Power LED Signal LED

MENU   ENTER   UP   DOWN

Vigo Drive 16

OUTPUT
Line Output: 48V DC.350mA
Max Load per Line: 36x1W LED (12W per color)
Total Load (16 lines): 576x1W LED (192W per color)

WARNING!
READ INSTRUCTIONS BEFORE USE
ALWAYS DISCONNECT MAINS BEFORE OPENING
THE EARTH MUST ALWAYS BE CONNECTED

ENGLISH

Vigo Drive 16   V1

ordercode: A9915000

Table of contents

ARTECTA
THE ART OF LIGHTING

Warning

┌───┐
│ ⚠️   **For your own safety, please read this user manual carefully**   ⚠️ │
│   **before your initial start-up!**   │
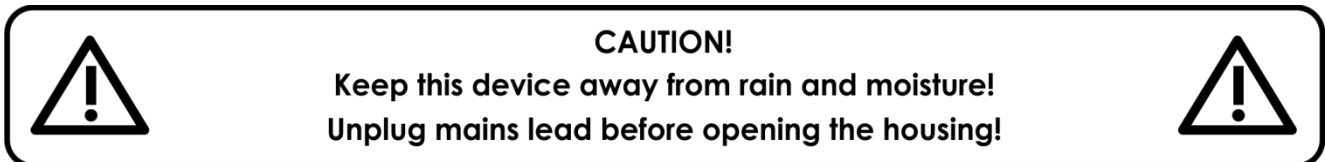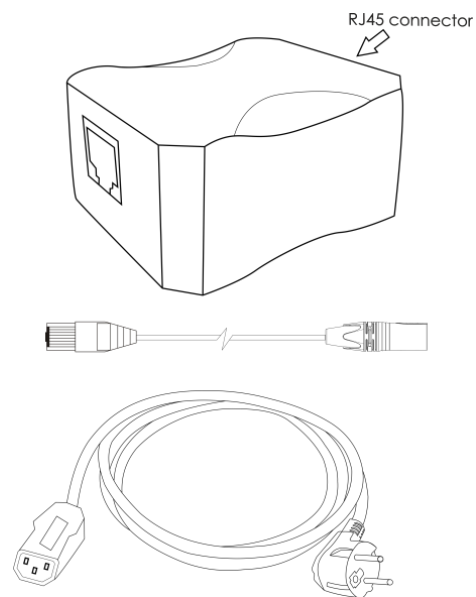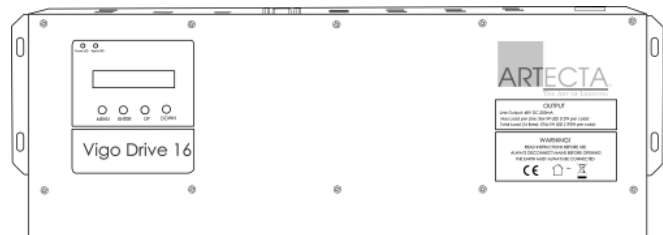└───┘

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.
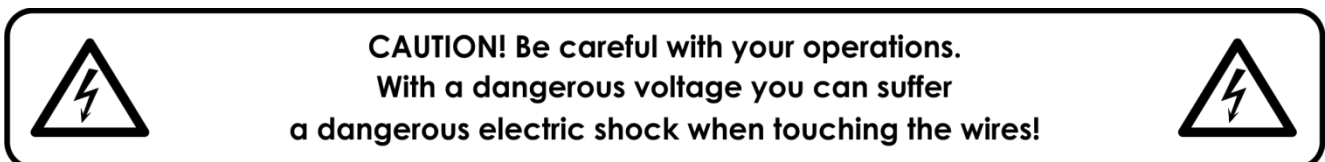
Your shipment includes:

● Artecta Vigo Drive 16
● Cable extender couplings
● Volex IEC powercable 1,5m
● Special DMX male to RJ45 cable 0,38m
● User manual

RJ45 connector

┌───┐
│ ⚠️   **CAUTION!**   ⚠️ │
│   **Keep this device away from rain and moisture!**   │
│   **Unplug mains lead before opening the housing!**   │
└───┘

Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:
● be qualified
● follow the instructions of this manual

┌───┐
│ ⚡   **CAUTION! Be careful with your operations.**   ⚡ │
│   **With a dangerous voltage you can suffer**   │
│   **a dangerous electric shock when touching the wires!**   │
└───┘

ARTECTA
THE ART OF LIGHTING

Before the initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes contained in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use the device indoors, avoid contact with water or other liquids.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep the case closed while operating.
- Always allow a free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power cord holding it by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Check the device and the power cord from time to time.
- If device was dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Artecta device fails to work properly, discontinue the use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Artecta dealer for service.
- For adult use only. The device must be installed beyond the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- The user is responsible for correct positioning and operating of the Vigo Drive 16. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

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Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 1 meter.
- The maximum ambient temperature t_a = 40°C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40° C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others !

Improper installation can cause serious injuries and/or damage of property!

Connection with the mains

Connect the device to the mains with the power-plug.
Always check if the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
⏚	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always properly connected to the earth!

Improper installation can cause serious injuries and/or damage of property!

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⚠️ **Return Procedure** ⚠️

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.com and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:
01) Your name
02) Your address
03) Your phone number
04) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any short-comings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to report and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless agreed otherwise in writing.

Complaints against us must be prepared in writing or sent by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement from which the obligation is resulting.

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Description of the device

Features
The Vigo Drive 16 is a driver which provide power to fixtures with a RJ45 connection.
- Input voltage: 100-240V, 50/60Hz
- Output: 48V DC, 350 mA
- Output line: 16 fixture lines, each line 36 x 1W (RJ-45 connector)
- Total output: 576 x 1W LED (192W per color)
- Operation: DMX, Master/Slave, Stand alone
- 20 Built-in programs
- 10 custom programs
- Static playa
- Calibration
- RGB
- Clock
- DMX Channels: 1CH, 2CH, 3CH, 3CH, 4CH, 6CH, 9CH, 48CH or 51CH
- Display: LCD
- IP rating: IP20
- Connections: Volex IEC connector, RJ45 and RS-232
- Dimensions: 544 x 110 x 175 mm (LxWxH)
- Weight: 5,5 kg

Optional fixtures
A0139503 Vigo Spot 3/1 RGB MR-16
A0139506 Vigo Spot 6 RGB MR-16
A0139507 Vigo Spot 12 RGB AR-111
A0139508 Vigo Spot 4 RGB 3-in-1 AR-111]
A0139511 Vigo Spot 3 WW/CW MR-16 30°
A0139516 Vigo Spot 6 WW/CW MR-16 35°
A0243025 Vigo Strip 24i RGB
A0243036 Vigo Strip 36 RGB
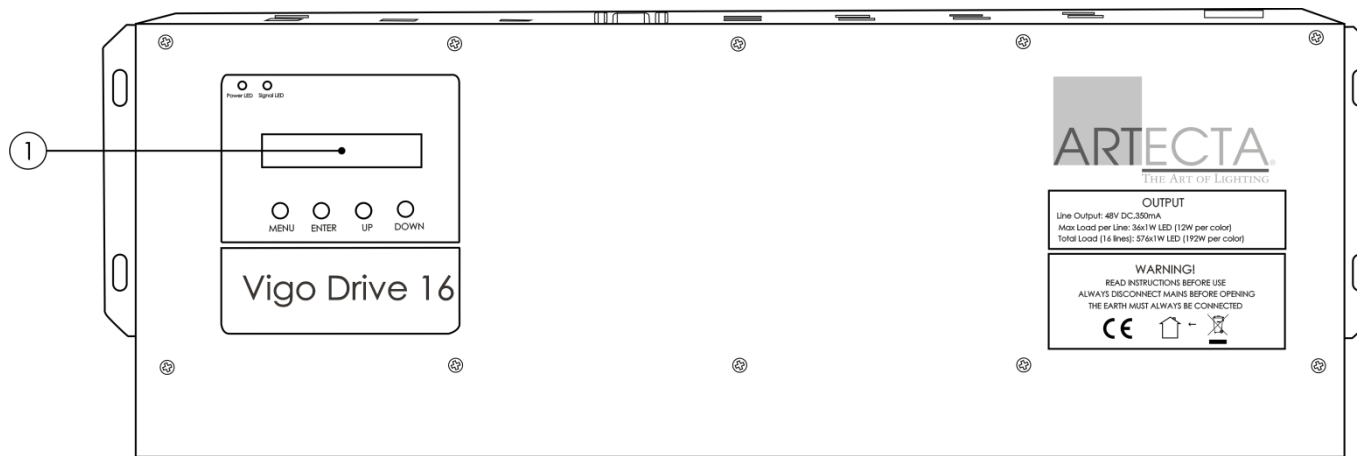
ARTECTA
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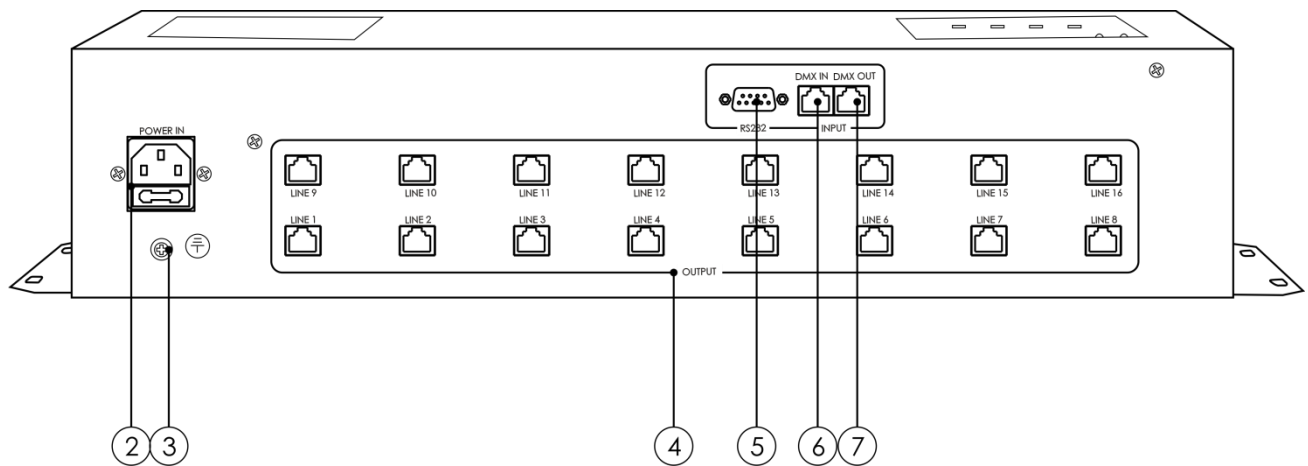
Overview

Fig. 01

01) LCD-display

Upside

Fig. 02

02) Volex IEC connector
03) Ground/Earth screw
04) LINE Out 1-16 (RJ45)
05) RS-232 connector
06) DMX IN (RJ45)
07) DMX OUT (RJ45)

Fig. 03
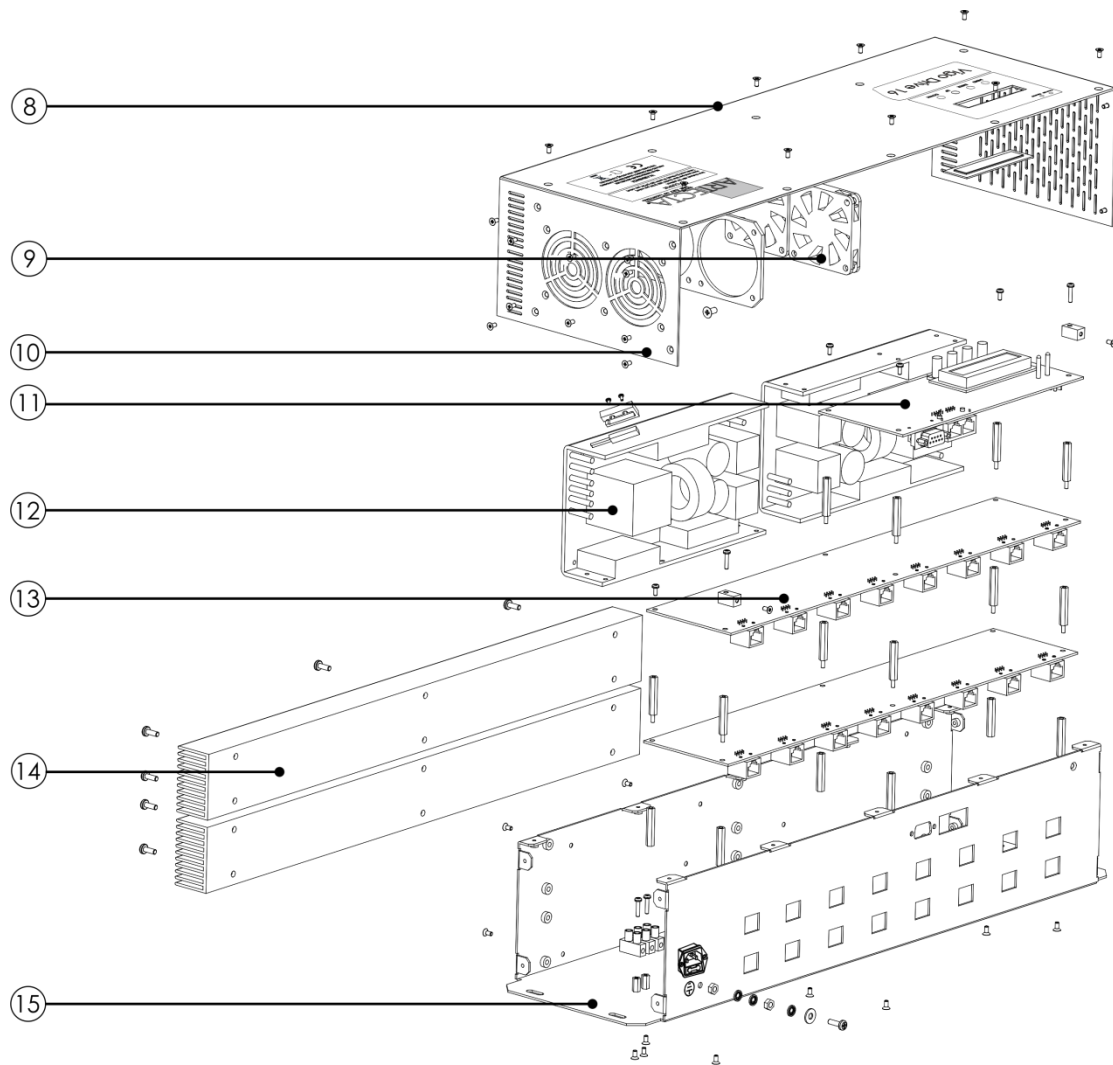
08) Front cover
09) Fan
10) Dustproof cover
11) Display board
12) Power switch
13) Driver board
14) Cooling board
15) Metal base

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Installation

Remove all packing materials from the Vigo Drive 16. Check if all foam and plastic padding is removed. Connect all cables.
Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.
Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Connect the device to the main power supply.

Mounting

The Vigo Drive should be placed on a non-flammable flat surface. There are four mounting holes in the housing of the driver. Mount the driver as shown in figure 04.
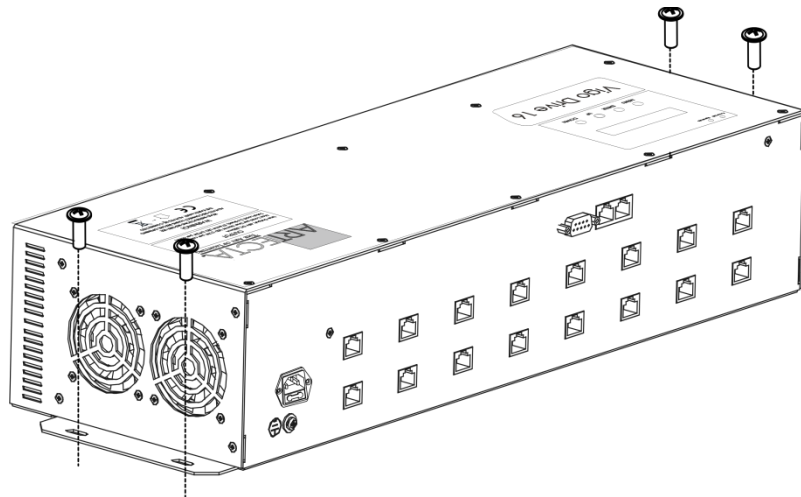

Fig. 04

Connections

This device can operate in a stand-alone mode or can be controlled with a DMX-controller.
Use the included RJ45 to DMX cable to connect the driver with a DMX-controller. Use RJ45 cables to connect multiple fixtures and multiple Vigo Drive's. Connect everything as shown in figure 06.
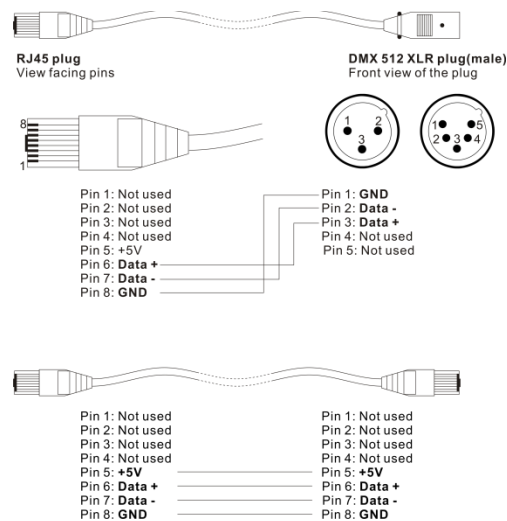

RJ45 plug
View facing pins

DMX 512 XLR plug(male)
Front view of the plug

Pin 1: Not used
Pin 2: Not used
Pin 3: Not used
Pin 4: Not used
Pin 5: +5V
Pin 6: **Data +**
Pin 7: **Data -**
Pin 8: **GND**

Pin 1: **GND**
Pin 2: **Data -**
Pin 3: **Data +**
Pin 4: Not used
Pin 5: Not used

Pin 1: Not used
Pin 2: Not used
Pin 3: Not used
Pin 4: Not used
Pin 5: **+5V**
Pin 6: **Data +**
Pin 7: **Data -**
Pin 8: **GND**

Pin 1: Not used
Pin 2: Not used
Pin 3: Not used
Pin 4: Not used
Pin 5: **+5V**
Pin 6: **Data +**
Pin 7: **Data -**
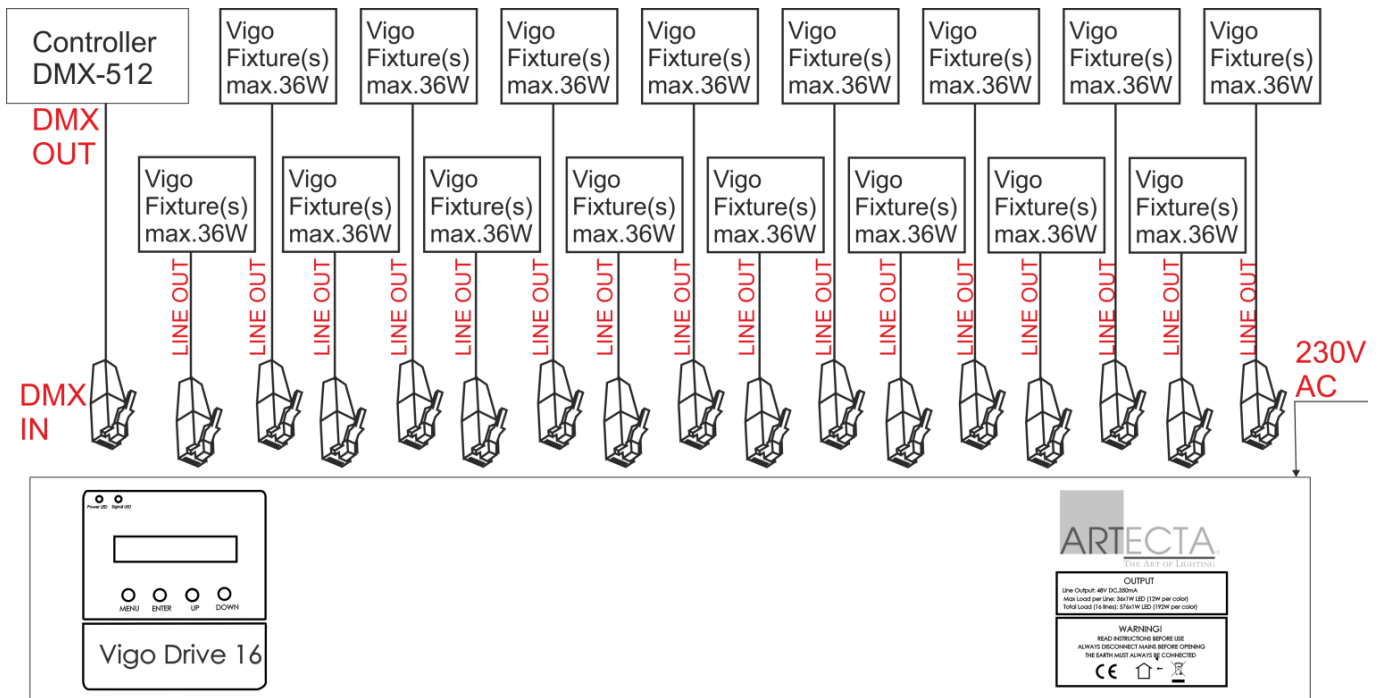Pin 8: **GND**

Fig. 05

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Fig. 06

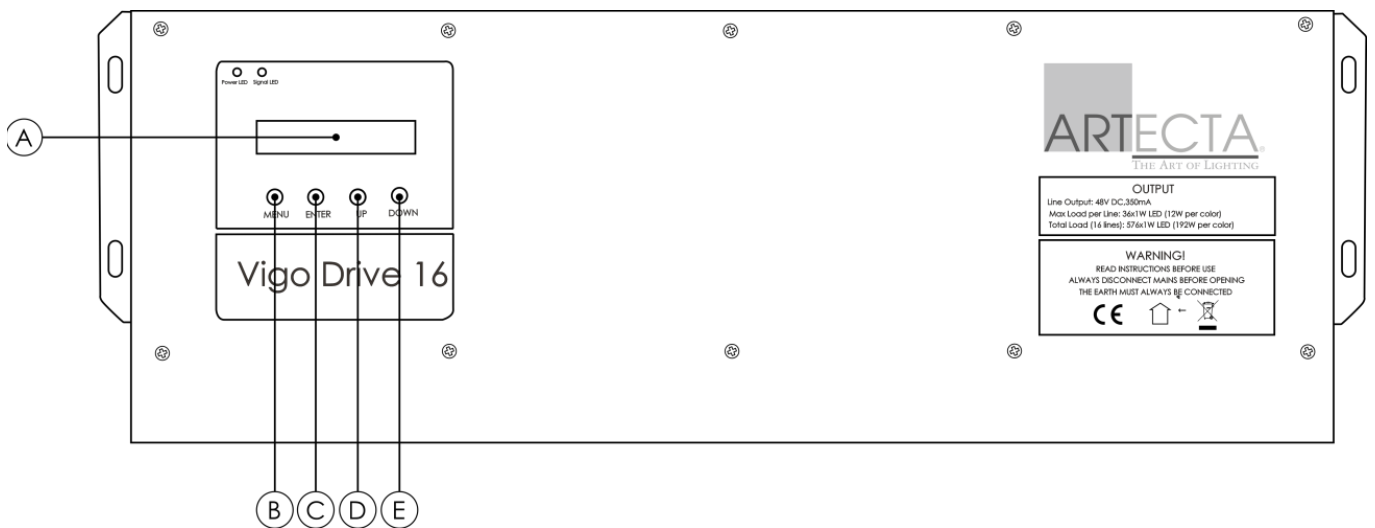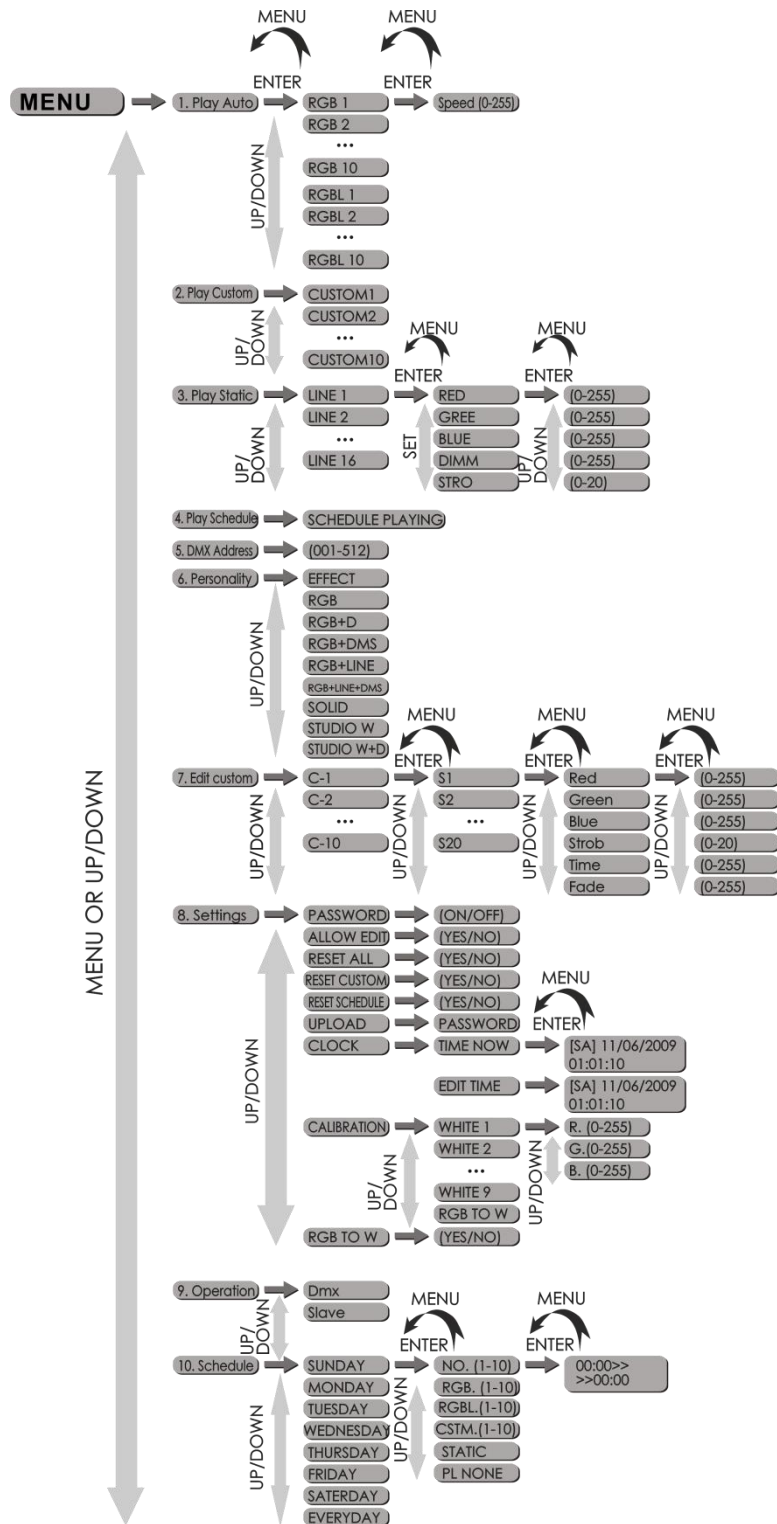## Control unit

A. LCD Display
B. MENU button
C. ENTER Button
D. UP Button
E. DOWN Button

Fig. 07

Menu overview

Note: press the **MENU** button in the menu structure to go back to the previous step.

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1. Play Auto
With this menu you are able to choose a built-in program.
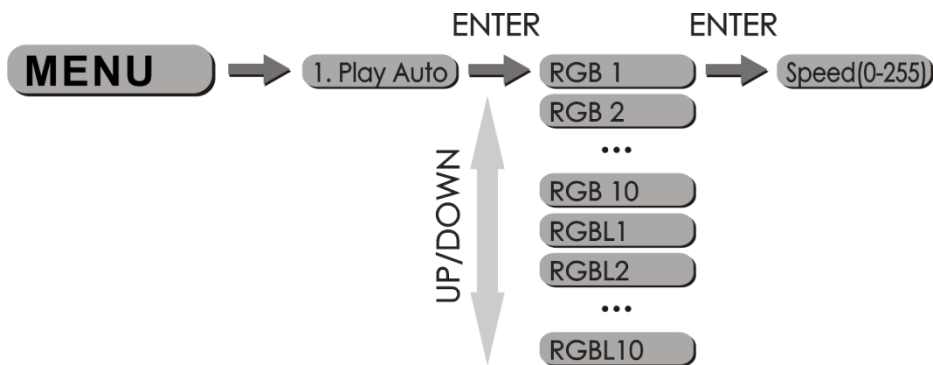
01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Play Auto**".
02) Press **ENTER** to select **Play Auto**.
03) Use the **UP/DOWN** buttons to select the desired mode **(RGB 1-RGB10, RGBL1-RGBL10).**
04) Press again the **ENTER** button to select the speed of the desired mode.
05) Use the **UP/DOWN** buttons to adjust the speed (0-255).
06) If you press **MENU** or **ENTER** you'll go back to the previous step in the menu.
07) By pressing **MENU** again you are back in the main menu and the fixture will go out.

2. Play Custom
In this menu you can activate your programmed chase (Custom 1- Custom 10). The chase is made in the "**Edit Custom**" mode, see chapter "**Edit Custom**".
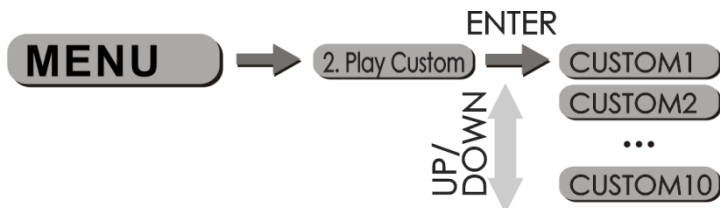
01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Play Custom**".
02) Press **ENTER** to select **Play Custom.**
03) Use the **UP/DOWN** buttons to select the desired chase **(CUSTOM 1- CUSTOM 10).**
04) If you press **MENU** you'll go back to the main menu.
05) The fixture will go out.

3. Play Static
In this menu you can create your own static color with or without a strobe.
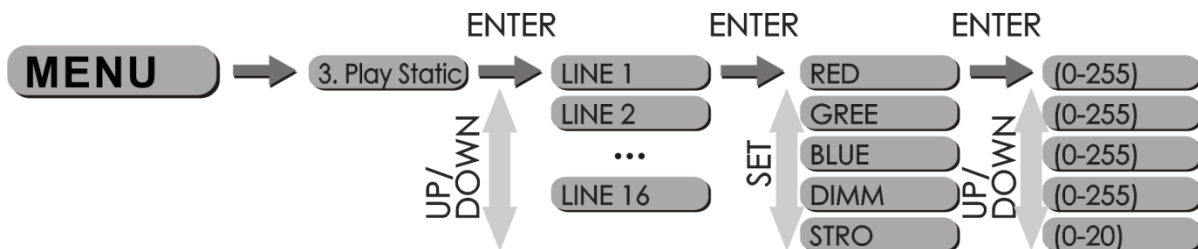
01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Play Static**".
02) Press **ENTER** to select **Play Static.** The display will show "**STATIC PLAYING**".
03) Press **ENTER** again.
04) Use the **UP/DOWN** buttons to select **LINE 1** to **LINE 16**.
05) Press **ENTER** to confirm the desired line.

06) Use the **ENTER** button to scroll through the submenu to select **RED, GREEN, BLUE, DIMMER** or **STROBE.**
07) Use the **UP/DOWN** buttons to adjust the intensity of the desired colors (0-255) or the frequency of the strobe (0-20Hz).
08) To display the color you have to set the dimmer (**DIMMER**) from 0-255 (from black to brightest).
09) If you press **MENU** you'll go back to the previous step in the menu.

4. Play schedule

With this menu you can start your made schedule (see chapter "**Schedule**").

01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Play Schedule**".
02) Press **ENTER** to select **Play schedule.**
03) The display will show "**SCHEDULE PLAYING**".
04) If you press **MENU** you'll go back to the main menu.

5. DMX Address

With this menu you can set the DMX-address for your Vigo Drive 16.

01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**DMX Address**".
02) Press **ENTER** to select **DMX Address.**
03) Use the **UP/DOWN** buttons to set the desired address (001-512).
04) If you press **MENU** or **ENTER** you'll go back to the main menu.

6. Personality
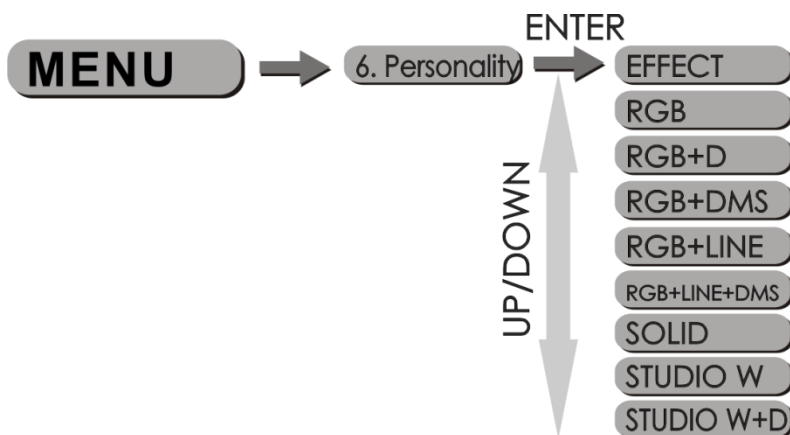
In this menu you can choose a DMX-configuration for your Vigo Drive 16.

01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Personality**".
02) Press **ENTER** to select **Personality.**
03) Use the **UP/DOWN** buttons to set the desired configuration.
04) Press **ENTER** to confirm.
05) You'll go back to the main menu.

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7. Edit custom

With this menu you can create a chase (**Custom**) for your fixture(s).
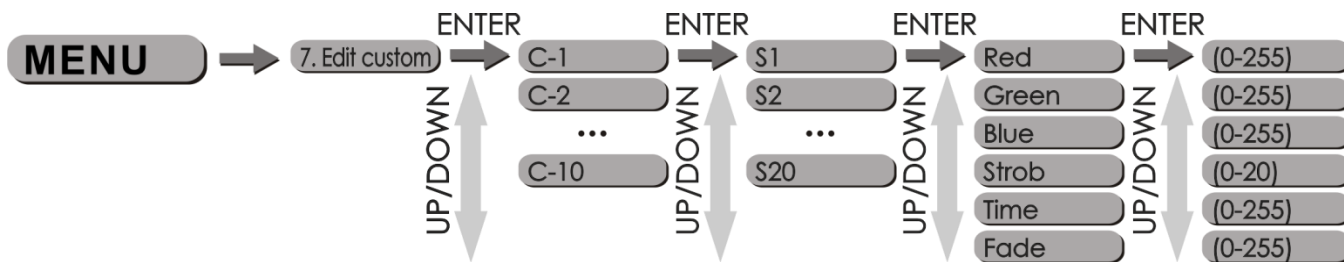
01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Edit custom**".
02) Press **ENTER** to select **Edit custom.**
03) Now you can create 10 chases, with the **UP/DOWN** buttons you can select the desired chase (C1-C10).
04) Press **ENTER** again and you can make the steps/scenes, every chase consists of 20 steps/scenes. Use the **UP/DOWN** buttons to select the desired step/scene (**S1**-**S20**).
05) Press **ENTER** again to confirm the step.
06) Use the **UP/DOWN** buttons to scroll through the sub menu to select the desired color (Red, Green or Blue), Strobe, Time or Fade.
07) To edit the desired mode press **ENTER** again. Now you can set the intensity of the colors (0-255), slow to fast strobe (0-20Hz), the time (0-255 seconds) and fade time (0-255 seconds).
08) If you press **MENU** you'll go back to the previous step in the menu.

8. Settings

With this menu you can set several functions for your Vigo Drive 16.
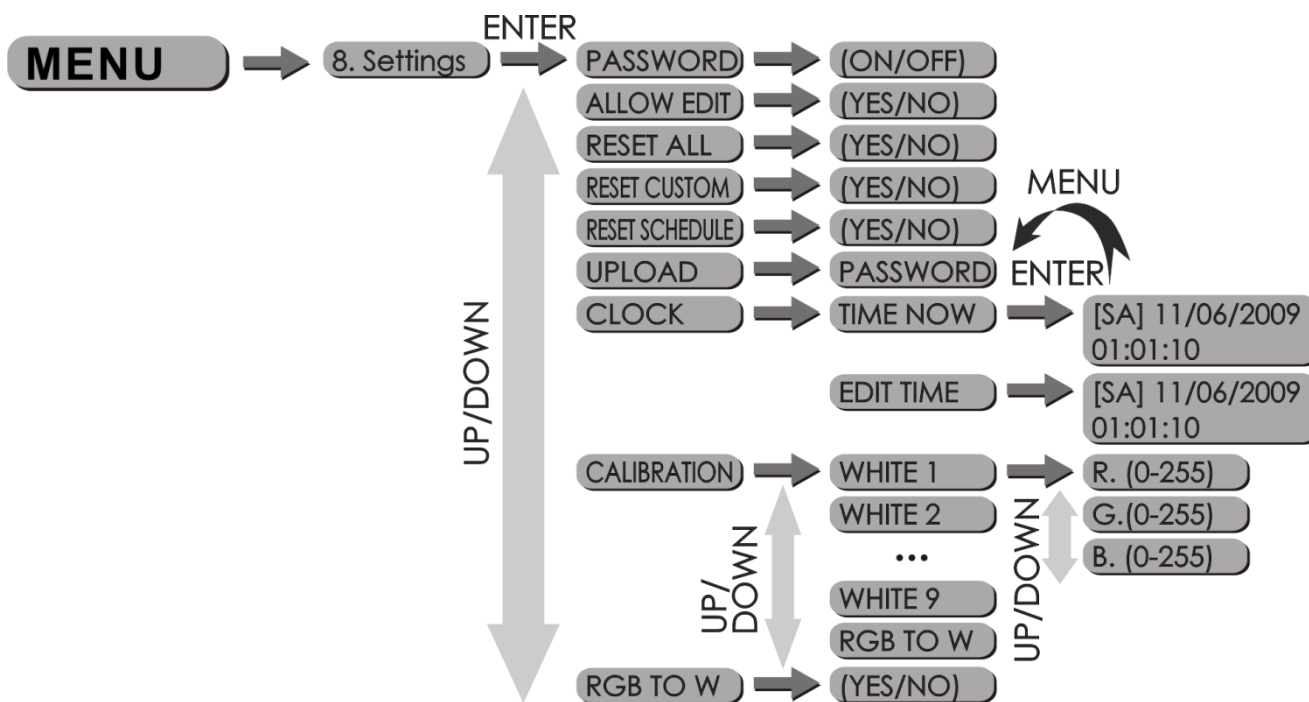
01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Settings**".
02) Press **ENTER** to select **Settings.**
03) Use the **UP/DOWN** buttons to scroll through the sub menu to select the desired mode.
04) Press **ENTER** again to confirm the desired mode.
05) Use the **UP/DOWN** buttons to set the desired mode.
06) For more information about the selectable modes, see the explanation below.
07) If you press **MENU** you'll go back to the previous step in the menu.

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PASSWORD: With this function you can activate the password, if you choose **ON** the password will be activated after 30 seconds without operation. The password is (**UP**) (**DOWN**) (**UP**) (**DOWN**).

ALLOW EDIT: If you select **NO** in this menu you can't adjust the speed from the built-in programs. If you choose **YES** you can adjust the speed.

RESET ALL: With this function you can reset all settings to the original factory settings. Choose "**YES**" or "**NO**" with the **UP/DOWN** buttons and press **ENTER** to confirm.

RESET CUSTOM: With this function you are able to reset the custom programs in the unit. Choose "**YES**" or "**NO**" with the **UP/DOWN** buttons and press **ENTER** to confirm.

RESET SCHEDULE: With this function you are able to reset the schedule programs in the unit. Choose "**YES**" or "**NO**" with the **UP/DOWN** buttons and press **ENTER** to confirm.

UPLOAD: This function is for uploading custom programs from the MASTER fixture to the SLAVE fixtures. To activate this function you have to enter the password, this is the same as the main password ((**UP**) (**DOWN**) (**UP**) (**DOWN**)). The fixtures wil display yellow during the upload. If the uploading is done the MASTER and SLAVE fixtures will display green. The display will show "**SUCCESS!**".

CLOCK: With this function you can set the actual time and date. Press the **ENTER** button once, the display will show "**TIME NOW**". Press **ENTER** again and you can see the actual time and date. Press **MENU** button and you will go to the previous mode. Use the **UP/DOWN** buttons till the display shows "**EDIT TIME**". To confirm this mode press **ENTER**. With the **ENTER** and **UP/DOWN** buttons you can set the time and date.

CALIBRATION: This function allows you to adjust the 9 built-in programs White and the RGB to White color. Press the **ENTER** button and you can choose the built-in programs by using the **UP/DOWN** buttons. If you press once more the **ENTER** button you will go to the submenu to adjust the colors, the display will blink. By pressing the **ENTER** button several times you can scroll through the colors **Red**, **Green** and **Blue**. Each color can be adjusted by using the **UP/DOWN** buttons.

RGB to W: If you choose **YES** you can see the colors (**RGB to W**) which you have adjusted in the menu "**CALIBRATION**". If you choose **NO**, the fixture will display the maximum output by **RGB to W.**

9. Operation
With this menu you can set the working mode for your Vigo Drive 16.
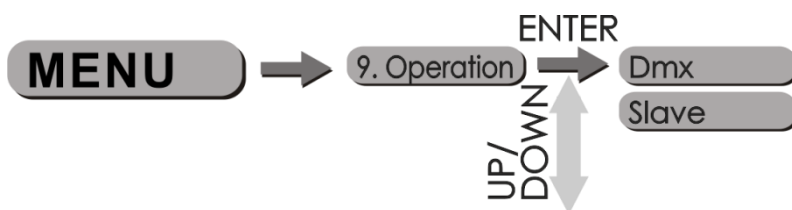
01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Operation**".
02) Press **ENTER** to select **Operation.**
03) Use the **UP/DOWN** buttons to scroll through the sub menu to select the desired mode.
04) With the DMX mode you are able to control the unit with a DMX-controller. The slave mode is for setting the unit as slave.
05) If you press **MENU** you'll go back the main menu.

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10. Schedule
With this menu you can make a schedule to program the Vigo Drive.
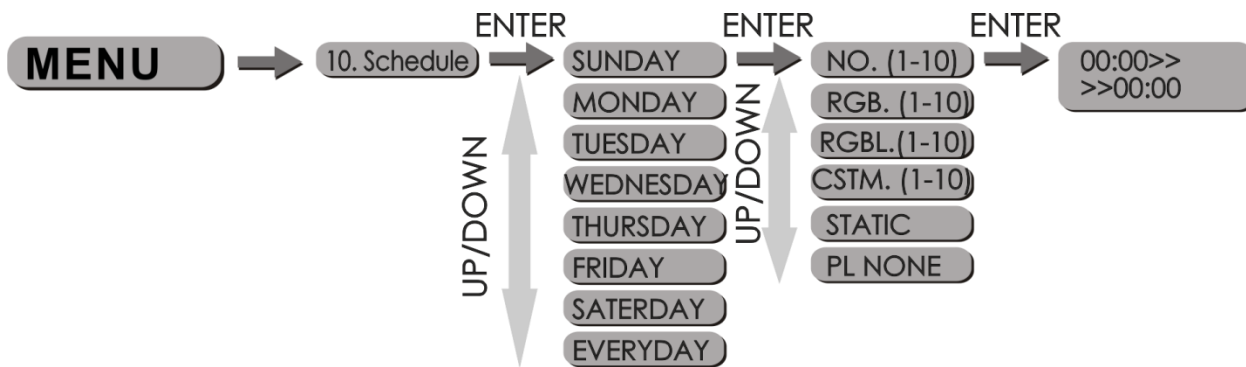
01) Press **MENU** or use the **UP/DOWN** buttons until the display shows "**Schedule**".
02) Press **ENTER** to select **Schedule.**
03) Use the **UP/DOWN** buttons to scroll through the sub menu to select the desired day.
04) Press **ENTER** to confirm the desired day.
05) Use the **UP/DOWN** buttons to scroll through the sub menu to select the desired option.
06) It is possible to set 10 schedules (**NO.1-10**). You can choose between a built-in program (**RGB 1-10** and **RGBL1-10**), a custom program (**CUSTOM 1-10**), a **STATIC COLOR** or **PLAY NONE**.
07) Use the **UP/DOWN** and **ENTER** buttons to set the time for your schedule.
08) If you press **MENU** you'll go back the previous step in the menu.

DMX Channels

9 Channels (EFFECT)

Channel 1 – Red (Dimmer must be open ⚠)
0-255	Gradual adjustment Red from 0 – 100% **(or STEPTIME if CUS.01-CUS.10 is activated)**

Channel 2 – Green (Dimmer must be open ⚠)
0-255	Gradual adjustment Green from 0 – 100% **(or FADETIME if CUS.01-CUS.10 is activated)**

Channel 3 – Blue (Dimmer must be open ⚠)
0-255	Gradual adjustment Blue from 0 – 100%

Channel 4 – Dimmer intensity
0-255	From black to brightest

Channel 5 – Channel Functions (Dimmer must be open ⚠)
0-10	No Function color macro
11-35	Red 100%/ Green Up/ Blue 0%
35-60	Red down/ Green 100%/ Blue 0%
61-85	Red 0%/ Green 100%/ Blue Up
86-110	Red 0%/ Green down/ Blue 100%
111-135	Red Up/ Green 0%/ Blue 100%
136-160	Red 100%/ Green 0%/ Blue Down
161-185	Red 100%/ Green Up/ Blue Up
186-210	Red Down/ Green Down/ Blue 100%
211-215	White 1: 3200K
216-220	White 2: 3400K
221-225	White 3: 4200K

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226-230	White 4: 4900K
231-235	White 5: 5600K
236-240	White 6: 5900K
241-245	White 7: 6500K
246-250	White 8: 7200K
251-255	White 9: 8500K

Channel 6 – Strobe (Dimmer must be open ⚠)

0-4	No function
5-255	From slow to fast (0-20Hz)

Channel 7 – Auto + custom programs (Dimmer and Auto speed must be open ⚠)

0-20	No Function
21-30	Auto RGB 1
31-40	Auto RGB 2
41-50	Auto RGB 3
51-60	Auto RGB 4
61-70	Auto RGB 5
71-80	Auto RGBL 1
81-90	Auto RGBL 2
91-100	Auto RGBL 3
101-110	Auto RGBL 4
111-120	Auto RGBL 5
121-130	Custom 1
131-140	Custom 2
141-150	Custom 3
151-160	Custom 4
161-170	Custom 5
171-180	Custom 6
181-190	Custom 7
191-200	Custom 8
201-210	Custom 9
211-220	Custom 10
221-255	No function

Channel 8 – Auto speed (Dimmer must be open ⚠)

0-255	From slow to fast

Channel 9 – Zone selection (Dimmer must be open ⚠)

0-9	All lines
10-29	Line 1
30-49	Line 2
50-69	Line 3
70-89	Line 4
90-109	Line 5
110-129	Line 6
130-149	Line 7
150-169	Line 8
170-189	Line 9
190-199	Line 10
200-209	Line 11
210-219	Line 12
220-229	Line 13
230-239	Line 14
240-249	Line 15
250-255	Line 16

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3 Channels (RGB)

Channel 1 – Red
0-255   Gradual adjustment Red from 0 – 100%

Channel 2 – Green
0-255   Gradual adjustment Green from 0 – 100%

Channel 3 – Blue
0-255   Gradual adjustment Blue from 0 – 100%

4 Channels (RGB+D)

Channel 1 – Red (Dimmer must be open ⚠)
0-255   Gradual adjustment Red from 0 – 100%

Channel 2 – Green (Dimmer must be open ⚠)
0-255   Gradual adjustment Green from 0 – 100%

Channel 3 – Blue (Dimmer must be open ⚠)
0-255   Gradual adjustment Blue from 0 – 100%

Channel 4 – Dimmer intensity
0-255   From black to brightest

6 Channels (RGB+DMS)

Channel 1 – Red (Dimmer must be open ⚠)
0-255   Gradual adjustment Red from 0 – 100%

Channel 2 – Green (Dimmer must be open ⚠)
0-255   Gradual adjustment Green from 0 – 100%

Channel 3 – Blue (Dimmer must be open ⚠)
0-255   Gradual adjustment Blue from 0 – 100%

Channel 4 – Dimmer intensity
0-255   From black to brightest

Channel 5 – Color macros (Dimmer must be open ⚠)
0-255   Color macros

Channel 6 – Strobe (Dimmer must be open ⚠)
0-255   From slow to fast (0-20Hz)

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48 Channels (RGB+LINE)

Channel 1 – Line 1 Red

0-255   Gradual adjustment Red from 0 – 100%

Channel 2 – Line 1 Green

0-255   Gradual adjustment Green from 0 – 100%

Channel 3 – Line 1 Blue

0-255   Gradual adjustment Blue from 0 – 100%

Channel 4 – Line 2 Red

0-255   Gradual adjustment Red from 0 – 100%

Channel 5 – Line 2 Green

0-255   Gradual adjustment Green from 0 – 100%

Channel 6 – Line 2 Blue

0-255   Gradual adjustment Blue from 0 – 100%
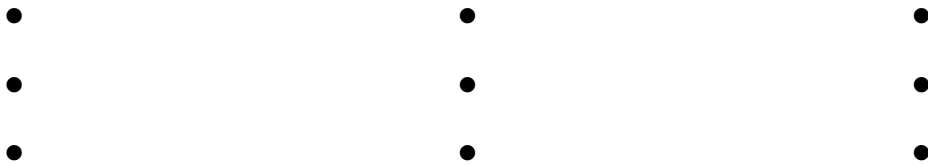
Channel 7 – Line 3 Red

0-255   Gradual adjustment Red from 0 – 100%

Channel 8 – Line 3 Green

0-255   Gradual adjustment Green from 0 – 100%

Channel 9 – Line 3 Blue

0-255   Gradual adjustment Blue from 0 – 100%

- • •
- • •
- • •

Channel 40 – Line 14 Red

0-255   Gradual adjustment Red from 0 – 100%

Channel 41 – Line 14 Green

0-255   Gradual adjustment Green from 0 – 100%

Channel 42 – Line 14 Blue

0-255   Gradual adjustment Blue from 0 – 100%

Channel 43 – Line 15 Red

0-255   Gradual adjustment Red from 0 – 100%

Channel 44 – Line 15 Green

0-255   Gradual adjustment Green from 0 – 100%

Channel 45 – Line 15 Blue

0-255   Gradual adjustment Blue from 0 – 100%

Channel 46 – Line 16 Red

0-255   Gradual adjustment Red from 0 – 100%

Channel 47 – Line 16 Green

0-255   Gradual adjustment Green from 0 – 100%

Channel 48 – Line 16 Blue

0-255   Gradual adjustment Blue from 0 – 100%

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51 Channels (RGB+LINE+DMS)

Channel 1 – Line 1 Red (Dimmer must be open ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 2 – Line 1 Green (Dimmer must be open ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 3 – Line 1 Blue (Dimmer must be open ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 4 – Line 2 Red (Dimmer must be open ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 5 – Line 2 Green (Dimmer must be open ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 6 – Line 2 Blue (Dimmer must be open ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 7 – Line 3 Red (Dimmer must be open ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 8 – Line 3 Green (Dimmer must be open ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 9 – Line 3 Blue (Dimmer must be open ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

●   ●   ●

●   ●   ●

●   ●   ●
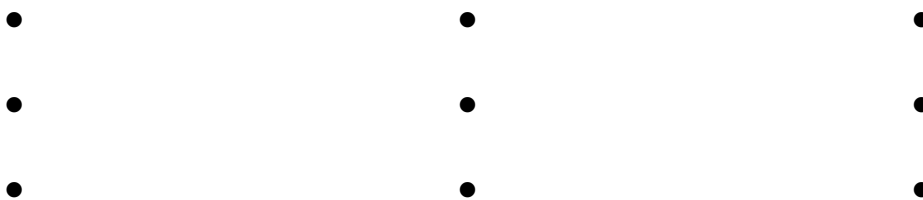
Channel 40 – Line 14 Red (Dimmer must be open ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 41 – Line 14 Green (Dimmer must be open ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 42 – Line 14 Blue (Dimmer must be open ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 43 – Line 15 Red (Dimmer must be open ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 44 – Line 15 Green (Dimmer must be open ⚠)

0-255	Gradual adjustment Green from 0 – 100%

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Channel 45 – Line 15 Blue (Dimmer must be open ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 46 – Line 16 Red (Dimmer must be open ⚠)

0-255	Gradual adjustment Red from 0 – 100%

Channel 47 – Line 16 Green (Dimmer must be open ⚠)

0-255	Gradual adjustment Green from 0 – 100%

Channel 48 – Line 16 Blue (Dimmer must be open ⚠)

0-255	Gradual adjustment Blue from 0 – 100%

Channel 49 – All lines dimmer intensity

0-255	From black to brightest

Channel 50 – All lines macro (Dimmer must be open ⚠)

0-255	Color macros

Channel 51 – All lines strobe (Dimmer must be open ⚠)

0-255	From slow to fast (0-20Hz)

1 Channel (Solid)

Channel 1 – RGB and Master

0-255	From black to brightest RGB

2 Channels (STUDIO W)

Channel 1 – Warm white

0-255	Gradual adjustment Warm white from 0 – 100%

Channel 2 – Cool white

0-255	Gradual adjustment Cool white from 0 – 100%

3 Channels (STUDIO W+D)

Channel 1 – Dimmer intensity

0-255	From black to brightest

Channel 2 – Warm white (Dimmer must be open ⚠)

0-255	Gradual adjustment Warm white from 0 – 100%

Channel 3 – Cool white (Dimmer must be open ⚠)

0-255	Gradual adjustment Cool white from 0 – 100%

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Maintenance

The operator has to make sure that safety-related and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.
The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:
01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
02) There may not be any deformations on housings, fixations and installation spots.
03) The electric power supply cable must not show any damages or material fatigue.

The Vigo Drive 16 requires almost no maintenance. However, you should keep the unit clean.

Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

No Light

If the light effect does not operate properly, refer servicing to a technician.
Suspect two potential problem areas as: the power supply and the fixtures.
01) Power supply. Check that the unit is plugged into an appropriate power supply.
02) Return the Vigo Drive 16 to your Artecta dealer.
03) A fixture does not respond to the Vigo Drive 16: Make sure the connections are correct.
04) If all of the above appears to be O.K., plug the unit in again.
05) If you are unable to determine the cause of the problem, do not open the Vigo Drive 16, as this may damage the unit and the warranty will become void.
06) Return the device to your Artecta dealer.

No Response to DMX

Response: Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.
01) Check the DMX setting. Make sure that DMX addresses are correct.
02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX fixtures? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

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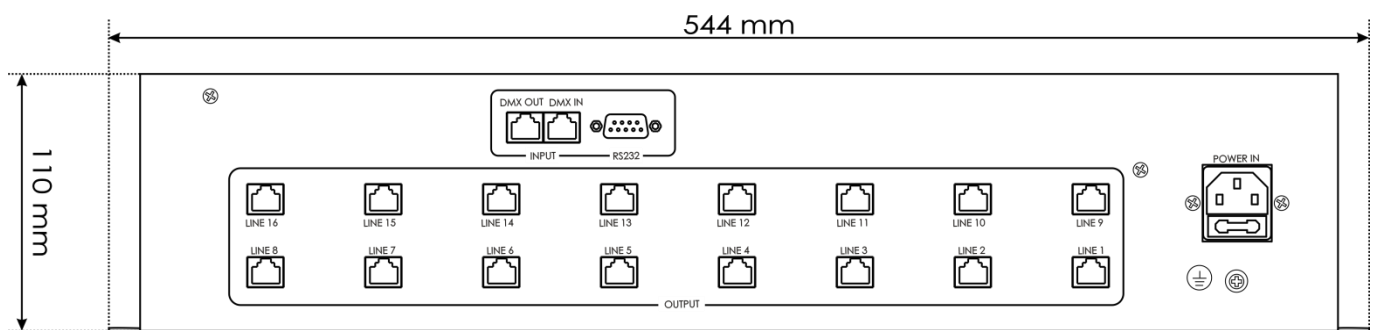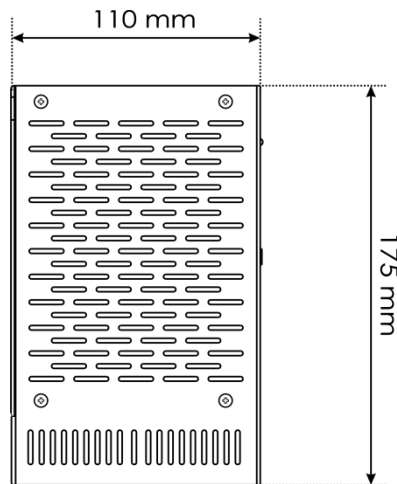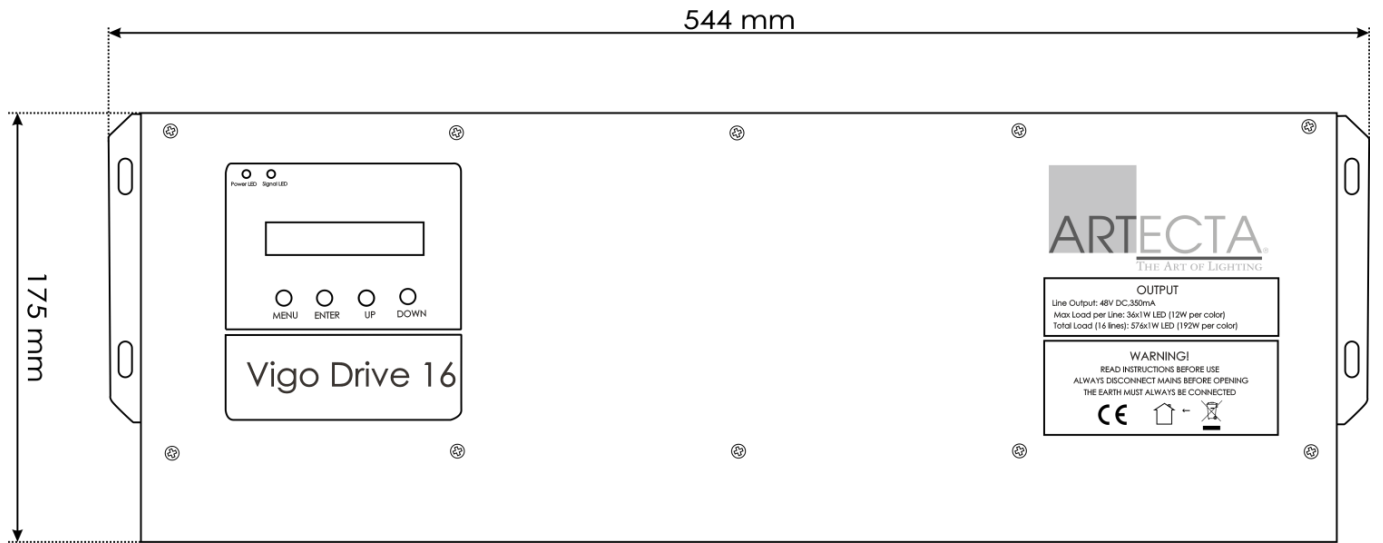
Product Specifications

Model:	Artecta Vigo Drive 16
Input Voltage:	100-240V, 50/60Hz
Output:	48V DC, 350 mA
Dimensions:	544 x 110 x 175 mm (LxWxH)
Weight:	5,5 kg
Features	
Output line:	16 fixture lines, each line 36 x 1W (RJ-45 connector)
Total output:	576 x 1W LED (48w per color)
Operation:	DMX, Master/Slave, Stand alone
DMX Channels:	1CH, 2CH, 3CH, 3CH, 4CH, 6CH, 9CH, 48CH or 51CH
IP rating:	IP20
Display:	LCD
Connections:	Volex IEC connector, RJ45 and RS-232
20 Built-in programs	
10 custom programs	
Static play	
Calibration	
RGB	
Clock	
Min. operating temperature t_a:	-20°C
Max. operating temperature t_B:	40°C
Minimum distance:	
Minimum distance to lighted object:	1 m

Design and product specifications are subject to change without prior notice.

CE

Website: www.artecta.nl
Email: service@highlite.com

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Dimensions

544 mm

175 mm

Power LED   Signal LED

MENU   ENTER   UP   DOWN

Vigo Drive 16

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OUTPUT
Line Output: 48V DC,350mA
Max Load per Line: 36x1W LED (12W per color)
Total Load (16 lines): 576x1W LED (192W per color)

WARNING!
READ INSTRUCTIONS BEFORE USE
ALWAYS DISCONNECT MAINS BEFORE OPENING
THE EARTH MUST ALWAYS BE CONNECTED

CE

110 mm

175 mm

544 mm

110 mm

DMX OUT   DMX IN

INPUT   RS232

POWER IN

LINE 16   LINE 15   LINE 14   LINE 13   LINE 12   LINE 11   LINE 10   LINE 9

LINE 8   LINE 7   LINE 6   LINE 5   LINE 4   LINE 3   LINE 2   LINE 1

OUTPUT

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