



**AKWARIOM**

SOLUTIONS SUR MESURE POUR LE SPECTACLE VIVANT  
ET L'ÉVÈNEMENTIEL DEPUIS 2008

FABRIQUÉ EN FRANCE  
FABRIQUÉ POUR DURER

# **KONTROL 3 | UNIVERSAL REMOTE FOR YOUR LIGHT DESK**

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# KONTROL 3 | PRESENTATION



The **KONTROL 3** initial design goal is to allow a faders extension for **Grand MA 2 et 3 Ma Lighting** desks, but it can be used with any software accepting Midi, Dmx or ArtNet commands (lighting, video, DAW, etc..).

It has:

- 15 faders, each with 3 buttons
- 15 extra buttons
- 1 USB MIDI output
- 1 standard MIDI output
- 1 DMX 512 on XLR5 output
- 1 Artnet output

This interface can be USB powered, or through the Powercon connector.

Designed for an intensive use, it is built with high quality faders and buttons, a universal power supply (85 to 265Vac, 47 to 63Hz) with a Powercon True One « Neutrik » socket, a solid steel box and professional range connectors.

The MIDI-USB interface does not need any driver on win 10, win 8 and Mac OSX.

The Layout of the faders and buttons of the Kontrol3 is willingly similar to the Grand-MA 2, but is fully configurable. Every Button and fader has its own channel or number and can thus be assigned to anything.

For example, one can assign a cue to the fader 1, another one to the « flash » button of the fader 1 and something completely different to the button above fader 1.

# KONTROL 3 | UTILISATION & CONFIGURATION

## CONNECTORS

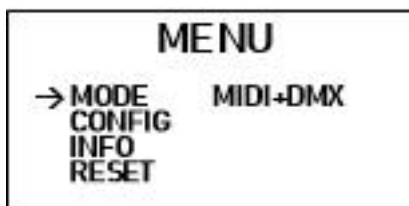
Every connector is on the **rear panel** of the **Kontrol 3**, except a USB-A connector on top of the interface allowing to connect a USB littlite.

## REAR PANEL



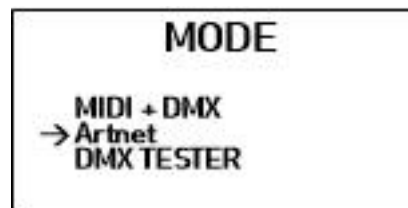
## USAGE

To Enter config mode, press “MODE” Button for 3 seconds (indirect access to avoid accidental manipulation during a live show).



In config mode, the four buttons under the LCD screen allow to navigate within the menus.

## RUNNING MODE



The Kontrol3 offers three different running modes that you can select with the « MODE » Menu.

### ► MIDI + DMX

In this mode, the Kontrol3 simultaneously outputs DMX-512 (through the XLR5 ) and MIDI (through both the DIN and USB sockets) signals.

## ► Artnet

In this Mode, the Kontrol 3 communicates using the ArtNet protocol through the RJ45 socket. See below for IP and ArtNet configuration.

## ► DMX TESTER

In this mode, the Kontrol3 outputs a DMX512 signal through the XLR5, as would a classic lighting desk do.

In this mode, only the faders and the buttons directly below the faders are active. The buttons are « flash » for the corresponding fader.

The buttons UP and DOWN at the top right of the interface allow selecting pages of 15 DMX channels, from page 1 sending channels 1 to 15 to page 35 sending the last channels.

The LCD screen shows the page number and sent channel ranges.

## CONFIG

To configure the Kontrol3, 4 menus are available :



## ► MIDI

In this menu you can configure the MIDI signal.

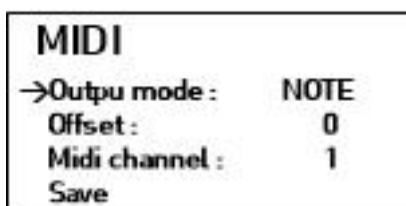
### ● Output Mode

● **CC** – control change. In this mode, the faders send their value as a « MIDI control change », the buttons as « MIDI notes ON and OFF »

● **NOTE** – signal note, In this mode, the faders send their value as a « MIDI Note » (velocity is used for the fader value), the buttons as « MIDI notes ON and OFF » This mode is necessary to control MA Lighting equipments through MIDI

● **Offset** - Select the MIDI start Channel

● **Midi Channel** - Select the MIDI channel used.



## ► DMX

Select an address offset for the DMX signal.



## ► ARTNET

3 parameters are adjustable.

- **Start Address**

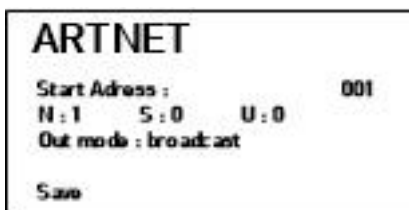
the first DMX channel used.

- **Net, Subnet, Univers**

The desired ArtNet config.

- **Output mode**

Selection between Broadcast (ArtNet is sent to every connected device) and Unicast (ArtNet is sent to a specific device). In Unicast Mode, you must enter the IP Address of the destination peripheral.



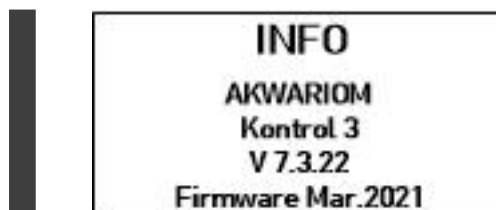
## ► IP

Configuration of the IP and SubNet mask of your Kontrol3.



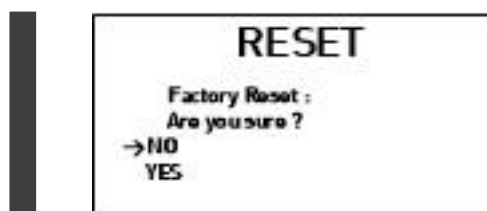
## INFO

Firmware version information.



## RESET

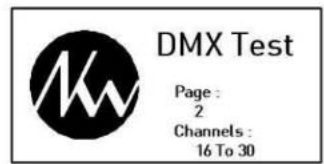
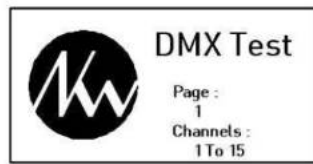
Reset the Kontrol 3 to the state it was in when we shipped it to you.



# KONTROL 3 | VUE GÉNÉRALE DES MENUS



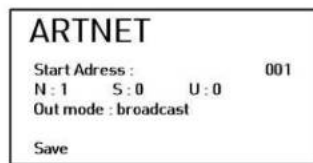
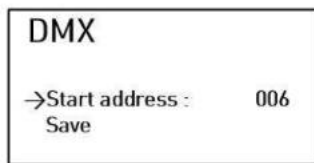
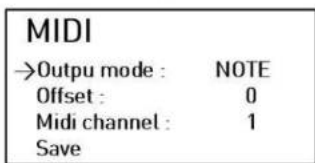
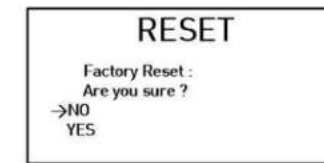
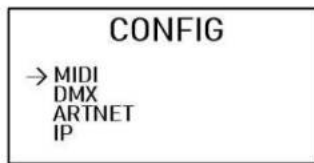
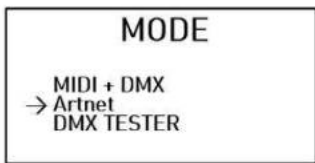
Page de démarrage, 3 secondes



Pages récap, utilisation normale



Menus et configuration



# KONTROL 3 | AFFECTATION DES NOTES MIDI & CANAUX DMX

**DMX Channels** and **MIDI notes/controllers** corresponding to buttons and faders have a **fixed organization**.

An offset can be applied, but their order follows the logic below :  
Default mapping, using a 0 offset.





# KONTROL 3 | CARACTÉRISTIQUES TECHNIQUES

**DIMENSIONS** 34 / 31,5 / 6,5 cm

**WEIGHT (WITHOUT CABLES)** 3,8Kg

**INCLUDED CABLES**

- Power cable
- MIDI DIN Cable
- USB A-B Cable

**SUPPORTED POWER SUPPLY** 85 à 265VAC, 47 à 63Hz, Max 4VA

On the sides of your Kontrol3 , two rotating metal pieces allow for a more comfortable placement.

► **CABLE PINOUT**

• **DMX (standard DMX 512 A)**

Pin 1 : Masse  
Pin 2 : Data -  
Pin 3 : Data +  
Pin 4 : Disconnected  
Pin 5 : Disconnected

• **MIDI**

Pin 1 : Ground  
Pin 2 : non connecté  
Pin 3 : non connecté  
Pin 4 : Data +  
Pin 5 : Data -

• **Artnet**

Standard Ethernet 10BT

• **SECTEUR**

Neutrik Powercon True One



# KONTROL 3 | CONFIGURATION SUR GRANDMA 2

## CONFIGURATION EXAMPLES ON GRANDMA 2

### ► EXAMPLE 1

Select « Add multiple », and add several lines.

In this example, the Kontrol3 is configured to control the « Active » page of the desk.

AnalogRemotes			MidiRemotes				DMXRemotes			
Showing 'MidiRemotes'										
Name	Note	Channe	Type	Page	Executd	Button	Keycode	Cmd	Info	
RemoteMidi	1	1	Exec	Current	1	Fader	None			
RemoteMidi	2	1	Exec	Current	2	Fader	None			
RemoteMidi	3	1	Exec	Current	3	Fader	None			
RemoteMidi	4	1	Exec	Current	4	Fader	None			
RemoteMidi	5	1	Exec	Current	5	Fader	None			
RemoteMidi	6	1	Exec	Current	6	Fader	None			
RemoteMidi	7	1	Exec	Current	7	Fader	None			
RemoteMidi	8	1	Exec	Current	8	Fader	None			

AnalogRemotes			MidiRemotes				DMXRemotes			
Showing 'MidiRemotes'										
Name	Note	Channe	Type	Page	Executd	Button	Keycode	Cmd	Info	
RemoteMidi	16	1	Exec	Current	1	Button 3	None			
RemoteMidi	17	1	Exec	Current	2	Button 3	None			
RemoteMidi	18	1	Exec	Current	3	Button 3	None			
RemoteMidi	19	1	Exec	Current	4	Button 3	None			
RemoteMidi	20	1	Exec	Current	5	Button 3	None			
RemoteMidi	21	1	Exec	Current	6	Button 3	None			
RemoteMidi	22	1	Exec	Current	7	Button 3	None			
RemoteMidi	23	1	Exec	Current	8	Button 3	None			

### ► EXAMPLE 2

In this example, the top buttons are used as direct desk shortcuts.

AnalogRemotes			MidiRemotes				DMXRemotes			
Showing 'MidiRemotes'										
Name	Note	Channe	Type	Page	Executd	Button	Keycode	Cmd	Info	
RemoteMidi	16	1	Hardkey	Current	1	Button 3	STORE			
RemoteMidi	17	1	Hardkey	Current	2	Button 3	ASSIGN			
RemoteMidi	18	1	Hardkey	Current	3	Button 3	ALIGN			
RemoteMidi	19	1	Hardkey	Current	4	Button 3	DELETE			
RemoteMidi	20	1	Hardkey	Current	5	Button 3	FULL			
RemoteMidi	21	1	Hardkey	Current	6	Button 3	HIGH			
RemoteMidi	22	1	Hardkey	Current	7	Button 3	PREV			
RemoteMidi	23	1	Hardkey	Current	8	Button 3	NEXT			

## WARRANTY

All our products are guaranteed for one year from date of purchase.  
This warranty covers all design issues.



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