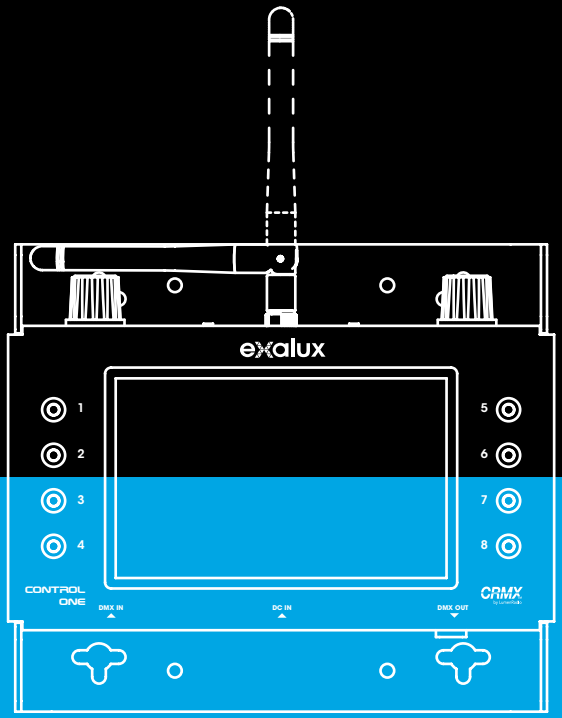
exalux CONTROLONE

USER MANUAL

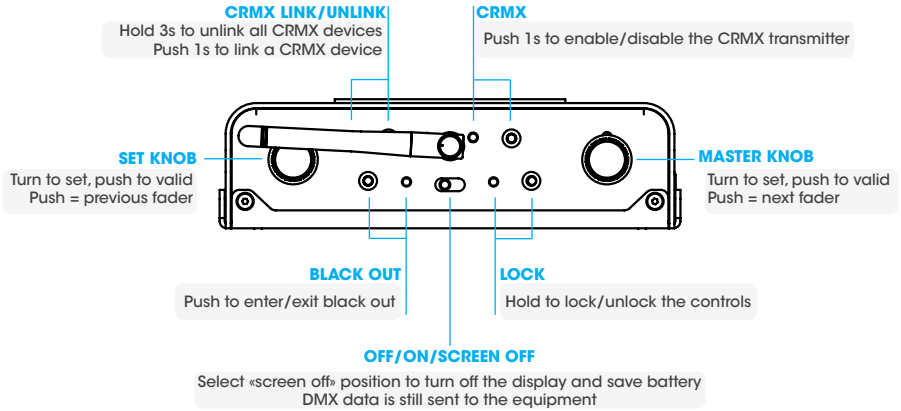


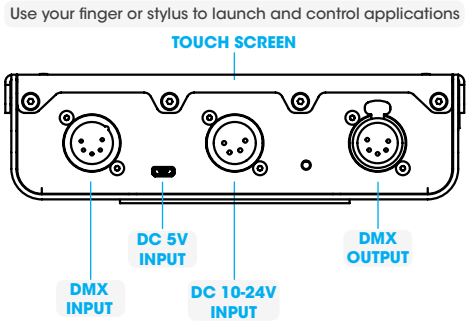
exalux CONTROL ONE

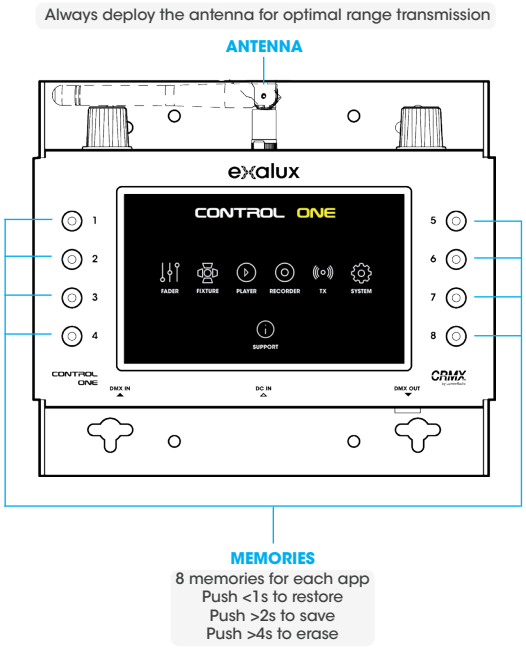
Getting started...

EXALUX™ CONTROL ONE is an all-in-one wireless DMX controller especially designed to control lights with sense and simplicity.

CONTROL ONE works perfectly with all CRMX by LumenRadio™ receivers such as EXALUX RX100, RX100S, RX200N receivers.



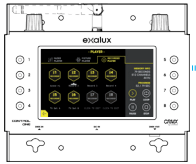




HOME

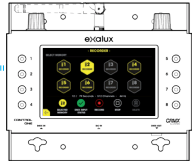
PLAYER

PLAYER APP allows you to play the DMX memories that have been recorded with the FADER, RECORDER and FIXTURE apps.



Choose app using the touch screen or the knobs

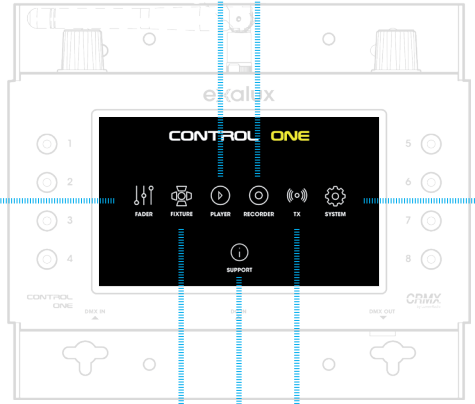
RECORDER



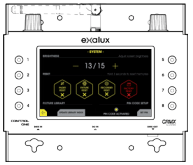
RECORDER APP allows to record 512 DMX channels in real time.
8 memories | 80s recording @44Hz max

FADER

FADER APP works the exact same way than your hardware DMX controller you used for years. Every fader is linked to a DMX address.



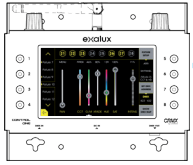
SYSTEM



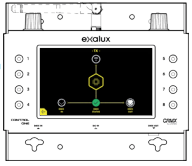
SYSTEM APP allows you to reset the memories, adjust the display brightness and set a pin code.

FIXTURE

FIXTURE APP allows you to control up to 40 different DMX fixtures in a simple and intuitive way, thanks to its updatable DMX fixture library.



TX

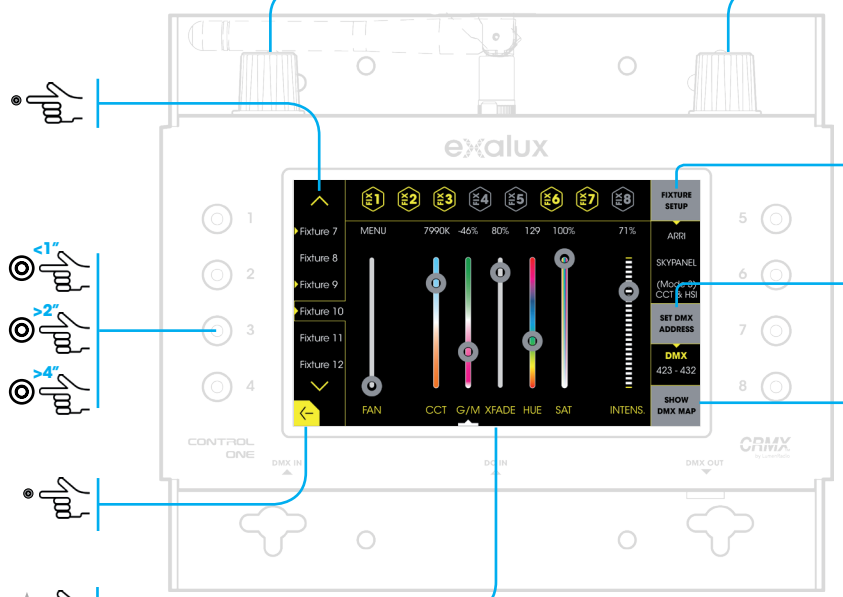


TX APP turns the CONTROL ONE into a CRMX transmitter.
The DMX received on the DMX input is wirelessly transmitted by the integrated CRMX transmitter.

Open the SUPPORT page for general information and firmware version.

FIXTURE

FIXTURE APP allows you to control up to 40 different DMX fixtures in a simple and intuitive way. Activate the fixture and select its DMX profile from the library.



FIXTURE SELECTION
Up to 40

RESTORE MEMORY <1"

SAVE MEMORY >2"

ERASE MEMORY >4"

BACK TO HOME

FIXTURE SETTINGS

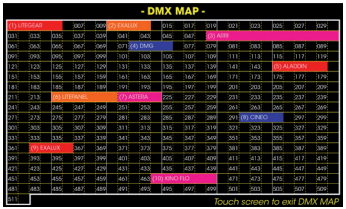
ADJUST CHANNEL LEVEL

CHANNEL SELECTION

CHOOSE THE FIXTURE TO CONTROL

SET THE DMX ADDRESS OF THE FIXTURE

DISPLAY DMX MAP
Overview of all the DMX channels used by the fixtures.



FIXTURE

FIXTURE SETUP

Selection of the fixture to control

ENABLE / DISABLE THE FIXTURE

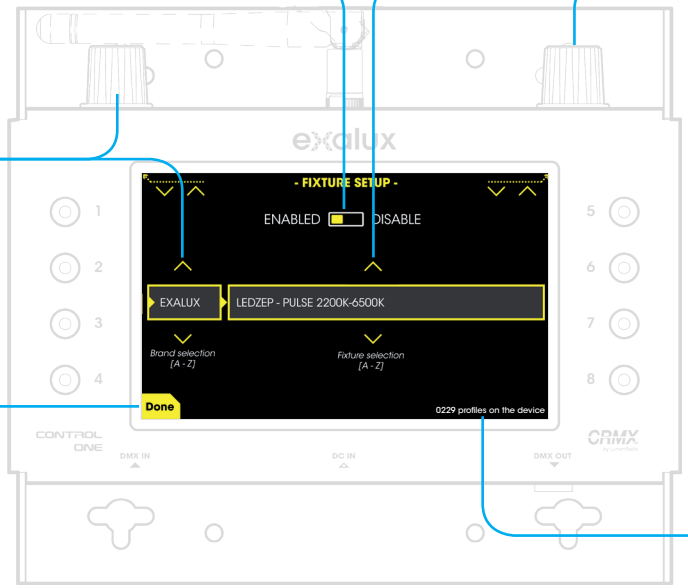
SELECT BRAND

Select the fixture brand (alphabetical order)

VALIDATION

> BACK TO FIXTURE APP

The DMX address of the fixture is automatically affected to the first available slot. Check DMX MAP for the general DMX mapping.



SELECT FIXTURE + MODE

Select the fixture and its DMX mode, from the selected brand (alphabetical order).

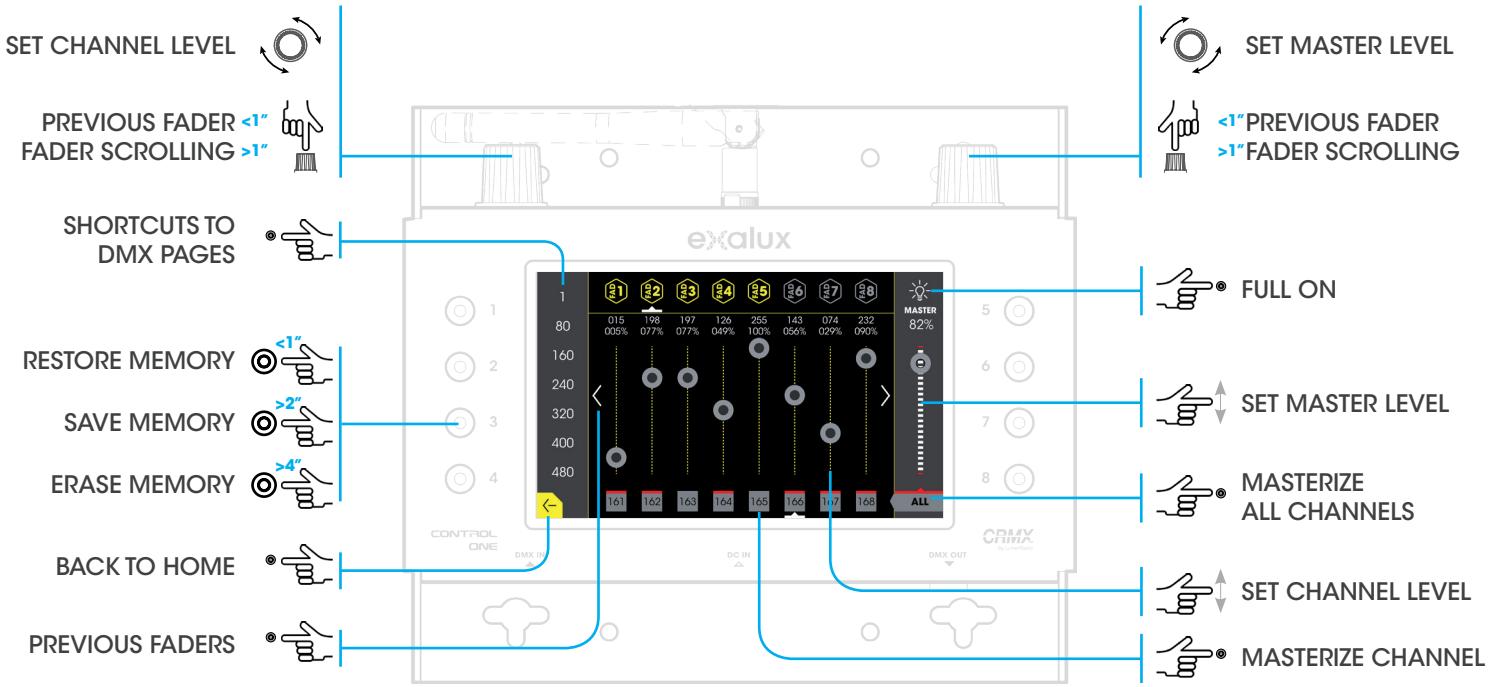
The library contains the DMX profiles of the most used brands and fixtures.
In case the fixture you want to control is not listed, use the *GENERIC* profiles.

DMX PROFILES LIBRARY

The number of DMX profiles defines the library version.
DMX profiles library can be updated with USB.
Exalux periodically updates the library. Always check for the latest version on EXALUX's website.

FADER

FADER APP works the exact same way than your hardware DMX console you used for years. Every fader is linked to a DMX address.



RECORDER

RECORDER APP allows to record all DMX frames received on the DMX input.
Record sequences up to 80 seconds at 44 Hz on each of the 8 memories.

SELECT A MEMORY TO RECORD DMX IN

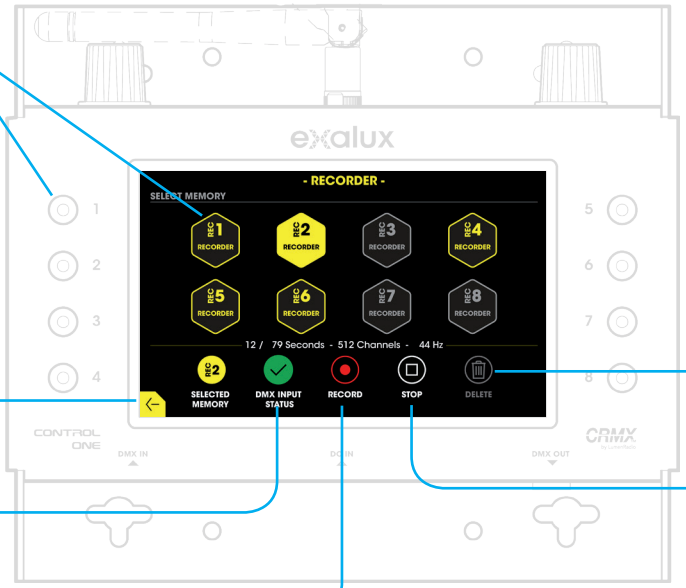
EMPTY MEMORY
> Ready to use

FILLED MEMORY

BACK TO HOME

DMX INPUT STATUS
GREEN: DMX OK
RED: NO DMX

START RECORDING



Recording stops automatically when memory is full (80 seconds @ 44Hz)

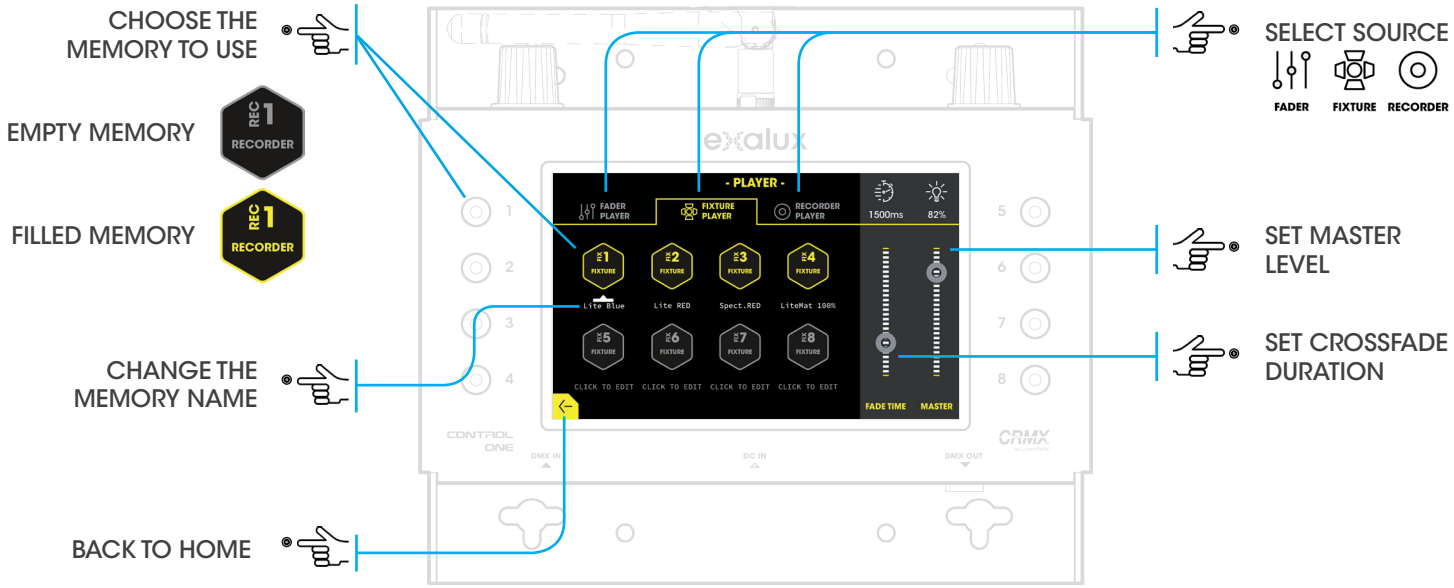
The recorded sequences can only be played back in the PLAYER app.

ERASE THE CONTENT OF THE SELECTED MEMORY

STOP RECORDING

PLAYER

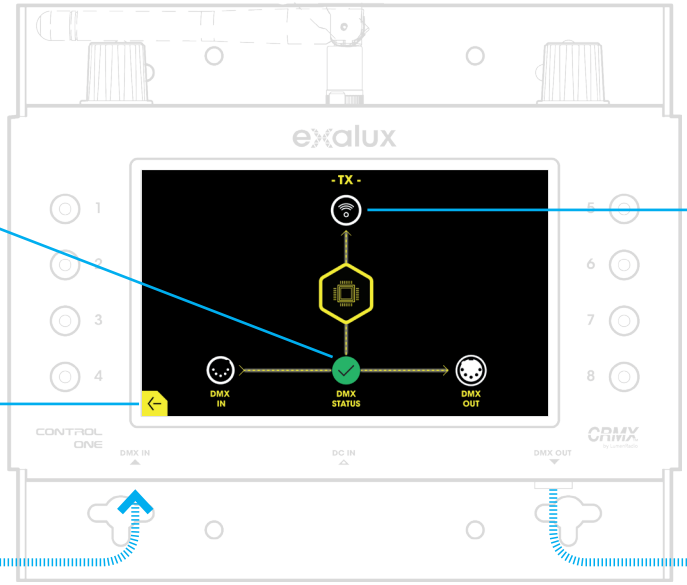
PLAYER APP allows you to play the DMX memories that have been recorded with the FADER, RECORDER and FIXTURE apps.



TX

TX APP turns the CONTROL ONE into a CRMX transmitter. The DMX received on the DMX input is wirelessly transmitted by the integrated CRMX transmitter.

The CRMX transmitter is automatically switched on when the TX app is running.



DMX INPUT STATUS
GREEN: DMX OK
RED: NO DMX

WIRELESS OUTPUT STATUS

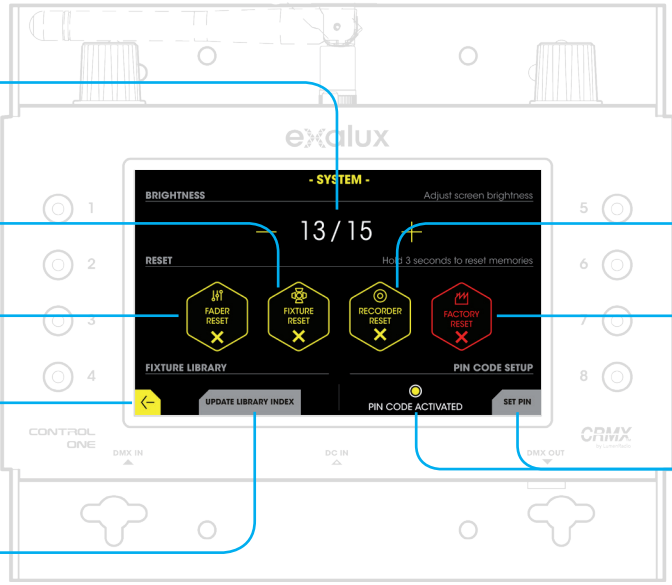
BACK TO HOME

CONNECT EXTERNAL DMX CONSOLE

DMX OUTPUT (THROUGH)

SYSTEM

SYSTEM APP allows you to reset the memories, adjust the display brightness and set a pin code.



SCREEN BRIGHTNESS ADJUSTMENT

RESET MEMORIES OF FIXTURE APP (3")

RESET MEMORIES OF FADER APP (3")

BACK TO HOME

UPDATE FIXTURE LIBRARY INDEX (ADVANCED)

RESET MEMORIES OF RECORDER APP (3")

RESET CONTROL ONE (3")

PIN CODE SETUP

When activated, the PIN code is requested to allow the user to exit the PLAYER app.
Default PIN : 0000

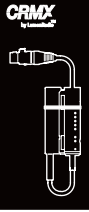
exalux CONTROLONE

ECO-SYSTEM

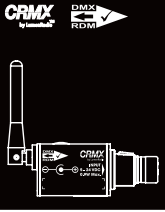
CONNECTONE

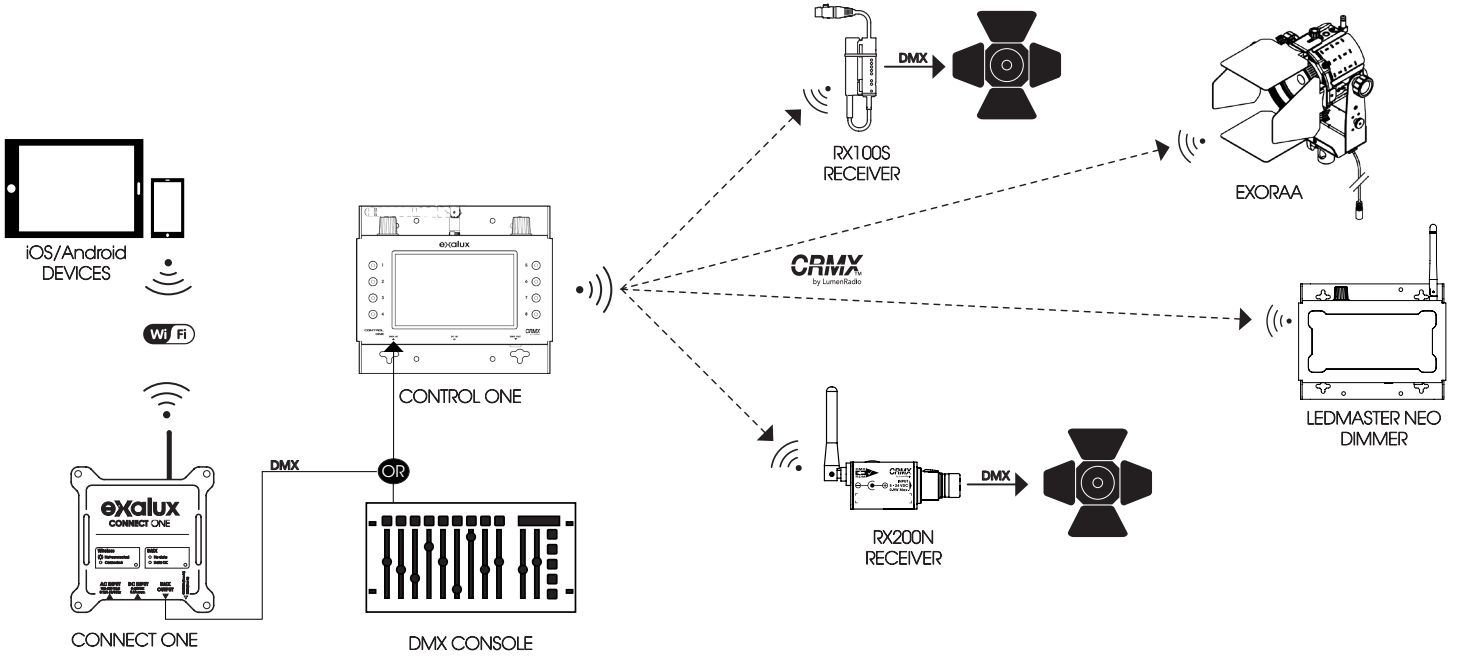
CONNECTRX100

CONNECTRX100S



CONNECTRX200N



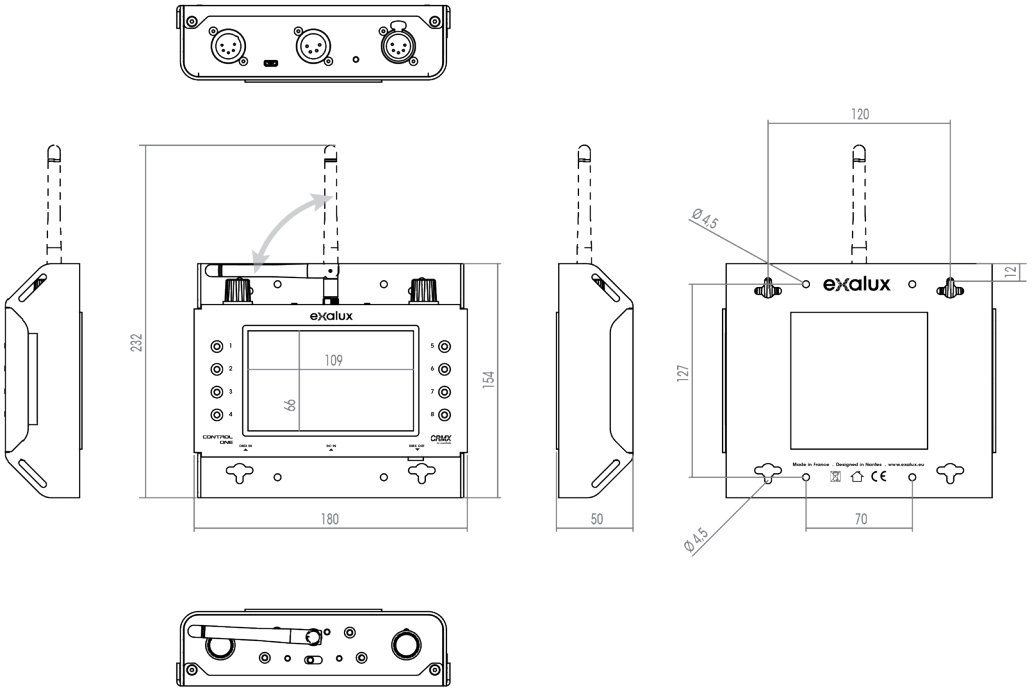


TECHNICAL SPECIFICATIONS

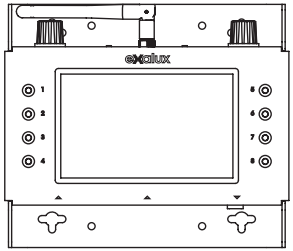
FEATURES
1 DMX universe
8 tact switches to save/reload memories
Black out function
Lock / unlock function
Runs up to 11h with 10Ah/36Wh PowerBank
Fully compatible with EXALUX™ CONNECT

TECHNICAL SPECIFICATIONS
2,4GHz CRMX by LumenRadio™
TFT 5.0" capacitive touch super bright display
Link range : up to 1000 meters line-of-sight*
5VDC (USB) | 10-24VDC (XLR4) Input / 4W max
XLR5 DMX input (M) & output (F)
180x154x50 mm | 700g

* depending on the receiver



CONTROL ONE



GENERAL

Power supply input	Micro USB or XLR4 Male
Power consumption	4W Max (Screen Off: 2.2W)
Standby consumption	25mW
DMX In / Out	XLR 5 pins Male / Female (Neutrik®)
Display	TFT 5", 800x400, Capacitive touch
Housing / construction	Aluminium
IP Rating	IP30
Certifications	CE
Weight	700g

OPERATING CONDITIONS

	Minimum	Maximum
Input voltage (USB)	+ 4.50 Vdc	+ 5.50 Vdc
Input voltage (XLR4)	+ 10 Vdc	+ 24 Vdc
Storage temperature	- 30°C	+ 80°C
Operating temperature	- 20°C	+ 60°C

RADIO INTERFACE

Standard / technology	CRMX by LumenRadio™
Frequency range	2,402 ~ 2,480 GHz
Antenna	Panel mount (not removable) -90° / +90° swivelable
RF output	20dBm /100mW *(ETSI compliant)*
RF modulation	GFSK Cognitive coexistence *(dynamically avoids occupied frequencies)*
Range	500 – 1000m *(free field line of sight - depending on the receiver and the environnement)*

GENERAL INFORMATION

This instruction manual contains important notifications regarding the safe use of the CONTROL ONE.
Please take the time to read this manual carefully and thoroughly before installing and operating the system.
We recommend you keep a copy for future use and you transfer it to the buyer if you resell the system.
EXALUX reserves the right to modify and upgrade its range of products, with no obligation to integrate these changes into products already sold. Therefore, all the information found in this manual is subject to change without notice.

WARRANTY

EXALUX cannot be responsible for material or personal damage resulting from improper use of the product or non-compliance to the instructions. The warranty will not be applied in these cases.

SAFETY INSTRUCTIONS

Proper use:
This unit is designed to control lighting sources using DMX commands. Use the device only in its intended use as described in this manual. Any other use, as well as use in other conditions, will be considered non-compliant and can cause injury and damage. No liability will be assumed for damages resulting from improper use.
The device should only be used by people in full possession of their physical, sensory and mental abilities who must have the knowledge and experience required. All the other persons are only allowed to use the device under the supervision or direction of a person responsible for their safety.

Risk of electric shock:
This system requires DC voltage, which can result in an electrical shock. Never remove covers. The parts inside the device are maintenance free.

Dangers for children:
Ensure a proper disposal of plastic envelopes and packaging. They should not be near babies nor young children: suffocation danger. Make sure that children do not remove small parts of the unit (e.g. knobs, screws or similar). Children could swallow the pieces and choke. Never leave unattended children use electrical devices.

Electric shock caused by a short circuit:
Do not modify the power cord nor the plug. In case of non-compliance, there is a risk of electric shock and fire hazard and death. If in doubt, contact a certified technician.

Risk of fire:
Never cover the device. Do not install the device close to a source of heat. Keep the device away from flames.

Terms of use:
The device is designed for indoor use. To prevent damage, do not expose the product to liquid or moisture. Avoid direct sunlight, clogging and strong vibrations.

Power supply:
Check the operation of the power supply before connecting to the system.
Before connecting the appliance, check if the voltage indicated on the device matches the voltage on the local supply network and if the socket is fitted with a differential circuit breaker. In case of non-compliance, the device could be damaged and the user might be injured.
When a storm is announced or the unit must not be used for an long time, unplug it to reduce the risk of electric shock or fire.

CARE

– Unplug the unit when cleaning it and during all maintenance operations.
– Do not remove the serial number sticker.
– Do not use cleaning product: use a dry cloth and rub gently.
– Store the device in a clean, dry place, away from direct exposure from sunlight and dust.

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DESIGNED IN NANTES

MADE IN FRANCE

LIGHT

CONNECT

CONTROL

DIMMING

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