



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

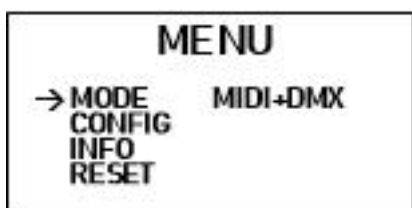
Every connector is on the **rear panel** of the **Kontrol 3**, except a USB-A connector on top of the interface allowing to connect a USB littlite.

REAR PANEL



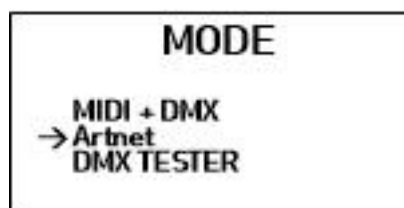
USAGE

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.

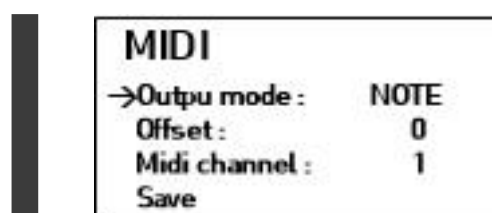
• Output Mode

• **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.



KONTROL 3 | UTILISATION & CONFIGURATION

► 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.



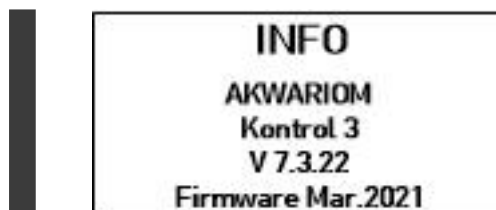
► IP

Configuration of the IP and SubNet mask of your Kontrol3.



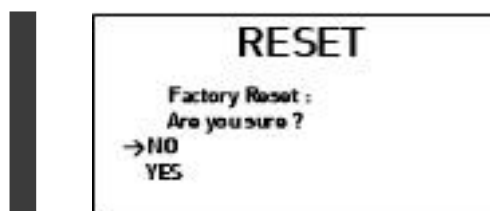
INFO

Firmware version information.



RESET

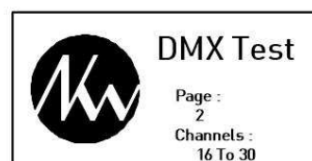
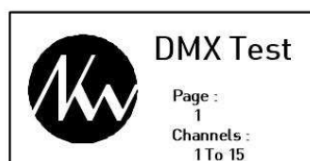
Reset the Kontrol 3 to the state it was in when we shipped it to you.



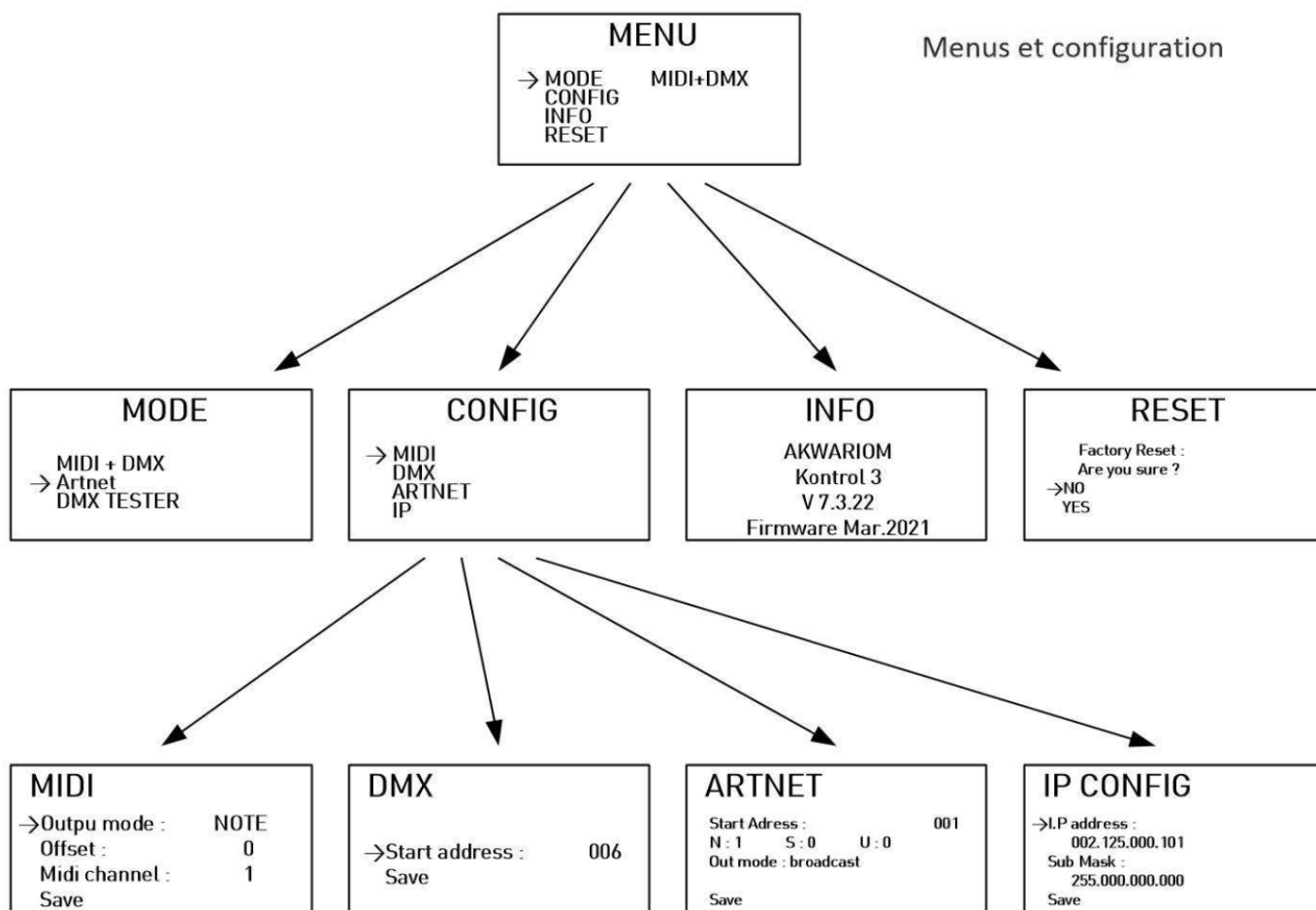
KONTROL 3 | VUE GÉNÉRALE DES MENUS



Page de démarrage, 3 secondes



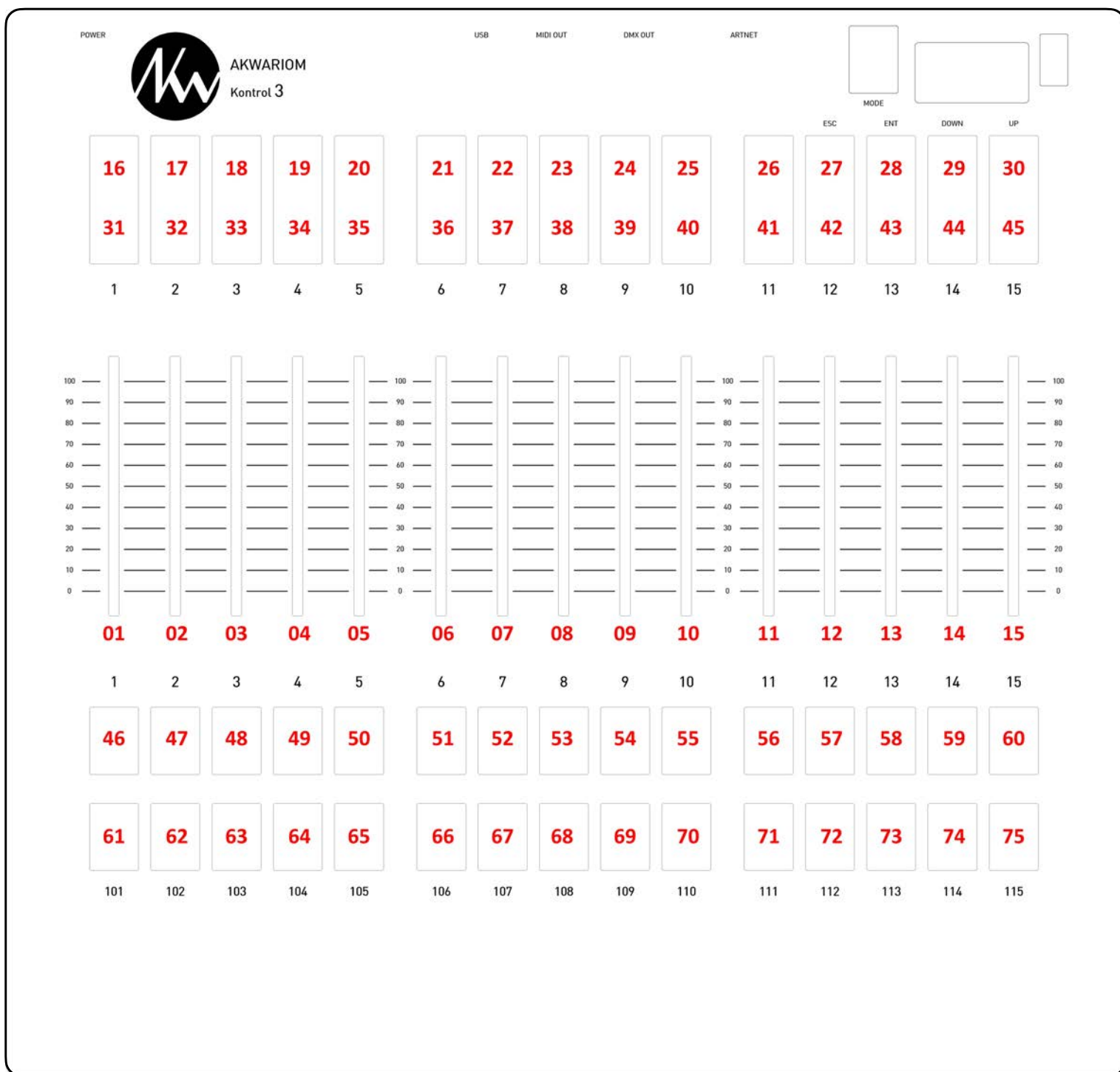
Pages récap, utilisation normale



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'

i

Name	Note	Channel	Type	Page	Executo	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'

i

Name	Note	Channe	Type	Page	Executo	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'										i
Name	Note	Channe	Type	Page	Executo	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 two years from date of purchase.
This warranty covers all design issues.



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