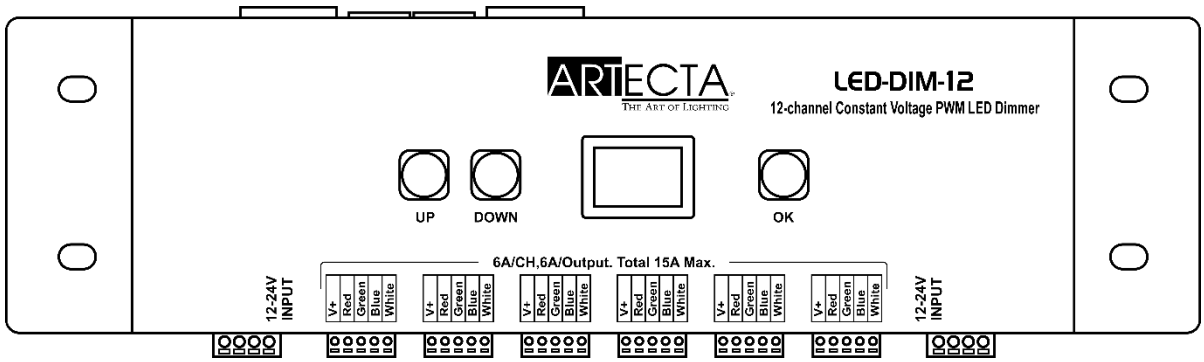
ARTECTA
THE ART OF LIGHTING

MANUAL



ENGLISH

LED Dim 12 V1

Ordercode: A9915045

Table of contents

Warning

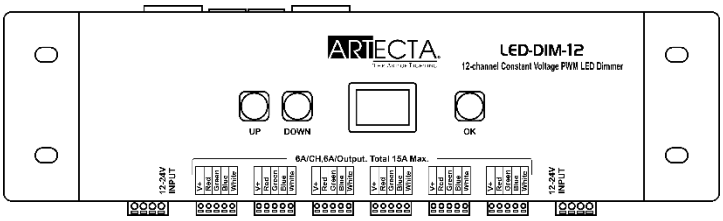
For your own safety, please read this user manual carefully before your initial start-up!

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 device must be returned to the factory, it is important that the device be returned in the original factory box and packing.

Your shipment includes:

- Artecta LED Dim 12
- User manual



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!

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 device.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- 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 checked if the housing is firmly closed and all screws are tightly fastened.
- 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 device 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 device 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 device running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- The user is responsible for correct positioning and operating of the LED Dim 12. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

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 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!

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!

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 device. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack device, 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 device 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.

Description of the device

The LED Dim 12 is a universal and versatile PWM dimmer which is suitable to use with constant-voltage LED strips. It has 12 outputs which all can control 4-channel strips with a working voltage within 12 V and 24 V. The device can be easily set up by means of the OLED display. You can use the RJ45 or 3-pin DMX connectors to connect DMX. With the Phoenix terminal connections it is easy to connect the device to the mains power supply and to connect LED strips.

Features

- Power supply: 12–24 V DC
- Load @ 12 V: max. 6 A/channel (15 A total/180 W)
- Load @ 24 V: max. 6 A/channel (15 A total/360 W)
- Housing: Black powder-coated metal
- DMX connections: 3-pin XLR/RJ45 IN/OUT
- DMX channels: 3, 6, 18, 36 channels (RGB);
  4, 8, 24, 48 channels (RGBW);
  1, 2, 6, 12 channels (WHITE);
  2, 4, 12, 24 channels (WW+CW)
- 12–24 V DC IN: 4-pin Phoenix terminal (maximum cable gauge: 1,5 mm² / AWG: 12)
- PWM OUT: 4-pin Phoenix terminal (maximum cable gauge: 1,5 mm² / AWG: 14)
- IP rating: IP20
- Operation temperature: 0 °C to +40 °C
- Storage temperature: -20 °C to +70 °C
- Dimensions: 286 x 90 x 62 mm (LxWxH)
- Weight: 0,9 kg

Front

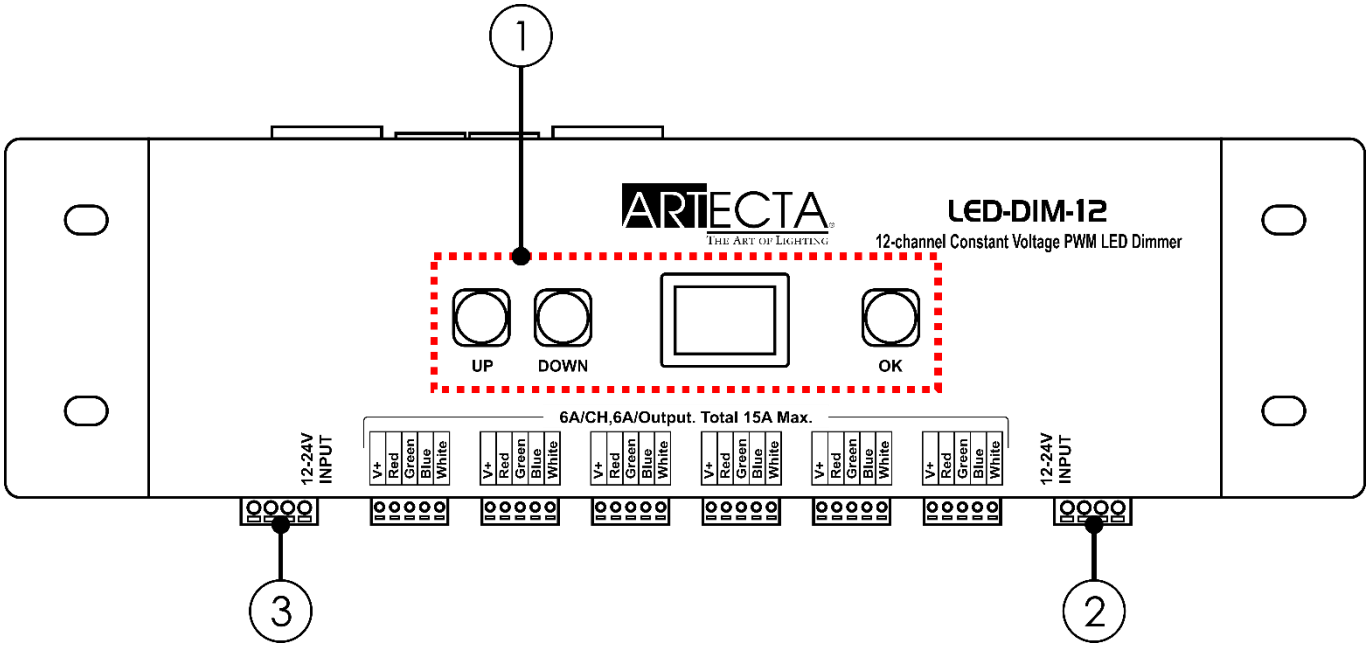


Fig. 01

01) OLED display + control buttons
02) 12–24 V, max. 15 A Phoenix terminal power connector (outputs 1–6) IN
03) 12–24 V, max. 15 A Phoenix terminal power connector (outputs 7–12) IN

Back

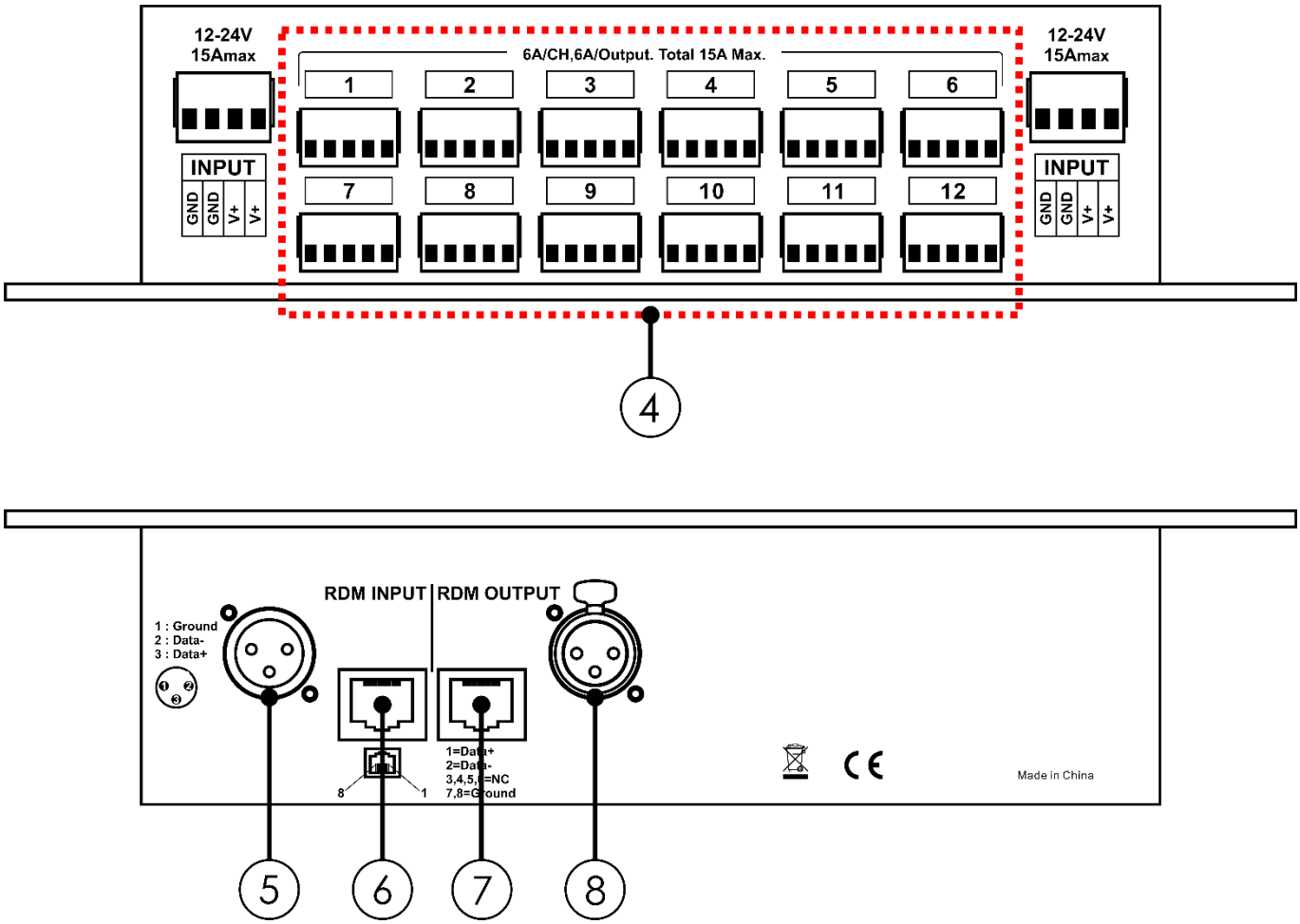


Fig. 02

04) LED Phoenix terminal connector OUT (1–12)
- When using RGB(W) LED strips: Connect the RGB(W) cables to the connectors with the corresponding colors.
- When using Cool White/Warm White LED strips: Connect the Cool White strip to the Red and Blue connectors. Connect the Warm White strip to the Green and White connectors.

05) 3-pin DMX signal connector IN
06) RJ45 DMX signal connector IN
07) RJ45 DMX signal connector OUT
08) 3-pin DMX signal connector OUT

Installation

Remove all packing materials from the LED Dim 12. 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.

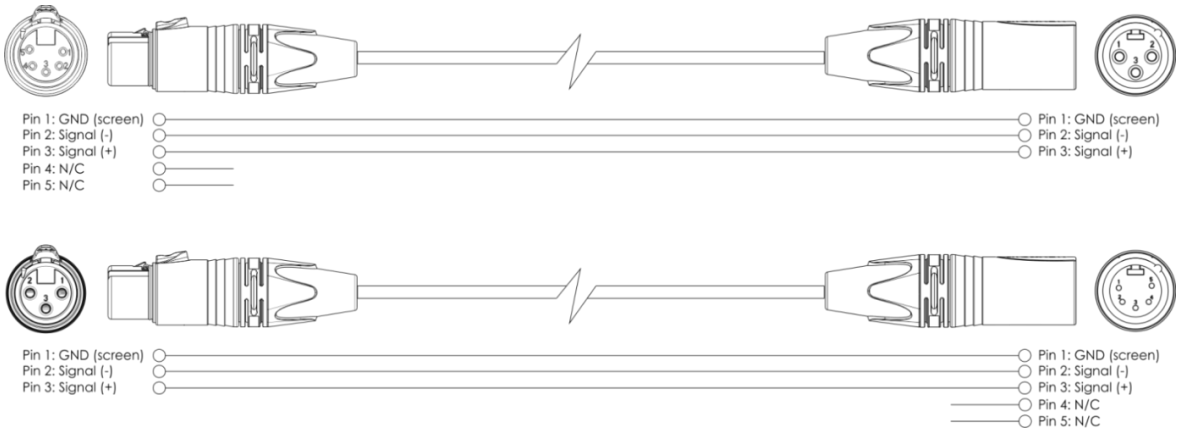
Setup and Operation

Before plugging the device in, always make sure that the power supply matches the product specification voltage.
A maximum of **6 A** load **is allowed** on a single channel and the maximum of loads distributed over all 12 channels **must not exceed 15 A**.

Control Modes

Setup LED Dim 12 with Lighting Controller

01) Use a 3-pin XLR cable to connect the LED Dims to each other.



02) Connect a lighting controller to the first device's "in" socket.
03) Link the devices as shown in (Fig. 03). Connect a DMX signal cable from the first device's DMX/RJ45 "out" socket to the second device's "in" socket. Repeat this process to link the second, third, and fourth devices.
04) Connect LEDs to the LED connectors on the LED Dims.
05) Supply electric power to each LED Dim, starting with the first device. Do not supply power before the whole system is set up and connected properly.

Setup LED Dim 12 with Lighting Controller

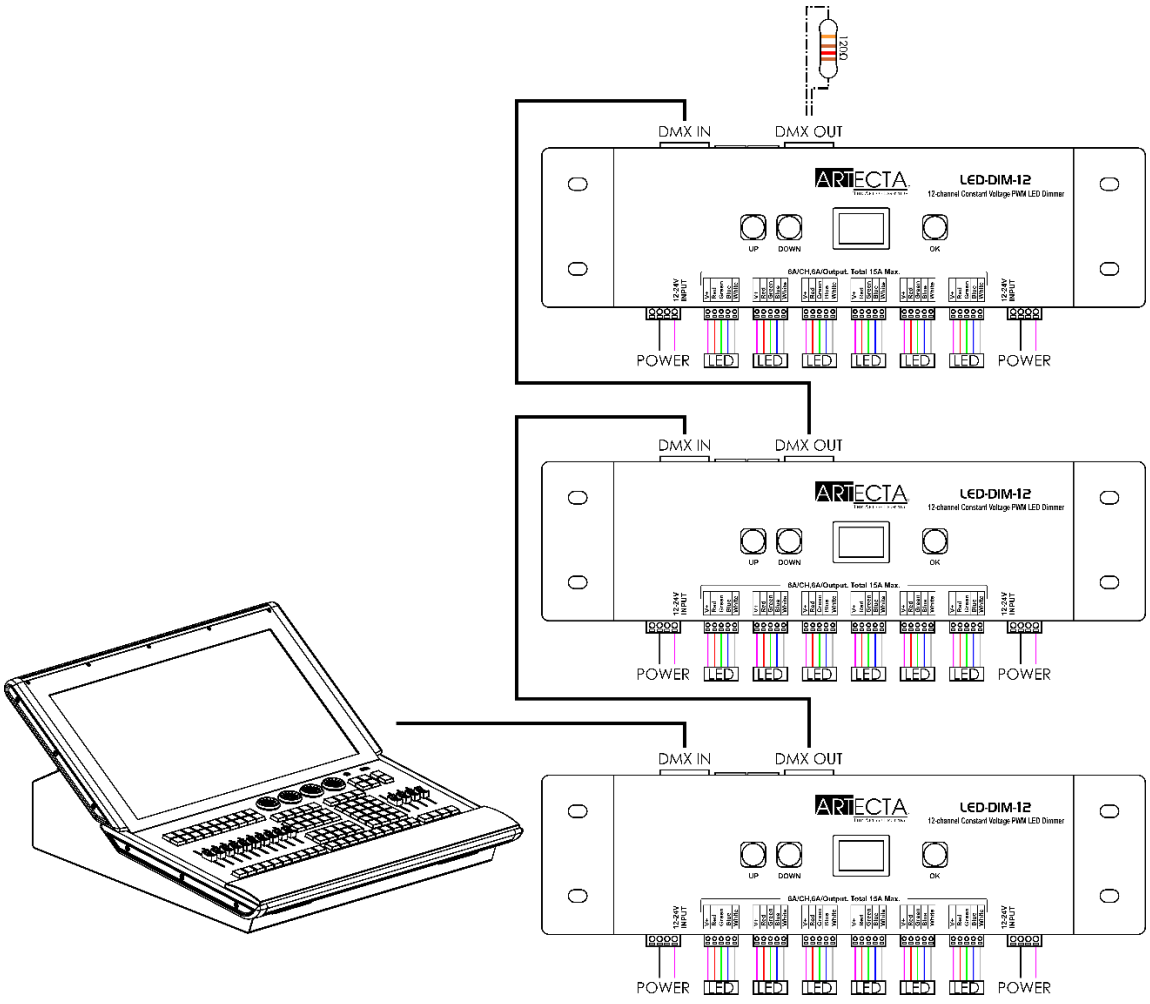


Fig. 03

Note: Link all cables before connecting electric power

Device Linking

You will need a serial data link to run light shows of one or more devices using a DMX-512 controller or to run synchronized shows of two or more devices set to a master/slave operating mode. The combined number of channels required by all the devices on a serial data link determines the number of devices the data link can support.

Important: Devices on a serial data link must be daisy-chained in a single line. To comply with the EIA-485 standard, no more than 30 devices should be connected on one data link. Connecting more than 30 devices on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.

Maximum recommended DMX data link distance: 100 meters
Maximum recommended number of devices on a DMX data link: 30 devices

Control Panel

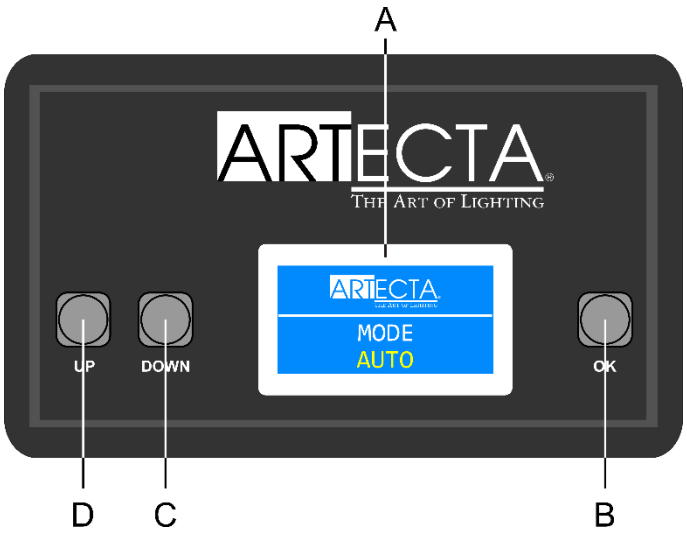


Fig. 04

A) OLED display
B) OK button
C) DOWN button
D) UP button

DMX Addressing

The control panel on the front side of the base allows you to assign DMX addresses, which is the first channel with which the LED Dim will respond to the controller.
Please note, when you use the controller, the device has **48** channels.
When using multiple LED Dims, make sure you set the DMX addresses right.
Therefore, the DMX address of the first LED Dim should be **1(001)**; the DMX address of the second LED Dim should be **1+48=49 (049)**; the DMX address of the third LED Dim should be **49+48=97 (097)**, etc.
Please, be sure that you do not have any overlapping channels in order to control each LED Dim correctly. If two or more LED Dims are addressed similarly, they will work similarly.

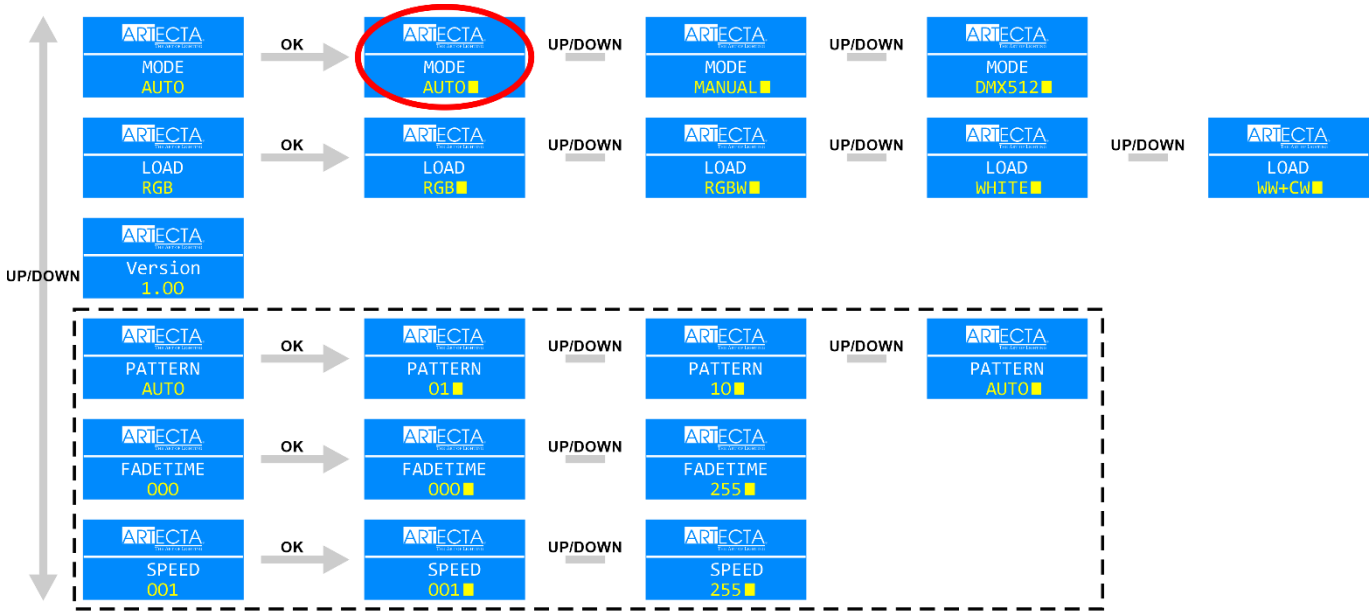
Controlling:

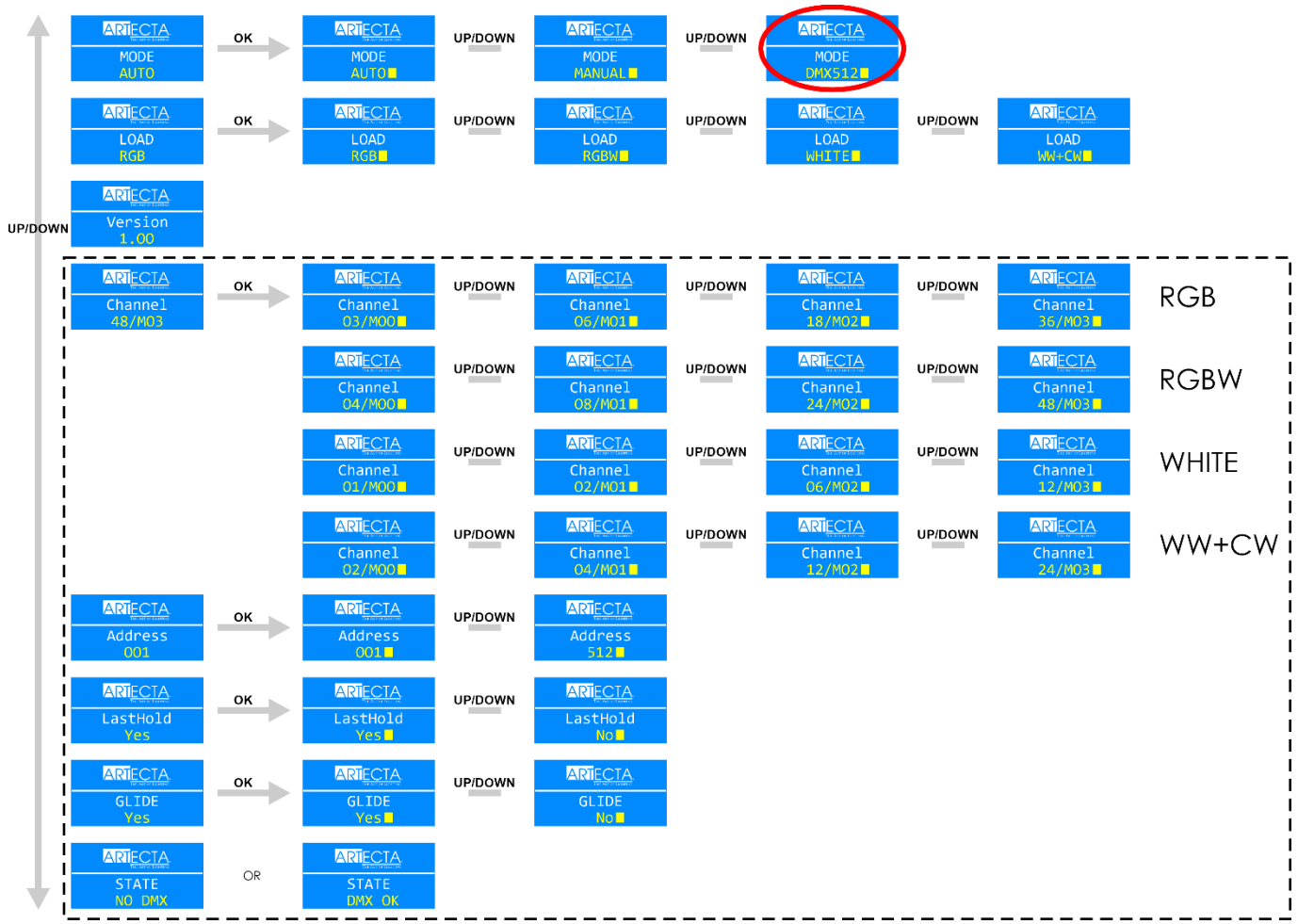
After having addressed all LED Dim devices, you may now start operating these via your lighting controller.
Note: After switching on, the LED Dim will automatically detect whether DMX 512 data is received or not. If it does not, the problem may be:

- The XLR cable from the controller is not connected with the input of the LED Dim.
- The controller is switched off or defective, the cable or connector is detective, or the signal wires are swapped in the input connector.

Note: It is necessary to insert an XLR termination plug (with 120 Ohm) in the last device in order to ensure proper transmission on the DMX data link.

Menu Overview




ARTECTA
MODE AUTO
OK
MODE AUTO
UP/DOWN
MODE MANUAL
UP/DOWN
MODE DMX512
LOAD RGB
LOAD RGB
LOAD RGBW
LOAD WHITE
LOAD WW+CW
Version 1.00
UP/DOWN
Channel 48/M03
Channel 03/M00
Channel 06/M01
Channel 18/M02
Channel 36/M03
RGB
Channel 04/M00
Channel 08/M01
Channel 24/M02
Channel 48/M03
RGBW
Channel 01/M00
Channel 02/M01
Channel 06/M02
Channel 12/M03
WHITE
Channel 02/M00
Channel 04/M01
Channel 12/M02
Channel 24/M03
WW+CW
Address 001
Address 001
Address 512
LastHold Yes
LastHold Yes
LastHold No
GLIDE Yes
GLIDE Yes
GLIDE No
STATE NO DMX
OR
STATE DMX OK

Main Menu Options

1. Mode Selection

2. Load (Color Modes)

3. Software Version

1. Mode Selection
In this menu you can select the desired operation mode.

01) While in main menu, press the **UP**/**DOWN** buttons until the display shows 

.
02) Press the **OK** button to enter.
03) Press the **UP**/**DOWN** buttons to choose one of the 3 operation modes:

Auto mode

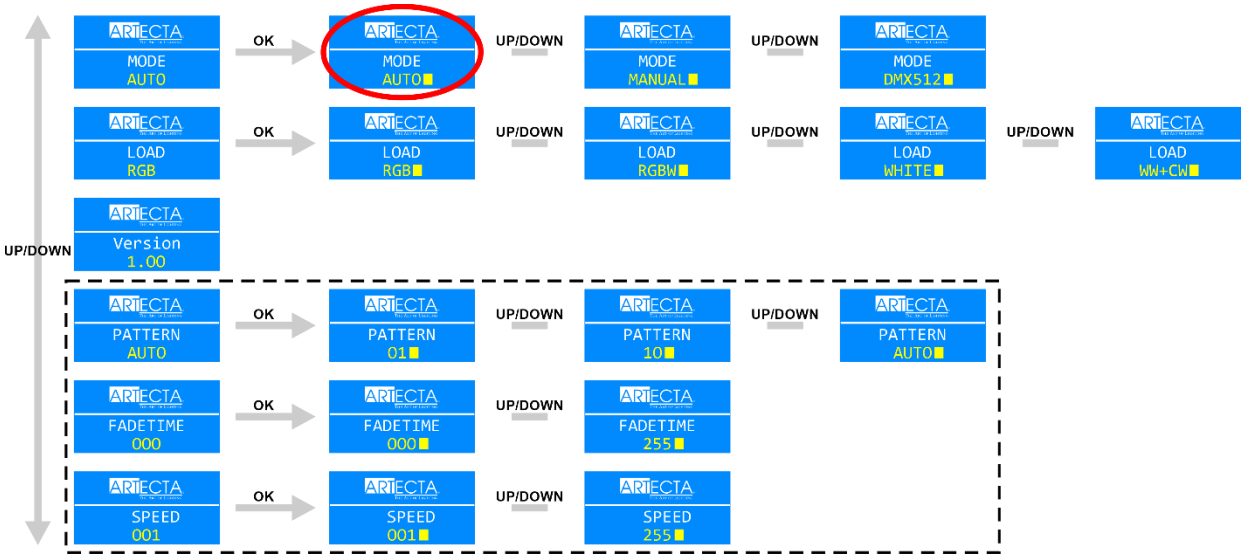
Manual mode

DMX mode

04) Press the **OK** button to confirm your choice.
05) Each operation mode has unique main menu options. See **1.1. Auto Mode**, **1.2. Manual Mode** and **1.3. DMX Mode** (pages 12–15).

1.1. Auto Mode

In this menu you can run the auto programs.



1.1.1. Pattern

In this menu you can set the built-in programs.

01) Press the **UP**/**DOWN** buttons until the display shows 

.
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to select the desired built-in programs (1–10) or AUTO (all 10 built-in programs in a sequence).
04) Press the **OK** button to confirm your choice.

1.1.2. Fadetime

I this menu you can set the fade time.

01) Press the **UP**/**DOWN** buttons until the display shows 

.
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to set the fade time. The adjustment range is 0–255, from fast to slow.
04) Press the **OK** button to save changes.

1.1.3. Speed

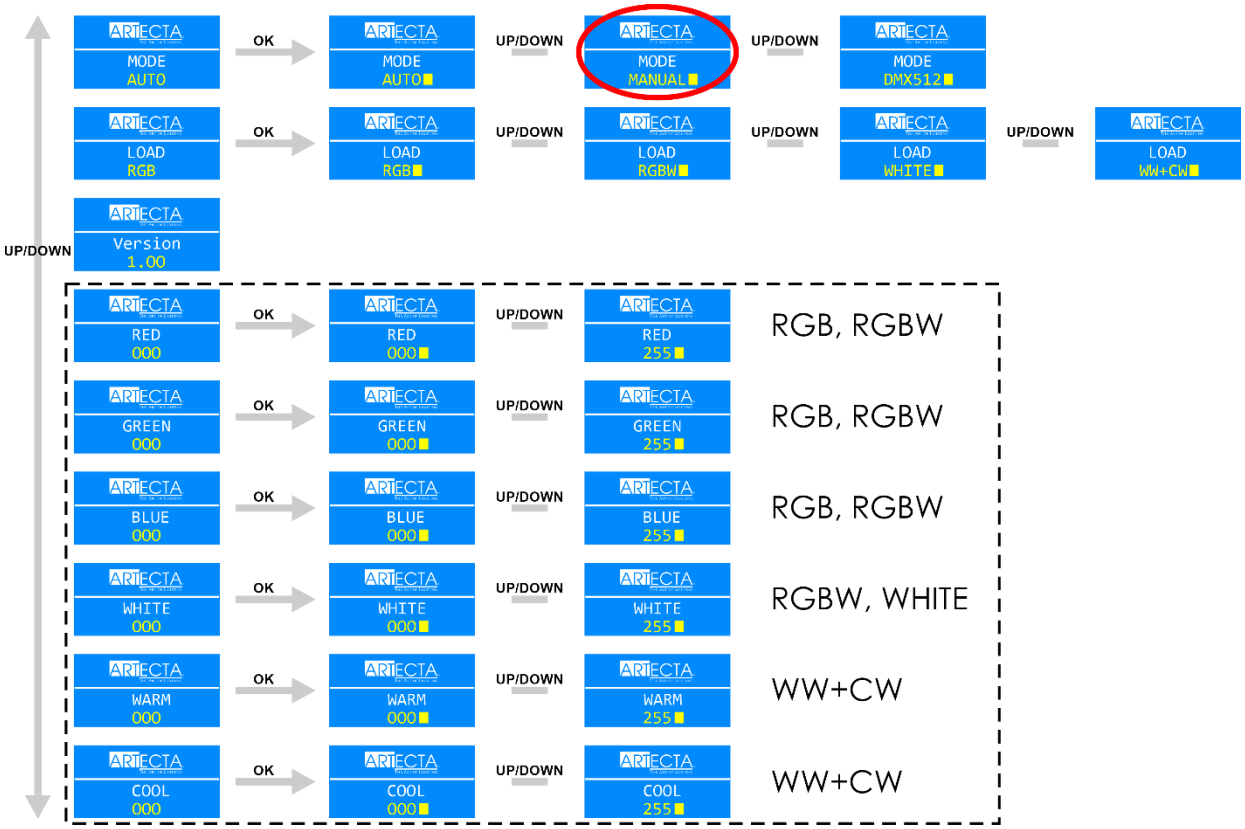
In this menu you can set the program speed.

01) Press the **UP**/**DOWN** buttons until the display shows 

.
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to set the program speed. The adjustment range is 1–255, from fast to slow.
04) Press the **OK** button to save changes.

1.2. Manual Mode

In this menu you can set the static colors.



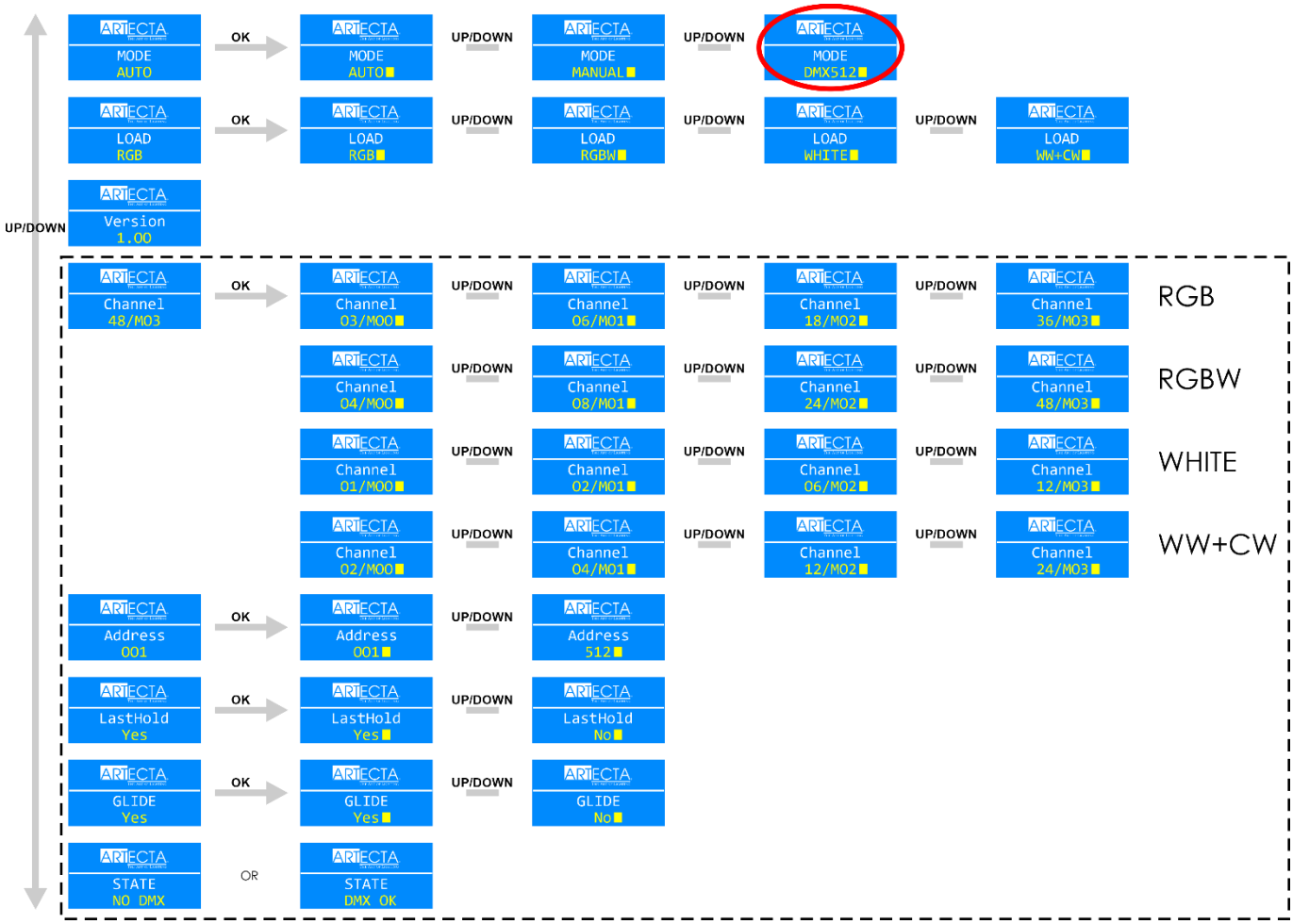
01) Press the **UP**/**DOWN** buttons to select one of the available static colors (red, green, blue, white, warm white, cool white).

    Note: The availability of the static colors depends on the currently selected color mode (LOAD). There are 4 color modes: RGB, RGBW, WHITE and WW+CW. For more information, see **2. Load (Color Modes)**, page 15.

02) Press the **OK** button to open the desired color.
03) Press the **UP**/**DOWN** buttons to set the color brightness. The adjustment range is 0–255, from dark to brightest.
04) Press the **OK** button to save changes.
05) You can combine the available static colors to create an infinite range of colors (0–255).

1.3. DMX Mode

In this menu you can set the DMX settings.



1.3.1. Channel Modes

In this menu you can set the desired DMX channel mode.

01) Press the **UP**/**DOWN** buttons until the display shows 

.
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to select the desired DMX channel mode.

Note: The availability of the static colors depends on the currently selected color mode (LOAD). There are 4 color modes: RGB, RGBW, WHITE and WW+CW. For more information, see **2. Load (Color Modes)**, page 15.

04) The available channel modes are:
- RGB: 3, 6, 18, 36 channels
- RGBW: 4, 8, 24, 48 channels
- WHITE: 1, 2, 6, 12 channels
- WW+CW: 2, 4, 12, 24 channels

05) Press the **OK** button to confirm your choice.

1.3.2. DMX Addressing

In this menu you can set the DMX starting address.

01) Press the **UP**/**DOWN** buttons until the display shows .
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to select the DMX starting address. The adjustment range is 001–512.
04) Press the **OK** button to save changes.

1.3.3. DMX Error

In this menu you can set the device's behavior in case of a DMX signal error.

01) Press the **UP**/**DOWN** buttons until the display shows .
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to select YES or NO:
    - YES: The device will use last properly received DMX signal, ensuring undisrupted performance.
    - NO: The device will black out the light output.

04) Press the **OK** button to confirm your choice.

1.3.4. Glide

In this menu you can activate/deactivate the fade time.

01) Press the **UP**/**DOWN** buttons until the display shows .
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to select YES or NO:
    - YES: Fade time ON
    - NO: Fade time OFF

04) Press the **OK** button to confirm your choice.

1.3.5. DMX Status

In this menu you can view the DMX status.

01) Press the **UP**/**DOWN** buttons until the display shows or .
(DMX OK: DMX signal present; NO DMX: DMX signal not present) .

2. Load (Color Modes)

In this menu you can set the color modes.

01) Press the **UP**/**DOWN** buttons until the display shows .
02) Press the **OK** button to open the menu.
03) Press the **UP**/**DOWN** buttons to select the desired color mode: RGB (red, green, blue); RGBW (red, green, blue, white); WHITE or WW+CW (warm white+cool white).
04) Press the **OK** button to confirm your choice.

3. Software Version

In this menu you can view the currently installed software version.

01) Press the **UP**/**DOWN** buttons until the display shows .

DMX Channels

3 channels (RGB)

Channel 1 – Red (Outputs 1–12)
0–255 Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Outputs 1–12)
0–255 Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Outputs 1–12)
0–255 Gradual adjustment Blue, from dark to brightest

6 channels (RGB)

Channel 1 – Red (Outputs 1–6)
0–255 Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Outputs 1–6)
0–255 Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Outputs 1–6)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 4 – Red (Outputs 7–12)
0–255 Gradual adjustment Red, from dark to brightest

Channel 5 – Green (Outputs 7–12)
0–255 Gradual adjustment Green, from dark to brightest

Channel 6 – Blue (Outputs 7–12)
0–255 Gradual adjustment Blue, from dark to brightest

18 channels (RGB)

Channel 1 – Red (Outputs 1–2)
0–255 Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Outputs 1–2)
0–255 Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Outputs 1–2)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 4 – Red (Outputs 3–4)
0–255 Gradual adjustment Red, from dark to brightest

Channel 5 – Green (Outputs 3–4)
0–255 Gradual adjustment Green, from dark to brightest

Channel 6 – Blue (Outputs 3–4)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 7 – Red (Outputs 5–6)
0–255 Gradual adjustment Red, from dark to brightest

Channel 8 – Green (Outputs 5–6)

0–255	Gradual adjustment Green, from dark to brightest

Channel 9 – Blue (Outputs 5–6)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 10 – Red (Outputs 7–8)

0–255	Gradual adjustment Red, from dark to brightest

Channel 11 – Green (Outputs 7–8)

0–255	Gradual adjustment Green, from dark to brightest

Channel 12 – Blue (Outputs 7–8)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 13 – Red (Outputs 9–10)

0–255	Gradual adjustment Red, from dark to brightest

Channel 14 – Green (Outputs 9–10)

0–255	Gradual adjustment Green, from dark to brightest

Channel 15 – Blue (Outputs 9–10)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 16 – Red (Outputs 11–12)

0–255	Gradual adjustment Red, from dark to brightest

Channel 17 – Green (Outputs 11–12)

0–255	Gradual adjustment Green, from dark to brightest

Channel 18 – Blue (Outputs 11–12)

0–255	Gradual adjustment Blue, from dark to brightest

36 channels (RGB)

Channel 1 – Red (Output 1)

0–255	Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Output 1)

0–255	Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Output 1)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 4 – Red (Output 2)

0–255	Gradual adjustment Red, from dark to brightest

Channel 5 – Green (Output 2)

0–255	Gradual adjustment Green, from dark to brightest

Channel 6 – Blue (Output 2)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 7 – Red (Output 3)

0–255	Gradual adjustment Red, from dark to brightest

Channel 8 – Green (Output 3)
0–255 Gradual adjustment Green, from dark to brightest

Channel 9 – Blue (Output 3)
0–255 Gradual adjustment Blue, from dark to brightest

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• • •
• • •

Channel 34 – Red (Output 12)
0–255 Gradual adjustment Red, from dark to brightest

Channel 35 – Green (Output 12)
0–255 Gradual adjustment Green, from dark to brightest

Channel 36 – Blue (Output 12)
0–255 Gradual adjustment Blue, from dark to brightest

4 channels (RGBW)

Channel 1 – Red (Outputs 1–12)
0–255 Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Outputs 1–12)
0–255 Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Outputs 1–12)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 4 – White (Outputs 1–12)
0–255 Gradual adjustment White, from dark to brightest

8 channels (RGBW)

Channel 1 – Red (Outputs 1–6)
0–255 Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Outputs 1–6)
0–255 Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Outputs 1–6)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 4 – White (Outputs 1–6)
0–255 Gradual adjustment White, from dark to brightest

Channel 5 – Red (Outputs 7–12)
0–255 Gradual adjustment Red, from dark to brightest

Channel 6 – Green (Outputs 7–12)
0–255 Gradual adjustment Green, from dark to brightest

Channel 7 – Blue (Outputs 7–12)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 8 – White (Outputs 7–12)

0–255	Gradual adjustment White, from dark to brightest

24 channels (RGBW)

Channel 1 – Red (Outputs 1–2)

0–255	Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Outputs 1–2)

0–255	Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Outputs 1–2)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 4 – White (Outputs 1–2)

0–255	Gradual adjustment White, from dark to brightest

Channel 5 – Red (Outputs 3–4)

0–255	Gradual adjustment Red, from dark to brightest

Channel 6 – Green (Outputs 3–4)

0–255	Gradual adjustment Green, from dark to brightest

Channel 7 – Blue (Outputs 3–4)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 8 – White (Outputs 3–4)

0–255	Gradual adjustment White, from dark to brightest

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Channel 21 – Red (Outputs 11–12)

0–255	Gradual adjustment Red, from dark to brightest

Channel 22 – Green (Outputs 11–12)

0–255	Gradual adjustment Green, from dark to brightest

Channel 23 – Blue (Outputs 11–12)

0–255	Gradual adjustment Blue, from dark to brightest

Channel 24 – White (Outputs 11–12)

0–255	Gradual adjustment White, from dark to brightest

48 channels (RGBW)

Channel 1 – Red (Output 1)
0–255 Gradual adjustment Red, from dark to brightest

Channel 2 – Green (Output 1)
0–255 Gradual adjustment Green, from dark to brightest

Channel 3 – Blue (Output 1)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 4 – White (Output 1)
0–255 Gradual adjustment White, from dark to brightest

Channel 5 – Red (Output 2)
0–255 Gradual adjustment Red, from dark to brightest

Channel 6 – Green (Output 2)
0–255 Gradual adjustment Green, from dark to brightest

Channel 7 – Blue (Output 2)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 8 – White (Output 2)
0–255 Gradual adjustment White, from dark to brightest

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Channel 45 – Red (Output 12)
0–255 Gradual adjustment Red, from dark to brightest

Channel 46 – Green (Output 12)
0–255 Gradual adjustment Green, from dark to brightest

Channel 47 – Blue (Output 12)
0–255 Gradual adjustment Blue, from dark to brightest

Channel 48 – White (Output 12)
0–255 Gradual adjustment White, from dark to brightest

1 channel (WHITE)

Channel 1 – White (Outputs 1–12)

0–255	Gradual adjustment White, from dark to brightest

2 channels (WHITE)

Channel 1 – White (Outputs 1–6)

0–255	Gradual adjustment White, from dark to brightest

Channel 2 – White (Outputs 7–12)

0–255	Gradual adjustment White, from dark to brightest

6 channels (WHITE)

Channel 1 – White (Outputs 1–2)

0–255	Gradual adjustment White, from dark to brightest

Channel 2 – White (Outputs 3–4)

0–255	Gradual adjustment White, from dark to brightest

Channel 3 – White (Outputs 5–6)

0–255	Gradual adjustment White, from dark to brightest

Channel 4 – White (Outputs 7–8)

0–255	Gradual adjustment White, from dark to brightest

Channel 5 – White (Outputs 9–10)

0–255	Gradual adjustment White, from dark to brightest

Channel 6 – White (Outputs 11–12)

0–255	Gradual adjustment White, from dark to brightest

12 channels (WHITE)

Channel 1 – White (Output 1)

0–255	Gradual adjustment White, from dark to brightest

Channel 2 – White (Output 2)

0–255	Gradual adjustment White, from dark to brightest

Channel 3 – White (Output 3)

0–255	Gradual adjustment White, from dark to brightest

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Channel 12 – White (Output 12)

0–255	Gradual adjustment White, from dark to brightest

2 channels (WW+CW)

Channel 1 – Warm White (Outputs 1–12)

0–255	Gradual adjustment Warm White, from dark to brightest

Channel 2 – Cool White (Outputs 1–12)

0–255	Gradual adjustment Cool White, from dark to brightest

4 channels (WW+CW)

Channel 1 – Warm White (Outputs 1–6)

0–255	Gradual adjustment Warm White, from dark to brightest

Channel 2 – Cool White (Outputs 1–6)

0–255	Gradual adjustment Cool White, from dark to brightest

Channel 3 – Warm White (Outputs 7–12)

0–255	Gradual adjustment Warm White, from dark to brightest

Channel 4 – Cool White (Outputs 7–12)

0–255	Gradual adjustment Cool White, from dark to brightest

12 channels (WW+CW)

Channel 1 – Warm White (Outputs 1–2)

0–255	Gradual adjustment Warm White, from dark to brightest

Channel 2 – Cool White (Outputs 1–2)

0–255	Gradual adjustment Cool White, from dark to brightest

Channel 3 – Warm White (Outputs 3–4)

0–255	Gradual adjustment Warm White, from dark to brightest

Channel 4 – Cool White (Outputs 3–4)

0–255	Gradual adjustment Cool White, from dark to brightest

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Channel 11 – Warm White (Outputs 11–12)

0–255	Gradual adjustment Warm White, from dark to brightest

Channel 12 – Cool White (Outputs 11–12)

0–255	Gradual adjustment Cool White, from dark to brightest

24 channels (WW+CW)

Channel 1 – Warm White (Output 1)
0–255 Gradual adjustment Warm White, from dark to brightest

Channel 2 – Cool White (Output 1)
0–255 Gradual adjustment Cool White, from dark to brightest

Channel 3 – Warm White (Output 2)
0–255 Gradual adjustment Warm White, from dark to brightest

Channel 4 – Cool White (Output 2)
0–255 Gradual adjustment Cool White, from dark to brightest

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Channel 23 – Warm White (Output 12)
0–255 Gradual adjustment Warm White, from dark to brightest

Channel 24 – Cool White (Output 12)
0–255 Gradual adjustment Cool White, from dark to brightest

Maintenance

The LED Dim 12 requires almost no maintenance. However, you should keep the device 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.

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) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
04) The electric power supply cables must not show any damages or material fatigue.

Troubleshooting

No Light

If the device does not operate properly, refer servicing to a technician.
Suspect four potential problem areas as: the power supply, the internal fuse, the LED Dim 12, the LEDs.
01) Power supply. Check if the device is plugged into an appropriate power supply.
02) The internal fuse. Return the LED Dim 12 to your Artecta dealer.
03) The LED Dim 12. Return the LED Dim 12 to your Artecta dealer.
04) The LEDs. Refer to the user manual of the LEDs for more information.
05) If all appears to be O.K., plug the device in again.
06) If you are unable to determine the cause of the problem, do not open the LED Dim 12, as this may damage the device and the warranty will become void.
07) Return the device to your Artecta dealer.

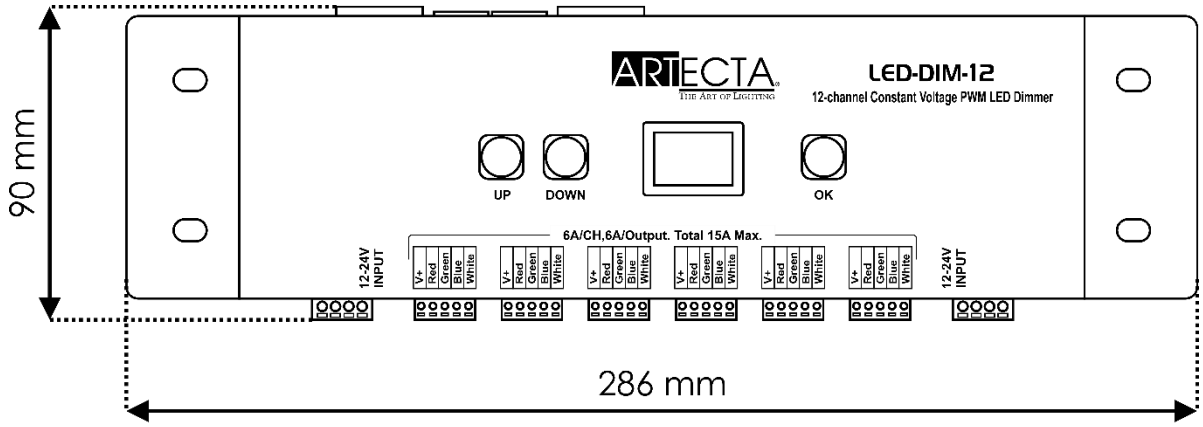
No Response to DMX

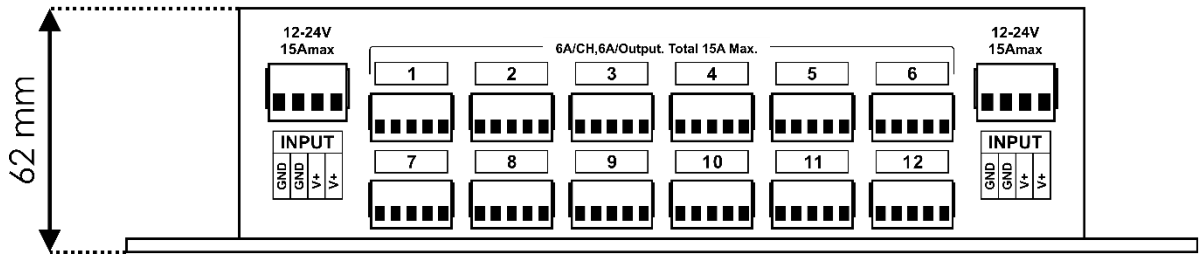
01) Check the DMX setting. Make sure that DMX addresses are correct.
02) Check the DMX cable: Unplug the device; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
03) Determine whether the controller or the LED Dim 12 is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If it does, take the DMX cable and the LED Dim 12 to a qualified technician.

Problem	Probable cause(s)	Remedy
One or more device does not function at all	No power to the device	● Check if power is switched on and cables are plugged in
	Internal fuse blown	● Return the device to your Showtec dealer
Devices reset correctly, but all respond erratically or not at all to the controller	The controller is not connected	● Connect controller
	3-pin XLR Out of the controller does not match XLR In of the first device on the link (i.e. signal is reversed)	● Install a phase reversing cable between the controller and the first device on the link
Devices start correctly, but some respond erratically or not at all to the controller	Poor data quality	● Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective device disturbing the link
	Bad data link connection	● Inspect connections and cables. Correct poor connections. Repair or replace damaged cables
	Data link not terminated with 120 Ohm termination plug	● Insert termination plug in output jack of the last device on the link
	Incorrect addressing of the devices	● Check address setting
	One of the devices is defective and disturbs data transmission on the link	● Bypass one device at a time until normal operation is regained: unplug both connectors and connect them directly together ● Have the defective device serviced by a qualified technician
	3-pin XLR Out on the devices does not match (pins 2 and 3 reversed)	● Install a phase-reversing cable between the devices or swap pin 2 and 3 in the device, that behaves erratically
No light or LEDs cut out intermittently	Device is too hot	● Allow the device to cool down ● Turn up the air conditioning
	LEDs damaged	● Refer to the user manual of the LEDs
	The power supply settings do not match local AC voltage and frequency	● Disconnect device. Check settings and correct if necessary

Product Specifications

Model:	Artecta LED Dim 12
Power supply:	12–24V DC
Load @ 12 V:	max. 6 A/channel (15 A total/180 W)
Load @ 24 V:	max. 6 A/channel (15 A total/360 W)
Housing:	Black powder-coated metal
DMX connections:	3-pin XLR/RJ45 IN/OUT
DMX channels:	3, 6, 18, 36 channels (RGB); 4, 8, 24, 48 channels (RGBW); 1, 2, 6, 12 channels (WHITE); 2, 4, 12, 24 channels (WW+CW)
12–24V DC IN:	4-pin Phoenix terminal (maximum cable gauge: 1,5 mm² / AWG: 12)
PWM OUT:	4-pin Phoenix terminal (maximum cable gauge: 1,5 mm² / AWG: 14)
IP rating:	IP20
Operation temperature:	0 °C to +40 °C
Storage temperature:	-20 °C to +70 °C
Dimensions:	286 x 90 x 62 mm (LxWxH)
Weight:	0,9 kg





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

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Website: https://www.artecta-lights.com/
Email: service@highlite.com