menu and scrolls through the menu options
<UP>	scrolls through the menu options in ascending order, or increases a numeric value
<DOWN>	scrolls through the menu options in descending order, or decreases a numeric value
<ENTER>	used to select and store the current menu or option within the menu

- The control panel display shows the menu items you select from the menu map. When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press <ENTER>.
- Use the <UP> and <DOWN> buttons to navigate the menu map and menu options. Press <ENTER> to access the menu function currently displayed or to enable a menu option. To return to the previous option or menu without changing the value, press the <MENU> button.

7.3 The Fluid Sensor

This device is equipped with a fluid sensor to protect the pump. The sensor tests whether there is fluid inside the supply pipe. If not, the device shuts off the pump after 20 s and the display starts flashing.

In this case, switch off the device and refill the reservoir with smoke liquid.

If the display keeps flashing after you refill the reservoir, you need to reset the fluid sensor. Proceed as follows:

- Switch off the device, then switch it on again.
- Or, from DMX operating mode: set channel 1 to off (DMX value 0–9), then set to on (DMX value 10 or higher).



Caution: We strongly recommend that you **keep the fluid sensor enabled** at all times. If not, the device may be permanently damaged if it works without fluid. Note that this damage is not covered by the warranty.

To check if the fluid sensor is enabled, proceed as follows:

1. Press <MENU> until <oil> is displayed and press <ENTER> to confirm.
2. If the display shows <off>, use <UP> or <DOWN> to select <on>.
3. Press <ENTER> to confirm.

The fluid sensor is now enabled and the pump is protected.

7.4 LED Colour Selection

In stand-alone mode, the LEDs light up while the device produces smoke. You can choose the colour of the LED beam in the settings menu.

Note: In DMX mode, the LEDs are controlled via DMX signals. See the DMX values table further in this manual for an overview of all the possibilities.

To choose the colour of the LED beam for stand-alone mode, proceed as follows:

1. Press <MENU> until <Colo> is displayed and press <ENTER> to confirm.
2. Use <UP> or <DOWN> to select the desired colour:
 - <OFF>: to switch the LEDs off. The LEDs do not light up while the device produces smoke.
 - <Co1>–<Co9>: to select one of the predefined colours (red, green, blue, pink...).
 - <rand>: to choose a randomly changing colour. The LEDs change colour every second while the device produces smoke.
3. Press <ENTER> to confirm.

7.5 Operation With Remote Control

To use the device with the remote control, wait until the device has heated up, and then press the button on the remote control. The LEDs light up in the selected colour and the device produces smoke during 5 seconds. The LEDs go out when the machine stops producing smoke.

7.6 Operation in DMX Mode

DMX mode allows you to control the device by any universal DMX controller.

- All DMX-controlled devices need a digital start address so that the correct device responds to the signals. This digital start address is the channel number from which the device starts to "listen" to the DMX controller. The same starting address can be used for a whole group of devices or an individual address can be set for every device.
- When all devices have the same address, all the units will "listen" to the control signal on one particular channel. In other words: changing the settings of one channel will affect all devices simultaneously. If you set individual addresses, each device will "listen" to a separate channel number. Changing the settings of one channel will only affect the device in question.
- In case of the 8-channel mode, you will have to set the start address of the first unit to 1 (CH1-8), the second to 9 (1 + 8) (CH9-16), the third to 17 (9 + 8) (CH17-24), and so on. The highest start address is 505.

To set the device to work with a DMX controller:

1. Press <MENU> until <Addr> is displayed.
2. Use <UP> and <DOWN> to set the DMX starting address (001-512).
3. Press <ENTER> to confirm.

DMX Channel Values

Channel	From	To	Description
1	0	9	Spray off
	10	255	Spray on
2	0	9	Red LEDs off
	10	255	Red dimmer (100-0 %)
3	0	9	Green LEDs off
	10	255	Green dimmer (100-0 %)
4	0	9	Blue LEDs off
	10	255	Blue dimmer (100-0 %)
5	0	9	Changing colours off
	10	255	Changing colours
6	0	9	Changing colour speed off
	10	255	Changing colour speed slow to fast
7	0	9	Strobe off
	10	255	Strobe slow to fast
8	0	9	Master dimmer off
	10	255	Master dimmer (100-0 %)

8. Cleaning and Maintenance

- Disconnect the device from the mains prior to maintenance activities. Let the device cool down.
- Clean the machine every 40 hours of operation or every 2 months, whichever comes first. We recommend using the HQPower™ VDLCL liquid to thoroughly clean the reservoir, feeding tube and spray nozzle. Remove or use up all the smoke liquid inside the reservoir and fill half of the reservoir with the cleaning liquid. Let the smoke machine run until all cleaning liquid is used. Switch off the smoke machine and let it cool down.
- All screws should be tightened and free of corrosion.
- The housing, the mounting supports and the installation location should not be deformed, modified or tampered with; e.g. do not drill extra holes in mounting supports, do not change the location of the connections...
- The electric power supply cables must not show any damage. Have a qualified technician maintain the device.
- Clean the filter **[16]** periodically.
- Wipe the device regularly with a moist, lint-free cloth. Do not use alcohol or solvents.
- Do not immerse the device in any liquid.
- There are no user-serviceable parts, apart from the fuse. Contact your dealer for repairs if necessary.

Replacing the Fuse

Only replace the fuse by a fuse of the same type and rating.

1. Before replacing the fuse, unplug the mains lead.
2. Wedge the fuse holder out of its housing with a flat-head screwdriver.
3. Remove the damaged fuse from its holder and replace with the exact same type of fuse.
4. Insert the fuse holder back in its place and reconnect power.

9. Technical Specifications

power supply	230 VAC 50 Hz	
power consumption	1300 W	
LEDs	21 x 3 W RGB	
smoke output	± 150 m ³ /min	
DMX input/output	3-pin and 5-pin XLR	
warm-up time	± 4 min	
tank	2.5 L	
dimensions	341 x 345 x 194 mm	
weight	7.8 kg	
liquids (not incl.)	standard smoke liquid	order code VDL5L5 (5 L)
	high-density smoke liquid	order code VDL5LH5 (5 L)
	pro high-density smoke liquid	order code VDL5LHT5 (5 L)
	cleaning liquid	order code VDLCL

Use this device with original accessories only. Velleman nv cannot be held responsible in the event of damage or injury resulting from (incorrect) use of this device.

For more info concerning this product and the latest version of this manual, please visit our website www.luxibel.com.

The information in this manual is subject to change without prior notice.

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Velleman® Service and Quality Warranty

Since its foundation in 1972, Velleman® acquired extensive experience in the electronics world and currently distributes its products in over 85 countries.

All our products fulfil strict quality requirements and legal stipulations in the EU. In order to ensure the quality, our products regularly go through an extra quality check, both by an internal quality department and by specialized external organisations. If, all precautionary measures notwithstanding, problems should occur, please make appeal to our warranty (see guarantee conditions).

General Warranty Conditions Concerning Consumer Products (for EU):

- All consumer products are subject to a 24-month warranty on production flaws and defective material as from the original date of purchase.
- Velleman® can decide to replace an article with an equivalent article, or to refund the retail value totally or partially when the complaint is valid and a free repair or replacement of the article is impossible, or if the expenses are out of proportion.

You will be delivered a replacing article or a refund at the value of 100% of the purchase price in case of a flaw occurred in the first year after the date of purchase and delivery, or a replacing article at 50% of the purchase price or a refund at the value of 50% of the retail value in case of a flaw occurred in the second year after the date of purchase and delivery.

• Not covered by warranty:

- all direct or indirect damage caused after delivery to the article (e.g. by oxidation, shocks, falls, dust, dirt, humidity...), and by the article, as well as its contents (e.g. data loss), compensation for loss of profits;
- consumable goods, parts or accessories that are subject to an aging process during normal use, such as batteries (rechargeable, non-rechargeable, built-in or replaceable), lamps, rubber parts, drive belts... (unlimited list);
- flaws resulting from fire, water damage, lightning, accident, natural disaster, etc....;
- flaws caused deliberately, negligently or resulting from improper handling, negligent maintenance, abusive use or use contrary to the manufacturer's instructions;
- damage caused by a commercial, professional or collective use of the article (the warranty validity will be reduced to six (6) months when the article is used professionally);
- damage resulting from an inappropriate packing and shipping of the article;
- all damage caused by modification, repair or alteration performed by a third party without written permission by Velleman®.
- Articles to be repaired must be delivered to your Velleman® dealer, solidly packed (preferably in the original packaging), and be completed with the original receipt of purchase and a clear flaw description.
- Hint: In order to save on cost and time, please reread the manual and check if the flaw is caused by obvious causes prior to presenting the article for repair. Note that returning a non-defective article can also involve handling costs.
- Repairs occurring after warranty expiration are subject to shipping costs.
- The above conditions are without prejudice to all commercial warranties.

The above enumeration is subject to modification according to the article (see article's manual).

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