



HQ POWER HQHZ10001 Haze Machine User Manual

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HQHZ10001/HQHZ10002
Haze Machine
User Manual



HQHZ10001



HQHZ10002

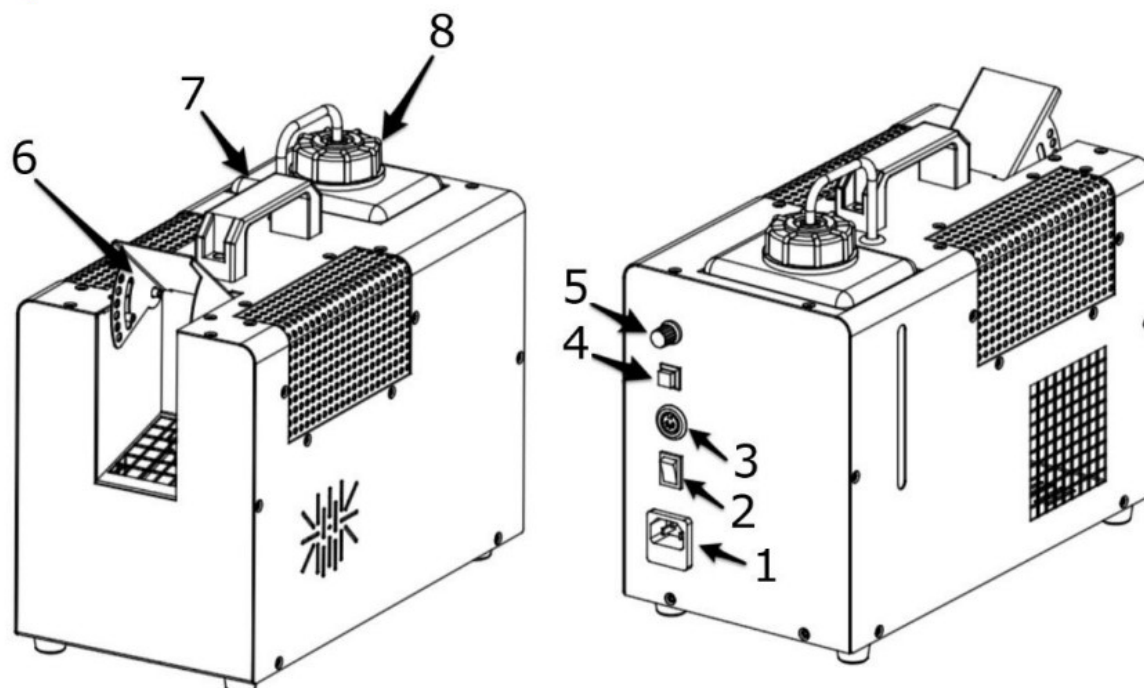
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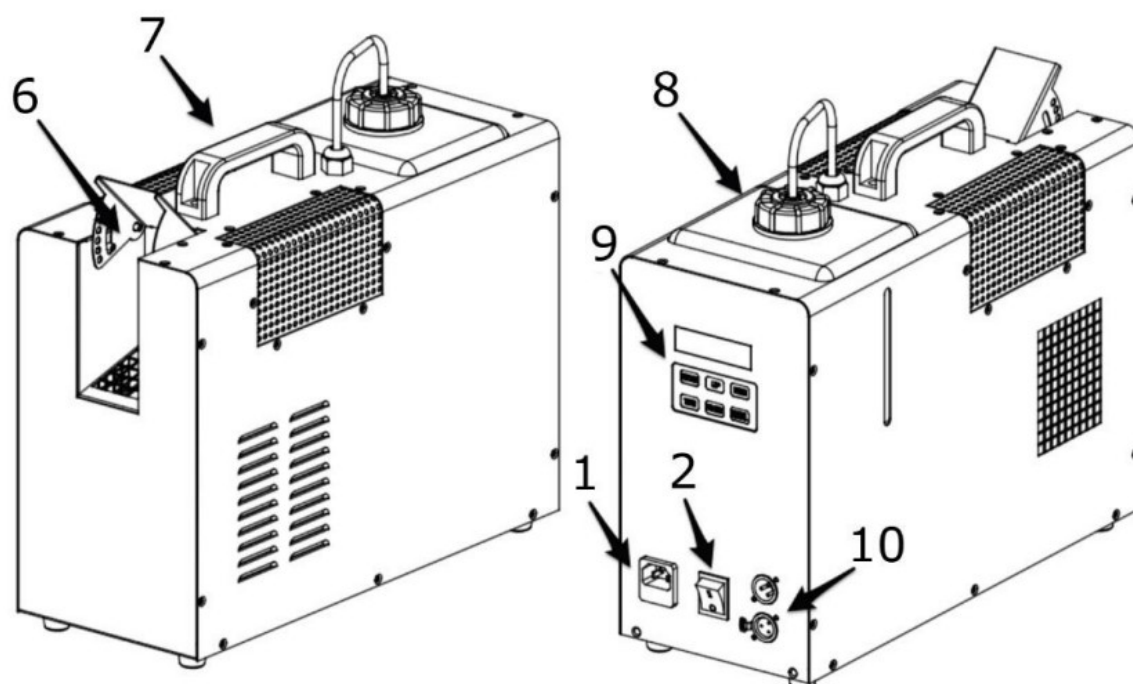
HQHZ10001 Haze Machine



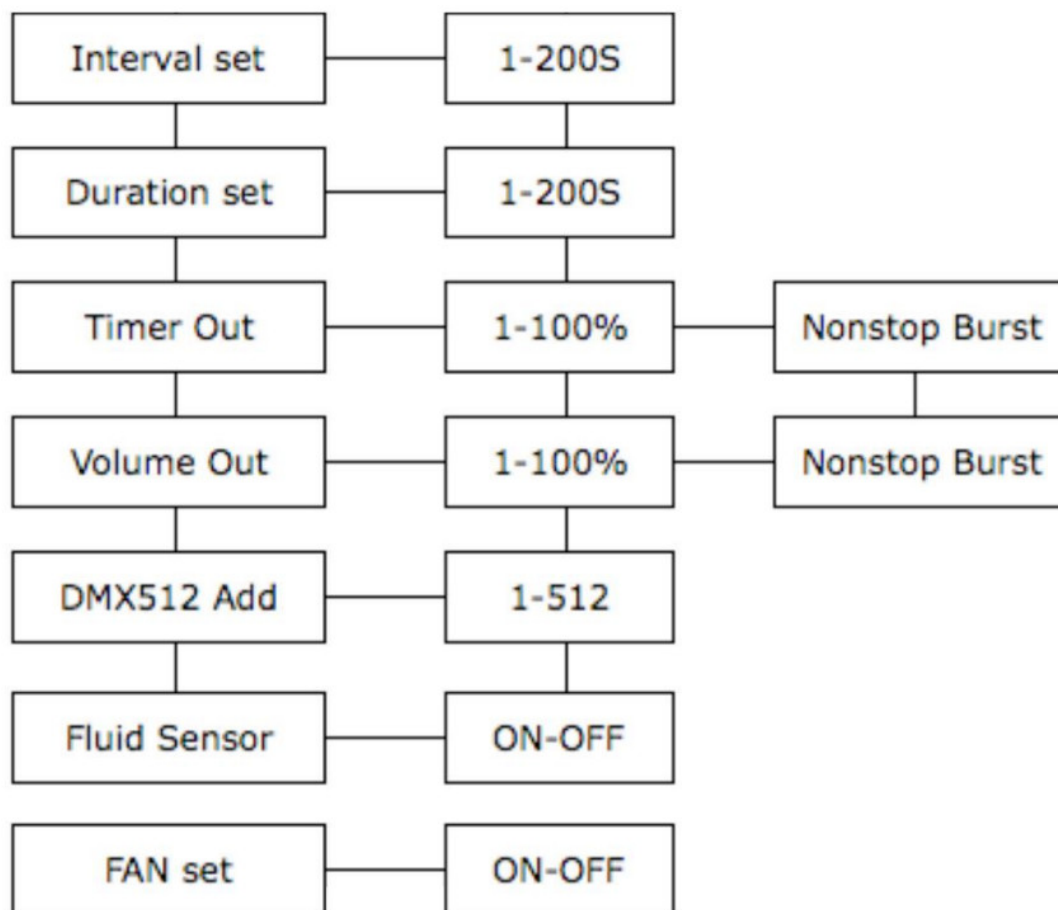
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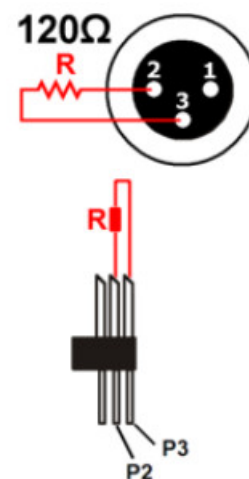


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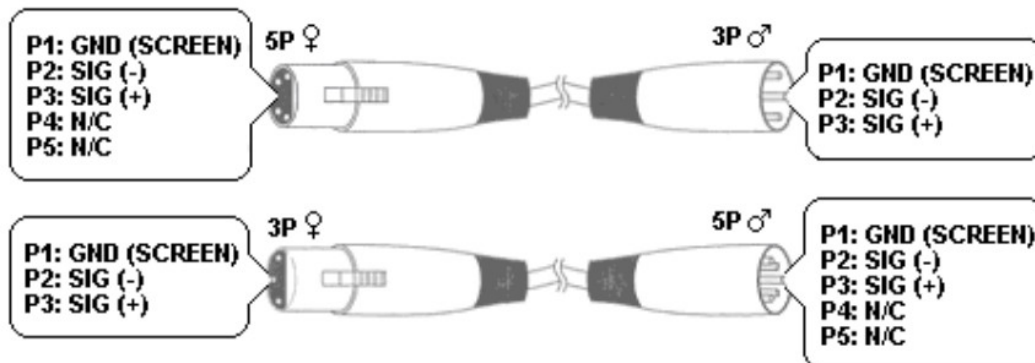


1 = GND
2 = SIG (-)
3 = SIG (+)

terminator



How to turn the controller line from 3-pins into 5-pins (plug and socket).



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 HQPower™! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, do not install or use it and contact your dealer.



Safety Instructions

	Read and understand this manual and all safety signs before using this appliance.
	Be very careful during the installation: touching live wires can cause life-threatening electroshocks.
	Always disconnect mains power when device not in use or when servicing or maintenance activities are performed. Handle the power cord by the plug only.
	Indoor use only. 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.
	Keep this device away from children and unauthorized users.
	Caution: device heats up during use.
	Do not connect this device to a dimmer pack.
	<ul style="list-style-type: none">• Install the device at a minimal distance of 12 m from flammable and explosive objects or substances.• Respect a minimum distance of 3 m between the device's output and any surface.
	There are no user-serviceable parts inside the device. Refer to an authorized dealer for service and/or spare parts.

- This device can be used by children aged from 8 years and above, and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the device in a safe way and understand the hazards involved. Children shall not play with the device. Cleaning and user maintenance shall not be made by children without supervision.
- This device falls under protection class 1. It is therefore essential that the device be earthed. Have a qualified person carry out the electric connection.
- Make sure that the available voltage does not exceed the voltage stated in the specifications of this manual.
- Do not crimp the power cord and protect it against damage. Have an authorised dealer replace it if necessary.
- Use an appropriate safety cable to fix the device (e.g. VDLSC7N or VDLSC8N).
- The maximum ambient temperature is 45 °C. Do not operate the device at higher temperatures.

General Guidelines

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

	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 6" (± 15 cm) in front of the openings.
	Protect this device from shocks and abuse. Avoid brute force when operating the device.

- 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.
- Mechanical wear and LEDs are not covered by warranty.
- A qualified technician should install and service this device.
- 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.
- Use the appropriate power supply (see Technical Specifications below).
- There may be some smoke or a particular smell when the device is activated for the first time. This is normal and any smoke or smell will gradually disappear.
- Use the original packaging if the device is to be transported.
- Keep this manual for future reference.

Overview

Refer to the illustrations on page 2 of this manual.

1	power input + fuse	6	tiltable output nozzle
2	on-off switch	7	carrying handle
3	remote control input	8	fluid tank
4	manual fog button	9	on-board control panel
5	fan speed regulator	10	DMX input and output

Installation

- Only install and use the device on a flat and stable surface. The device may not be tilted.

- Install the device in a location where you can easily access the power cord.
- Install the device in a well-ventilated area.
- The carrying construction must be able to support 10 times the weight of the device for 1 hour without deforming.
- 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.
- Make sure there is no flammable material within a 0.5 m radius of the device.



Operation

6.1 HQTZ10001 interval button

1. duration button
2. output button
3. timer button
4. continuous button
5. manual button



1. Make sure to fill the tank with hazer liquid.
2. Switch on the device.
3. Set the output level and press the manual button on the remote control to trigger the fog output.
The device will continue to output fog as long as the button is pressed.
You can also choose a continuous or timed output.
4. Switch off the device after use.

	Buttons 1 and 2 only work in timer mode. The manual fog button on the rear of the device must not be activated while activating the timer button on the remote control.	
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6.2 HQTZ10002

Control Panel Description

FUNCTION	enter the programming mode
VOLUME	output volume control
TIMER	start timer operation
MANUAL	manual fog output
UP	upwards through the menu list
DOWN	downwards through the menu list

Preparing your Haze Machine

1. Remove the fluid tank from its compartment. Also, remove the cap.
2. Verify that the plastic hoses attached to the cap are in place and in good condition.
3. Pour fog fluid into the tank and close the tank.
4. Replace the tank into its compartment. Make sure the plastic hose entering the haze machine from the fluid tank is not bent or kinked.
5. Connect the haze machine to the mains, switch it on and let it warm up. The haze machine is ready to use after approximately 7 to 8 minutes.

	In any operation mode, the display must read READY TO FOG to output fog.	
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Start-Up

1. Make sure the haze machine is switched off before connecting it to the mains.
2. Switch on the haze machine.
3. Press <VOLUME>.
4. Adjust the fog output volume with <UP> or <DOWN>.

DMX Configuration

To set the haze machine in DMX mode:

1. Connect the haze machine to the mains, switch it on and let it warm up.
2. Connect a DMX cable to the DMX input of the haze machine and the DMX output of a controller (not included).
3. To activate the DMX function, press <FUNCTION> repeatedly until DMX512 ADD is displayed.
Select the start address from 1 to 512 with <UP> or <DOWN>.



Make sure that the starting address of the interconnected haze machines do not overlap.



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 of the last device in the chain.

Setting the Output Volume

1. Press <FUNCTION> repeatedly until VOLUME OUT is displayed.
2. Select the desired output volume (1-100 % or non-stop) with <UP> or <DOWN>.
3. Press <VOLUME> to confirm.
4. Press <VOLUME> again to trigger the fog at the set output.



The haze machine will memorize the set output after switch-off. To reset the fog output, repeat the steps above.



Activating the Fluid Sensor

The integrated fluid sensor measures the fluid level in the tank. To activate the fluid sensor:

1. Press <FUNCTION> repeatedly until FLUID SENSOR is displayed.
2. Select ON with <UP> or <DOWN>.
3. Select OFF with <UP> or <DOWN> to deactivate the fluid sensor.

Setting the Fan

1. Press <FUNCTION> repeatedly until FAN SET is displayed.
2. Select ON with <UP> or <DOWN>.
3. Select OFF with <UP> or <DOWN> to deactivate the fan.

Timer Mode

In timer mode, the haze machine will output fog in pre-configured time intervals (see Timer Mode Parameters below).

1. Press <TIMER> until a timer is displayed.
2. The haze machine starts outputting fog when the counter reaches zero (0).
3. Set the timer duration in the DURATION SET menu option; set the output volume in the TIMER OUT menu option.
4. The cycle repeats itself until you press <TIMER> again or until the haze machine runs out of fluid.

Manual Mode



In manual mode, the haze machine will output fog for as long as the button remains pressed. The output volume will be at 100 % output volume.

1. Keep <MANUAL> pressed to output fog.
2. Release <MANUAL> to stop the fog output.

Time Mode Parameters

These parameters determine the interval and output volume in timer mode.

1. Press <FUNCTION> repeatedly until INTERVAL SET is displayed.
2. Select the interval time (1-200 sec.) with <UP> or <DOWN>.
3. Press <FUNCTION> repeatedly until DURATION SET is displayed.
4. Select the duration time (1-200 sec.) with <UP> or <DOWN>.
5. Press <FUNCTION> repeatedly until TIMER OUT is displayed.
6. Select the desired output volume (1-100 % or non-stop) with <UP> or <DOWN>.

	When the haze machine is connected to a DMX controller, this controller will take priority to the on board control panel of the haze machine. Remove the DMX cable before using the on-board control panel.	
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Troubleshooting

problem	possible cause	possible solution
The fuse keeps blowing.	Excessive load on the circuit.	Make sure that the total load does not exceed 80 % of the fuse's nominal current.
	Short-circuit along the power line.	Check the power line.
The haze machine does not power.	No power on the mains.	Check the mains.
	Loose or damaged power cord.	Check the power cord.
	Blown fuse.	Replace the blown fuse.
	Internal problem.	Send the haze machine for repair.
The haze machine does not respond to DMX.	Wrong starting address.	Set the correct DMX address on the haze machine.
	Wrong manipulation on the controller.	Manipulate the correct controls on the controller.
	Incorrect; loose or damaged DMX cord.	Check the DMX cord.
	Internal problem repair.	Send the haze machine for
	Interference with radio signals.	Keep the DMX cable away from radio equipment.
	DMX cable too long.	Install an optically-coupled DMX amplifier before the machine.
	Too many products connected.	Install an optically-coupled DMX amplifier.
	Terminator not connected.	Connect the terminator.

Cleaning and Maintenance

Before starting any cleaning or maintenance activities:

1. Unplug the device's power cord from the outlet.
2. Let the device cool down.

Cleaning

- Make sure to empty the tank before cleaning.
- Use normal glass cleaner and a soft cloth to wipe off the outside casing.
- Clean the external optics with glass cleaner and a soft cloth every 20 days.
- Always be sure to dry all parts completely before plugging the unit back in.
- Cleaning frequency depends on the environment in which the unit operates (i.e. smoke, fog residue, dust, dew).
- Do not immerse the device in any liquid.

Maintenance

- All screws should be tightened and free of corrosion.
- The housing, the lenses, the mounting supports and the installation location (e.g. ceiling, suspension, trussing) 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...
- Mechanically moving parts must not show any signs of wear and tear.
- The electric power supply cables must not show any damage. Have a qualified technician maintain the device.
- There are no user-serviceable parts, apart from the fuse and the lamp.
- Refer to an authorized dealer for service and/or spare parts.

Technical Specifications

power supply 220-240 V~, 50/60 Hz
warm-up time..... 3 min.
fluid consumption 60-80 ml/min.
IP rating IP20 options
high-density hazer liquid (5 L) VDLHLH5

HQHZ10001

power consumption600 W
fuse F5A
output ca. 170 m³/6,000 ft³ per minute
tank capacity 1.2 L
remote controller wire length..... 3.5 m
dimensions 320 x 170 x 220 mm

HQHZ10002

power consumption 1000 W
fuse F6A
output ca. 225 m³/10,000 ft³ per minute
tank capacity 2.3 L
dimensions 420 x 170 x 300 mm

Use this device with original accessories only. Velleman Group 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.velleman.eu. 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, nonrechargeable, 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).

Made in PRC
Imported by Velleman Group nv
Legen Heirweg 33, 9890 Gavere, Belgium
www.velleman.eu

Documents / Resources

	<p>HQ POWER HQHZ10001 Haze Machine [pdf] User Manual HQHZ10001, HQHZ10002, HQHZ10001-HQHZ10002, HQHZ10001 Haze Machine, Haze Machine, Machine</p>
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References

-  [Velleman – Wholesaler and developer of electronics](#)