



## VDPL300CB

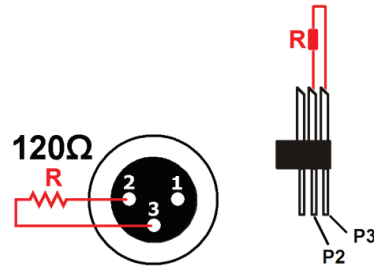
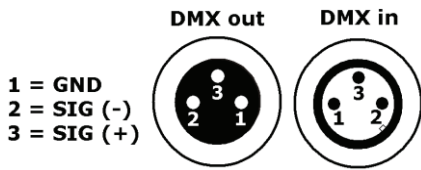
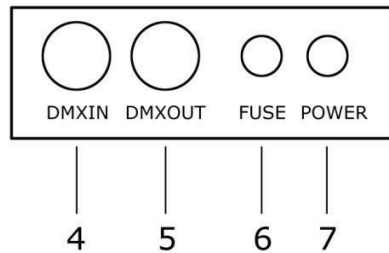
LED ZIRCON – 6 X 3W LED EFFECT – DMX CONTROLLED  
LED ZIRCON – LED-EFFECT – 6 X 3W – DMX-GESTUURD  
LED ZIRCON – EFFET LED DE 6 X 3W – PILOTAGE DMX  
LED ZIRCON – 6 X 3W EFECTO LED – CONTROLADO POR DMX  
LED ZIRCON – 6 X 3W LED-EFFEKT – DMX-GESTEUERT  
EFEKT ŚWIETLNY LED ZIRCON - 6 DIOD LED 3W - STEROWANIE DMX



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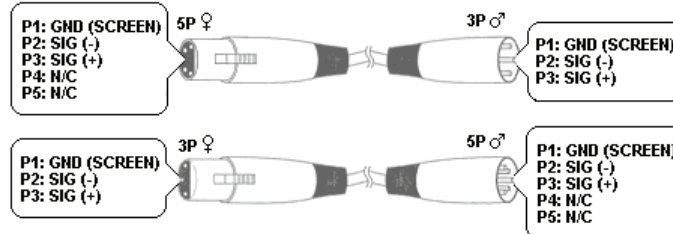


VDPL300CB



terminator – eindweerstand – résistance de terminaison – terminación – Terminierung - terminator

How to turn the controller line from 3-pins into 5-pins (plug and socket).  
 Controller line van 3-pin naar 5-pin aanpassen (stekker en contact).  
 Modifier la ligne du contrôleur de 3 broches en 5 broches (fiche et contact).  
 Modificar la línea del controlador de 3 polos y 5 polos (conector y contacto).  
 Die Controller-Linie von 3-Pin nach 5-Pin anzupassen (Stecker und Kontakt).  
 Zamiana złącza sterownika z 3-pinowego na 5-pinowe (wtyczka i gniazdo)



## 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 HQPower™! 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

	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.
	<b>Indoor use only.</b> Keep this device away from rain, moisture, splashing and dripping liquids.
	Keep this device away from children and unauthorized users.
	<b>Caution:</b> device heats up during use.
	<b>Do not stare directly at the light source</b> , as this may cause <ul style="list-style-type: none"> <li>• epileptic seizure in sensitive people</li> <li>• temporarily loss of sight (flash blindness)</li> <li>• permanent (irreversible) eye damage.</li> </ul>
	Respect a minimum distance of 0.5 m between the device's light output and any illuminated surface.
	There are no user-serviceable parts inside the device. Refer to an authorized dealer for service and/or spare parts.

- This device falls under protection class III.
- 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).
- Install the VDPL300CB at a minimal distance of 0.5 m from flammable and explosive objects or substances.
- Only for operation with the transformer complying with EN 61347-2-13 and Annex I of the standard.

### 3. 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.

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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. The VDPL300CB should only be used indoors. Use only the included power adapter.
- Lighting effects are not designed for permanent operation: regular operation breaks will prolong their lives.
- There may be a particular smell when the device is activated for the first time. This is normal and any smell will gradually disappear.
- Do not repeatedly switch the fixture on and off. This shortens the life time.
- Keep away from electronic equipment that may cause interference.
- Never leave the device running unattended.
- Use the original packaging if the device is to be transported.
- Keep this manual for future reference.

### 4. Features

- compact but bright LED effect
- 82 lenses projecting a multitude of coloured beams over 360°
- DMX-512 control possible via 6 channels (RGB separate colour control, rotation, shutter and effect control)
- stand-alone, master/slave or sound-activated mode via built-in microphone
- very low power consumption, long lifetime and no lamp replacements.

### 5. Overview

Refer to the illustrations on page 2 of this manual.

Front		Back	
<b>1</b>	display	<b>4</b>	DMX input
<b>2</b>	control buttons	<b>5</b>	DMX output
<b>3</b>	microphone	<b>6</b>	fuse holder
		<b>7</b>	power supply

### 6. Installation

#### Mounting the device

- 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.

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- 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. Do not connect it to a dimming pack.
- The installation has to be approved by an expert before the device is taken into service.

### DMX-512 connection

- When applicable, connect an XLR cable to the female 3-pin XLR output of a controller (not incl.) and the other side to the male 3-pin XLR input **[4]** of the VDPL300CB. Multiple VDPL300CBs can be linked through serial linking. The linking cable should 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 fixtures on a serial data link is 32 fixtures.
- 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 120Ω resistor between pins 2 and 3, which is then plugged into the XLR output socket **[5]** of the last device in the chain.

## 7. Operation

The VDPL300CB can be used in the following modes:

- stand-alone mode: automatic or sound-activated
- master/slave
- with a DMX512 controller.

### 7.1 Control Panel Navigation

Access the control panel functions using the four panel buttons **[2]** located directly underneath the display **[1]**. From left to right:

Button	Function
<MENU>	used to access the menu or to return to a previous menu option
<UP>	scrolls through the menu options in ascending order
<DOWN>	scrolls through the menu options in descending order
<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.

### 7.2 Stand-alone mode

In stand-alone mode, the device runs one of the built-in programs: automatic or sound-controlled.

To set the device to stand-alone mode:

1. Connect nothing to the DMX input **[4]** of the device.
2. Press <MENU> until <AXX> is displayed and press <ENTER>.
3. Use <UP> and <DOWN> to select a built-in program:

From	To	Description
A11	A19	Red lights on, motor rotates from fast to slow
A21	A29	Green lights on, motor rotates from fast to slow

VDPL300CB		
From	To	Description
A31	A39	Blue lights on, motor rotates from fast to slow
A41	A49	3 colours, changing patterns, motor rotates from fast to slow
A51	A59	7 colours, changing patterns, motor rotates from fast to slow
A61	A69	Fade in and out, motor rotates from fast to slow
A71	A79	Strobe mode, motor rotates from fast to slow
So1	So1	Sound control, coloured lights and rotation
So2	So2	Sound control, white light and rotation

### 7.3 Master/slave mode

The master/slave mode allows for connecting several devices to a single master device. All slave devices then work synchronously with the master device.

You need to set one device to master mode and all other devices to slave mode.

1. Connect all devices in series with DMX cables.
2. The first unit in the chain functions as the master fixture. Set up the unit as described in **Stand-alone mode**.
3. On each of the connected slave units, set the DMX starting address to <A001> as follows: press <MENU> until <A001> is displayed and press <ENTER>. Use <UP> and <DOWN> to select <A001> and press <ENTER>.
4. Repeat for each slave unit.

### 7.4 DMX mode

This mode allows you to control the fixture 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 6-channel VDPL300CB, you will have to set the start address of the first unit to 1 (CH1~6), the second to 7 (1 + 6) (CH7~12), the third to 13 (7 + 6) (CH13~18), and so on.

To set the device to work with a DMX controller:

1. Press <MENU> until <A001> is displayed and press <ENTER>.
2. Use <UP> or <DOWN> to set the DMX starting address (A001 ~ A512) and press <ENTER>.

#### DMX channel values

Channel	From	To	Description
1	0	5	Switch
	6	255	Strobe from fast to slow
2	0	0	Red off
	1	255	Gradual change from dark to light
3	0	0	Green off
	1	255	Gradual change from dark to light
4	0	0	Blue off
	1	255	Gradual change from dark to light
5	0	5	Motor stop
	5	127	Motor is turning
	128	255	Motor reverse
6	0	5	Start up CH1-CH5
	6	250	Built-in program, CH1-CH5 off
	251	255	Sound control

## 8. Cleaning and 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.
- Disconnect the device from the mains prior to maintenance activities.
- Wipe the device regularly with a dry, lint-free cloth. Do not use alcohol or solvents.
- There are no user-serviceable parts, apart from the fuse.
- Contact your dealer for spare parts 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. Unscrew the fuse holder on the rear panel of the base with an appropriate screwdriver.
3. Remove the old fuse and install the new fuse in the fuse holder.
4. Replace the fuse holder in the housing and tighten it.

## 9. Technical Specifications

power supply	12VDC (adaptor incl.)
power consumption	30W
LEDs	6 x 3W RGB (2pcs each colour)
DMX channels	6
dimensions	Ø175 x 150mm
weight	0.58kg

**Use this device with original accessories only. Velleman nv cannot be held responsible in the event of damage or injury resulted from (incorrect) use of this device. For more info concerning this product and the latest version of this manual, please visit our website [www.hqpower.eu](http://www.hqpower.eu). The information in this manual is subject to change without prior notice.**

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