

AURA

DigiCon-1 Desktop MIDI Wing for (Lighting) Software



User Manual

The information in this user manual is subject to change at any time without notice.

Version: 1.0 Date of creation and author's initials: 02-12-2020 RV Revision date and author's initials: -

Introduction

Thank you for purchasing the Ayra DigiCon-1. This console, also known as a playback wing, is a device equipped with various buttons and faders that enable you to more easily control software. In this user manual, you can find all the information needed to use the device.

Before unpacking the contents of the box, we advise that you read this user manual in its entirety so that you are familiar with all of the functionality that this product has to offer. Please be sure to check that all of the parts and accessories listed below under 'box contents' are included in the package. In the event that the product does not function properly, or if you have any issues while operating it, please remove the plug from the power socket and contact your retailer for assistance.

Box contents:

- Ayra DigiCon-1 console
- Power cable, IEC C13 to Schuko, 1.5 mm²
- USB Cable, USB-A to USB-B

Please inspect the device and the included accessories.

Should you discover that either the device or any of the included parts have been damaged or rendered defective while in transit, please contact your retailer directly.

Please note that the product seen in the images included in this user manual serve illustrative purposes only and may differ slightly from the actual product.

The image shows the brand name 'AYRA' in a large, bold, sans-serif font. The letters are light gray and have a slightly rounded, modern appearance. The 'A' and 'R' are particularly prominent due to their size and the unique styling of the 'Y' and 'A'.

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Safety Instructions



WARNING!



Keep this device away from moisture, water and rain to avoid the chance of electric shocks.



WARNING!



Only connect this device to a suitable power socket. This device functions on a specific power voltage. If it is plugged into a power socket with a different voltage, this could result in permanent damage and even dangerous occurrences such as fire or electric shocks.



WARNING!



Be careful when operating this device. Touching the wires that are connected to the mains, inside or outside the device, could result in electric shocks.

Everyone involved with the installation, operation and maintenance of this device must:

- Be qualified
- Be skilled
- Have read the instructions in this user manual
- Be sure that neither the device nor the included accessories are damaged. Should the device or the included accessories be damaged, please contact your dealer for more information.
- Ensure that the device is in good working condition and is safe to operate. Please follow the advice and instructions as they are described in this user manual.

Damage caused by misuse and/or modifications made to the device are not covered by the warranty.

This device does not contain any parts that can be repaired or replaced by the user. Should maintenance or repairs be necessary, they must be handled by a qualified technician.

The light source of this device is not replaceable. If the light source no longer functions, the entire device needs to be replaced.

Important information regarding health and safety:

- Do not remove any labels or stickers from this device.
- Do not leave any cables lying around.
- The device should not be opened up, and any hardware or software that may be present should not be modified.
- To achieve optimal performance, inputs on the device should not be fed with a signal higher than necessary.
- The device should only be used indoors; contact with water, rain and moisture should always be avoided. Do not place any objects containing liquid on top of the device.
- Remove the device from any nearby flames or heat sources; do not place it near flammable fluids, gasses or objects.
- Disconnect this device from a power source if it will not be used for a long periods of time, if maintenance is

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necessary, or if it needs to be cleaned.

- Do not pull on a cable to remove a plug, as this may cause damage.
- Do not use any cables other than the ones described in this manual. Do not use defective cables. Please contact your dealer if the included or necessary cables do not function properly with this device.
- Only use this device with a stable AC power supply.
- Only use this device with power from a grounded power source.
- In the event that the device is exposed to extreme temperature changes (e.g. exposed transferred from a cold outdoor environment to a warm indoor environment), it should not be turned on until it has reached room temperature. This is necessary to prevent condensation from forming in the device, which could lead to electric shocks.

Guidelines and operation of this device:

- This device is intended for use by professionals on stage, in theatres, in clubs, and in similar entertainment locations.
- This device is not suitable for use by children, and should always be operated by an adult.
- This device may only be used in a suitable environment where no damage to the device can occur. Do not use the device in moist or dusty environments such as:
 - indoor swimming pools where chlorine is used
 - beaches where there is sand and salt
 - outdoors
 - indoors in spaces where intense heat sources are present, or where it reaches temperature levels that would be considered uncomfortable for a person.
- Avoid impact and collisions during use and transport. Do not transport the device while it is in use. Avoid using excessive force when installing and operating the device.
- The user should become familiar with the functions of this device before using it.
- The user should be able to stop the device's power supply in case of emergencies. At least one of the following should therefore be accessible at all times:
 - the power cable connector on the back of the unit
 - the power socket the cable is plugged in to
 - the power socket switch or extension cable switch
- Should the device not be used in the manner described in this user manual, damage or even injuries may occur. Ayra cannot be held responsible for any injury or damage that occurs as a result of improper use of this product.

Storage and transport:

- This product is designed for mobile use. Please only transport the device in the original packaging, or in a flight case with a suitable foam inlay.
- This device was not designed for permanent (24/7) use. Regularly turning the device off will not affect the expected lifespan of the device. Disconnect the device or turn off the power when it is not actively in use.
- If the device will not be used for a long period of time, it should be disconnected and stored in a dust-free environment.
- Do not expose the device to extreme temperatures.

Housing

- Frequently inspect the device housing, and always just before use. Avoid operating the device if there are large dents or cracks, or if screws are missing. Do not use the device if the housing is not in good condition. Contact your local retailer or a qualified technician if you are unsure about the state of the device.
- Check the device and the screws for corrosion. Corrosion must not be present on this device. Contact your local retailer or a qualified technician if you find any corrosion on the screws.
- Every power and signal socket should be securely attached. Do not use the device if the sockets are not secure.
- Avoid the build up of dust and dirt. Clean the device once a month by disconnecting it from the power supply and wiping it down with a dry or slightly moist cloth. If the device is used frequently, it should be cleaned more frequently.

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Symbol explanation:

	<p>WEEE: Ensure that this device is disposed of properly. This product falls under the WEEE (Waste Electrical and Electronic Equipment) directive. The requirements of this directive apply to all manufacturers and producers of electronic devices in the EU. Do not throw this product away with regular rubbish. Please contact your local authority for more information about how to recycle and dispose of these products in your region. By recycling this product in the proper manner, we can work together to ensure that we can continue to enjoy these kinds of products and still protect the environment as much as possible from pollution. CE: The CE logo indicates that this product meets the European norms and requirements to which it must legally conform.</p>
	<p>CE: The CE logo indicates that this product meets the European norms and requirements to which it must legally conform.</p>
	<p>Only suitable for indoor use: this product was only designed for indoor use. The maximum environmental temperature must not exceed 40 degrees Celsius (104 degrees Fahrenheit).</p>

AYRA

Contact:

Ayra Professional Lighting Products
Verrijn Stuartweg 18
4462 GE Goes
The Netherlands

*Please do not send any products to this correspondence address.
Should you wish to send in a product for repairs or for a refund, please contact your retailer for an RMA request (Return Merchandise Authorisation).*

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Overview of the Digicon-1



1. USB Port (5 V, 1 A max; e.g. for LED gooseneck light)
2. Bank Button Section (Bank 1-8)
3. Flash / Go Buttons (1-8)
4. Fader Section (1-8)
5. Tap Tempo Function
6. Black-Out Function
7. Master Fader
8. Trigger / Override Buttons (3 rows of 10 buttons + scribble strips)
9. Endless Rotary Encoder Section (4 buttons)
10. Flash Button Section (12 buttons)



11. Power Switch
12. Power Input via IEC C14 Socket
13. USB-B Port

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Using the Digicon-1

The Ayra DigiCon-1 is a versatile controller (or wing), and offers lighting technicians various options for sending standard MIDI signal commands to supported software.

This means that the DigiCon-1 is not a stand-alone lighting controller and as such, should be considered a kind of keyboard that can be used to control specific software functions.

The Digicon-1 operates using MIDI signals only. Developed in the 1980s, MIDI is a communication standard that's used by musical instruments and music production gear. Since the MIDI protocol is relatively straightforward and supported by countless software programmes, it's the perfect method of communication for programmable wings like the DigiCon-1.

The DigiCon-1 offers native support for the following software (developers):

- Nicolaudie – Sunlite Suite 3

- ...

Native support for other relevant software may be added in the future. In the meantime, it's possible to manually 'map' the device to prepare it for use in combination with other MIDI-compatible software that supports custom mappings.

The table below lists the MIDI messages which can be used to manually map the console.

Please note: The DigiCon-1 features bank functionality for the playback section on the left side of the control panel (the buttons and faders fitted to the left of the TAP and Black-Out controls). It's possible to directly activate a different bank via the Bank 1-8 buttons and use the same buttons to control different parameters than the ones assigned in the previous bank.

Whenever a different bank is activated, the buttons continue to send out the same MIDI signals, but these are now sent across different MIDI channels. This means that all buttons and faders of Bank 2 transmit signals over MIDI channel 2; all buttons and faders of Bank 6 transmit signals over MIDI channel 6; etc.

This ensures that the relatively limited yet clear lay-out of the physical controls (16 buttons + 8 faders) technically offers you full control over as many as 128 buttons and 64 faders.

Bear in mind however that this functionality may not be supported by your software or it might need to be unlocked first. Ayra does not provide support for installing or configuring this functionality in combination with third-party software.

The DigiCon-1 does not feature any physical feedback elements such as status LEDs, which keeps its control lay-out clear and ensures easy software integration.

Overview:

- Playback button A: Bank button
- Playback button B: Flash button
- Playback button C: Go button

NAME	MIDI code	BUTTON AND MESSAGE TYPE	MIDI CHANNEL	MIDI INDEX
Playback1 button A	1D	BTN NOTE	1	OFF = 00, ON = 7F
Playback1 button B	1E	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback1 button C	1F	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback2 button A	20	BTN NOTE	2	OFF = 00, ON = 7F
Playback2 button B	21	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback2 button C	22	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback3 button A	23	BTN NOTE	3	OFF = 00, ON = 7F
Playback3 button B	24	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback3 button C	25	BTN NOTE	1-8	OFF = 00, ON = 7F

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Version: 1.0 **Date of creation and author's initials: 02-12-2020 RV** **Revision date and author's initials: -**

NAME	MIDI code	BUTTON AND MESSAGE TYPE	MIDI CHANNEL	MIDI INDEX
Playback4 button A	26	BTN NOTE	4	OFF = 00, ON = 7F
Playback4 button B	27	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback4 button C	28	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback5 button A	29	BTN NOTE	5	OFF = 00, ON = 7F
Playback5 button B	2A	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback5 button C	2B	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback6 button A	2C	BTN NOTE	6	OFF = 00, ON = 7F
Playback6 button B	2D	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback6 button C	2E	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback7 button A	2F	BTN NOTE	7	OFF = 00, ON = 7F
Playback7 button B	30	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback7 button C	31	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback8 button A	32	BTN NOTE	8	OFF = 00, ON = 7F
Playback8 button B	33	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback8 button C	34	BTN NOTE	1-8	OFF = 00, ON = 7F
Playback Fader 1	01	VR CC	1-8	00-7F
Playback Fader 2	02	VR CC	1-8	00-7F
Playback Fader 3	03	VR CC	1-8	00-7F
Playback Fader 4	04	VR CC	1-8	00-7F
Playback Fader 5	05	VR CC	1-8	00-7F
Playback Fader 6	06	VR CC	1-8	00-7F
Playback Fader 7	07	VR CC	1-8	00-7F
Playback Fader 8	08	VR CC	1-8	00-7F

TAP	57	BTN NOTE	1	OFF = 00, ON = 7F
Blackout	58	BTN NOTE	1	OFF = 00, ON = 7F
Master	09	VR CC	1	00-7F

button 1	35	BTN NOTE	1	OFF = 00, ON = 7F
button 2	36	BTN NOTE	1	OFF = 00, ON = 7F
button 3	37	BTN NOTE	1	OFF = 00, ON = 7F
button 4	38	BTN NOTE	1	OFF = 00, ON = 7F
button 5	39	BTN NOTE	1	OFF = 00, ON = 7F
button 6	3A	BTN NOTE	1	OFF = 00, ON = 7F
button 7	3B	BTN NOTE	1	OFF = 00, ON = 7F
button 8	3C	BTN NOTE	1	OFF = 00, ON = 7F
button 9	3D	BTN NOTE	1	OFF = 00, ON = 7F
button 10	3E	BTN NOTE	1	OFF = 00, ON = 7F
button 11	3F	BTN NOTE	1	OFF = 00, ON = 7F
button 12	40	BTN NOTE	1	OFF = 00, ON = 7F
button 13	41	BTN NOTE	1	OFF = 00, ON = 7F
button 14	42	BTN NOTE	1	OFF = 00, ON = 7F
button 15	43	BTN NOTE	1	OFF = 00, ON = 7F
button 16	44	BTN NOTE	1	OFF = 00, ON = 7F
button 17	45	BTN NOTE	1	OFF = 00, ON = 7F
button 18	46	BTN NOTE	1	OFF = 00, ON = 7F
button 19	47	BTN NOTE	1	OFF = 00, ON = 7F
button 20	48	BTN NOTE	1	OFF = 00, ON = 7F
button 21	49	BTN NOTE	1	OFF = 00, ON = 7F

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NAME	MIDI code	BUTTON AND MESSAGE TYPE	MIDI CHANNEL	MIDI INDEX
button 22	4A	BTN NOTE	1	OFF = 00, ON = 7F
button 23	4B	BTN NOTE	1	OFF = 00, ON = 7F
button 24	4C	BTN NOTE	1	OFF = 00, ON = 7F
button 25	4D	BTN NOTE	1	OFF = 00, ON = 7F
button 26	4E	BTN NOTE	1	OFF = 00, ON = 7F
button 27	4F	BTN NOTE	1	OFF = 00, ON = 7F
button 28	50	BTN NOTE	1	OFF = 00, ON = 7F
button 29	51	BTN NOTE	1	OFF = 00, ON = 7F
button 30	52	BTN NOTE	1	OFF = 00, ON = 7F
Wheel 1 Left	0E	BTN NOTE	1	7F
Wheel 1 Right	0D	BTN NOTE	1	7F
Wheel 1 press in	0F	BTN NOTE	1	OFF = 00, ON = 7F
Wheel 2 Left	11	BTN NOTE	1	7F
Wheel 2 Riht	10	BTN NOTE	1	7F
Wheel 2 press in	12	BTN NOTE	1	OFF = 00, ON = 7F
Wheel 3 Left	14	BTN NOTE	1	7F
Wheel 3 Right	13	BTN NOTE	1	7F
Wheel 3 press in	15	BTN NOTE	1	OFF = 00, ON = 7F
Wheel 4 Left	17	BTN NOTE	1	7F
wheel 4 Right	16	BTN NOTE	1	7F
wheel 4 press in	18	BTN NOTE	1	OFF = 00, ON = 7F
pad 1	1	BTN NOTE	1	OFF = 00, ON = 7F
pad 2	2	BTN NOTE	1	OFF = 00, ON = 7F
pad 3	3	BTN NOTE	1	OFF = 00, ON = 7F
pad 4	4	BTN NOTE	1	OFF = 00, ON = 7F
pad 5	5	BTN NOTE	1	OFF = 00, ON = 7F
pad 6	6	BTN NOTE	1	OFF = 00, ON = 7F
pad 7	7	BTN NOTE	1	OFF = 00, ON = 7F
pad 8	8	BTN NOTE	1	OFF = 00, ON = 7F
pad 9	9	BTN NOTE	1	OFF = 00, ON = 7F
pad 10	0A	BTN NOTE	1	OFF = 00, ON = 7F
pad 11	0B	BTN NOTE	1	OFF = 00, ON = 7F
pad 12	0C	BTN NOTE	1	OFF = 00, ON = 7F

Since the DigiCon-1 is equipped with its own power transformer, it doesn't require USB power. This counters the use of weaker USB outputs that would only have a negative effect on its performance. The USB port of the DigiCon-1 should only be used to power a small USB lamp or any other small gadget.

Most of the buttons fitted to the DigiCon-1 feature mechanical switches, including the Flash Section buttons. This way, there's physical feedback that lets you know that the buttons have been properly activated.

The endless rotary encoders (the four knobs) can be infinitely rotated and send out +1 or -1 messages. The encoders also have an assignable push-button (on/off) function for controlling and fine tuning parameters like pan/tilt.

Use with Other Software

Due to its universal design, the DigiCon-1 can be used to perform specific, as well as more general tasks; the possibilities are endless.

For certain software, it's essential that the buttons of the Digicon-1 are 'mapped' before use. This is to let the software know which signal coming from the controller needs to be converted into which specific action.

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Ayra does not offer MIDI mapping support for specific (third-party) software.

Changing MIDI Messages

Since the DigiCon-1 uses fixed MIDI messages via fixed channels/outputs, its MIDI messages cannot be altered. This also means that it's not possible to adjust the min/max values of any of the parameters. However, it may be that your software includes options that offer more possibilities.

Rack Mounts

The DigiCon-1 can be used as a desktop device or mounted in a rack or flight case. Removable rack mounts have been pre-installed. If you'd prefer to remove the rack mounts, it's recommended that you re-secure the screws to make sure they can't be lost.

Installation Requirements

In terms of rack installation, the DigiCon-1 takes up six units (6U) and requires 68 mm of installation depth.

Please be advised that extra space should be reserved behind the DigiCon-1 in case you need to install other equipment nearby. In most cases, it's not possible to mount equipment with a deep housing directly behind the DigiCon-1. This also applies when the DigiCon-1 is mounted at the top of your rack or case. As a rule of thumb, it's advisable to leave an empty space of 1U above the DigiCon-1, which could then be covered with a blind panel or ventilation panel.

Mounting other rack gear near the front of the DigiCon-1 is less restrictive since there will be no inputs, outputs and any connecting cables in the way.

These installation guidelines also apply when mounting the unit into a prepared desktop rack-mount or a custom cut-out in a work surface.

Fuse

The console features a built-in fuse that cannot be replaced by the end-user since replacing the fuse requires opening the housing. Given the specifications of the device and the very low energy consumption, if you suspect that the fuse has blown, the device must first be properly inspected by a specialist.

USB Port

The DigiCon-1 is outfitted with a USB port that can be used to power a small LED lamp for enhanced visibility in dark surroundings. The output capacity of the USB output is 5 V / 1 A, which is enough for powering small lamps or other gadgets.

It's not advisable to use the USB port for charging smartphones, power-banks or any similar devices due to the limited power output capacity of the port. Always use the original charger that came with the device you want to charge or use the USB port of a different device provided it has enough output capacity.

Troubleshooting

If you experience any problems with your DigiCon-1, please consult this troubleshooting section for possible solutions. If, after consulting this section, the problem remains unresolved, please contact your retailer for more information and/or help.

This troubleshooting section contains information to help solve the most common problems related to this type of MIDI device, but it does not and cannot cover every eventuality. It is possible that you won't find your problem, cause and solution in this section due to differences between products.

Problem	Possible Cause	Possible Solution
The device doesn't seem to be sending any signals to my computer	Disconnected power cable	Check if the power cable is connected to both the device and a mains socket that meets device specifications. In case of a faulty power cable, contact your retailer for a replacement power cable.
	No USB cable connected	Check if the USB signal cable is connected to both the device and your computer/laptop. In case of a faulty USB cable, contact your retailer for a replacement USB cable.
	The device is turned off	Check that the device is switched on. The power switch can be found on the back of the device; please keep this in mind when mounting the unit in a rack or flight case.
	The computer doesn't recognise the device	Try to use your system's Device Manager to solve the problem. Most Windows and Mac computers automatically recognise the DigiCon-1 as a generic MIDI device.
	Power socket/distributor doesn't output current	Check if the power socket/strip is switched on. Some power distributors feature a power switch that could be turned off.
	The device has developed a fault	If the device is switched on and has established a USB connection with your computer, but still doesn't send any MIDI signals, it's possible that the device has developed a fault. Switch the device off, disconnect the power and signal cables and contact your retailer for further help.
The device isn't triggering software functions	No link between MIDI message and software function (action)	For use in combination with certain software, it's essential that the controls of the controller are 'mapped' before use. This way, the software is taught how to turn signals received from the DigiCon-1 into specific actions.

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Technical Specifications

Basic specifications:

- Versatile MIDI controller, designed for use with lighting software
- native support for Visual Productions Cuelux and Nicolaudie Sunlite Suite 3
- metal housing
- high-quality buttons, faders and pads
- clear lay-out for ultimate hands-on control
- powered via built-in power transformer (non-USB-powered)
- USB port for optional gooseneck light or other gadget
- equipped with 19" rack mounts (6U)

Controls:

- Playback section with 8 switchable banks (MIDI channels 1-8)
- Flash/ Go trigger button section with 2x 8 buttons
- 8 Faders + master fader
- Dedicated tap tempo + blackout controls
- Override/ trigger button section (3x 10 buttons)
- Override / trigger button section including scribble strip
- 4 Endless rotary encoders with push functionality
- 12 Flash pads (2x 6) for quick triggering of strobe and blinder effects

Technical specifications:

- recorded power consumption: 7.6 W
- power supply: 100-240 V, 50/60 Hz
- fuse (built-in, not user-replaceable): T2A, 250V
- USB port: 5 V DC, 1 A
- dimensions: 482 x 267 x 68 mm (installation requirements including rack mounts)
- weight: 3.295 kg

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