



C4

Quick Start-Up Guide

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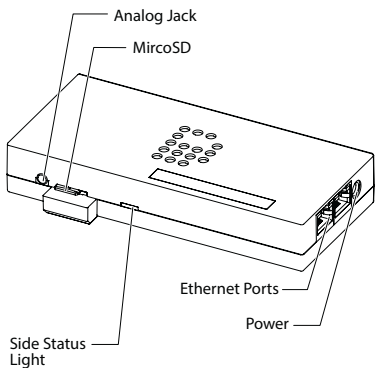
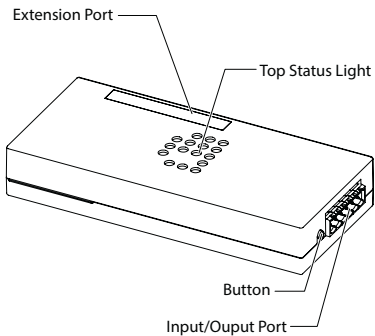
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Introduction

The DiGidot C4 is part of the first generation of LED drivers that can directly control LED lights through Art-Net and DMX. It's unique in its various capabilities. The DiGidot C4 has an enormous controlling capacity - more than 6,000 individual LEDs.

The DiGidot C4 has a built in User Interface. Meaning the device can be configured directly through a computer. Several DiGidot C4s can be connected to each other to expand its capabilities.

Product explanation



Product explanation

Extension Port	The extension port on the DiGidot C4 is used to connect a specially designed extension board that expands the capabilities of the DiGidot C4.
Top Status Light	The top status light indicates whether or not the device is on, if there is signal detected or if there is a problem with it. On Page 6 the different light indications are described in detail.
Button	The button is used for triggering actions* and factory resetting.
Input/Output Port	This connector is used to provide power to the DiGidot C4, connect the LEDs or DMX in/out.
MicroSD	Each DiGidot C4* is provided with a microSD card. The MicroSD card is used to store Art-net programs and presets so that LED software is not required and the DiGidot C4 can operate stand-alone.
Analog Jack	A 3,5 mm TRRS jack gives the opportunity to connect various triggers.
Side Status Light	The side status light indicates the state of the device. Together with the Top Status Light they reproduce the different states. On Page 6 the different indications are described in detail.
Ethernet Port	The Ethernet Ports are used to connect the DiGidot C4 to a computer, through which you can use any type of Art-Net software. The Ethernet Ports can also be used for daisy chaining several C4s.
Power Port	Used to power the DiGidot C4 (5V- 24V).

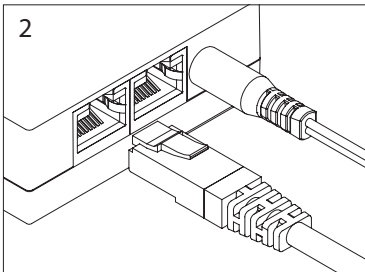
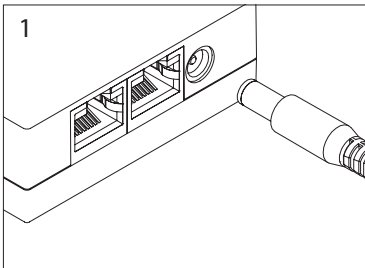
Product Explanation

There are several states of the device. Different states are described using both the Top and the Side Status Light.

Status	Light Indicators
Power On (With License)	Fading Blue light between Top and Side Status Lights.
Power On (Without License)	Top and Side Status Lights blink Yellow simultaneously.
Receiving Art-Net	Fading Green to Blue light between Top and Side Status Lights.
Save Settings (Success)	Both Top and Side Status Lights blink Green for 1 second.
Save Settings (Fail)	Both Top and Side Status Lights blink Red for 1 second.
Play Scene	Fading Pink to Blue light between Top and Side Status Light.
Error State	Both Top and Side Status Lights blinking Red.
Freeze	Constantly alternating between Red and Blue on both Top and Side Status Light
Crash	Constantly alternating between Red and White on both Top and Side Status Light
Factory Reset	While holding the Button, both Top and Status Light will blink 5 times yellow and will turn off when device is ready.
Battery Error	Both Top- and Side Lights blinking from yellow to red for 3 seconds.

Unboxing & Connecting to computer

In every box there is one C4, one ethernet cable (🔌) and one USB to power cable (⚡). Firstly you have to connect the power cable (img. 1) to the power plug on the C4, the other end can be connected to any other USB output device (5V-24V). Secondly you have to connect the ethernet cable (img. 2) to the ethernet port of the DiGidot C4 (it does not make a difference of the port being used) and the computers Ethernet/UTP Port.



Configuring computer for connection

Before you can start working with the User Interface of the DiGidot C4 you should re-configure your computer's LAN settings. Note that changing your Ethernet settings will block your LAN network connection. If you wish to be connected to the Internet and using the DiGidot C4, then it is best to have a computer that has both LAN and Wi-fi connection. By accessing the User Interface of the DiGidot C4 you can change the settings, so it fits with the Art-Net control Software/Device and the type of LED.

For PC

Go to

Control Panel - Network and Sharing Center - Ethernet - Properties - Internet Protocol Version 4 (TCP/IPv4) - Use the following IP address

Then replace the IP settings in the following boxes to:

IP adress: 10.0.0.1

Subnet mask: 255.0.0.0

For Mac

Go to

System Preferences - Network - Ethernet - Configure IPv4 - Manual

Then replace the IP settings in the following boxes to:

IP address: 10.0.0.1

Subent mask: 255.0.0.0

Configuring the DiGidot C4

To start using the DiGidot C4 as intended meaning to start controlling LED lights first the device should be configured. Initial configuration includes naming the DiGidot C4, giving it an IP address and Subnet mask which the Art-Net software/device will recognize. Last step is to configure the number of universes and the type of LEDs that you will use it with.

To configure the device you go to Settings. From there you can change the IP address and subnet mask of the DiGidot C4. The IP must always start with 10, for your computer to recognize it. The Subnet Mask should always stay 255.0.0.0.

Note that those are default settings for working with the DiGidot C4. Alternatively the DiGidot can match your local network settings to work in your network e.g. 192.168.x.x (be sure to update your own network to match the DiGidot C4 Network settings)

Once the device is named and given a recognizable IP address the next step is to configure the amount of universes and the type of LED they will be used with. From the button 'Select an output' you can choose the type of LED source the DiGidot C4 will be used with. Then the number of universes used can be adjusted.

Configuring the type of LED that will be used with the DiGidot C4 will then allow you to connect your LED lights or DMX512 properly to the DiGidot C4. On the next page the meaning of each of the outputs on the DiGidot C4 is displayed and how they vary depending on the type of output that is used.

Connection Possibilities

Depending on the LED type that is being used this how it should be connected to the Input/Output connector. These are only two examples of connecting LEDs to the DiGidot C4. The device can be connected to different types of LED outputs. It is compatible with:

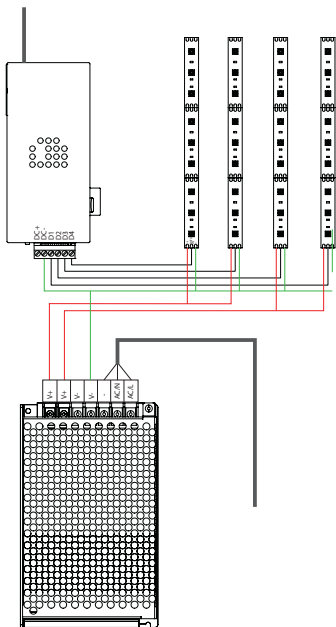
- Any type of Dynamic LED light
- DMX512
- LED Strips
- LED Wall Washers
- LED Downlights

There are various LED light sources that can be connected to the DiGidot C4. They are connected directly to the device through the Input/Output connector. The following table shows how to connect : Single Data LED strip, Clock/Data LED strip and DMX512.

Type of LED Output	Single Data LED Strip	Clock/Data LED Strip	DMX In/Out
DC+	DC+	DC+	DC+
DC-	Data Ground	Data Ground	DMX Ground
D1	Data Output 1	Clock	DMX 1 +
D2	Data Output 2	Data	DMX 1 -
D3	Data Output 3	Clock	DMX 2 +
D4	Data Output 4	Data	DMX 2 -

Connection Possibilities

The DiGidot C4 is not designed to power the LED lights. The DiGidot C4 only sends signal/data to the LED lights. Aside of the DiGidot C4 one should use a power supply. This is an example of how the DiGidot C4 is connected to a LED strip and a Power Supply. For other configurations you can contact us at the e-mail at the last page.



Power Supply

Using with LED software & Various Consoles

Once set up, the DiGidot C4 can be used with any type of Art-Net Software/Device.

The DiGidot is recognized as an Art-Net device. Every DiGidot C4 can have an unique IP address, Subnet mask and name assigned to it for easier recognition. Even if there are several DiGidot C4s in the same network, one can individually configure the settings for each.

Technical Specifications

Dimensions	<ul style="list-style-type: none">• 150 x 70 x 25 mm (L x W x H)• Weight: 100 gr
Electrical Specifications	<ul style="list-style-type: none">• Working Voltage: 5- 24V• Maximum Power Consumption: 5W
Capacity	<ul style="list-style-type: none">• 6000 Individual pixels (at 30 fps)• 2000 RGB pixels
Connectors	<ul style="list-style-type: none">• 2 x RJ45 Connectors• 3.5 mm TRRS Analog Jack• 6-pin Input/Output Connector• 40-pin Extension Port
Signal Inputs	<ul style="list-style-type: none">• Artistic License Art-Net 3• DMX 512• 1-10V Analog Input (can be used for switches/triggers)
Signal Outputs	<ul style="list-style-type: none">• Artistic License Art-Net 3• DMX 512 (2 Outputs)• DMX TTL (4 Outputs)• Various LED IC Types: WS2812, WS2812B, TM1803, UCS8904, WS2811, APA102, WS2801, TM1809 (see the digidot.eu site for a complete list of IC types. A new IC type can be added on request)
Light Outputs	<ul style="list-style-type: none">• LED Strips• LED Wall Washers• LED Downlights• LED Video Screens• Any type of Dynamic LED light
Programming & Control	<ul style="list-style-type: none">• User Interface (accessible through Google Chrome Internet browser)• Any type of Art-Net Software/Device (contact us for a complete list of supported software)

Disposal & Recycling

This product should not be disposed with other household waste. When you decide to dispose of this product and/or its battery, do so in accordance with local environmental regulations.



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