

1 - GENERAL INFORMATION

This instruction manual contains important notifications regarding the safe use of the EXALUX™ CONNECT RX200N.

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.

2 - TECHNICAL SPECIFICATIONS

Power supply input	2.1 x 5.5mm DC jack
Power consumption	0.9W max
DMX/RDM connector	XLR5 pins Female (Neutrik®)
Supported protocols	DMX512-A ANSI E1.11 RDM - ANSI E1.20
Display	6 LED indicators
Control	1 push button on membrane switch
Housing	Aluminium, steel, plastic
Protection	IP30
Certifications	CE
Weight	80g (without cables)
Dimensions	26x32x76mm (without antenna)

3 - OPERATING CONDITIONS

	Minimum	Maximum
Input voltage	+ 4.5Vdc	+ 26Vdc
Storage temperature	- 20°C	+ 75°C
Operating temperature	- 10°C	+ 55°C

4 - RADIO INTERFACE

Standard / technology	CRMX by LumenRadio™
Frequency range	2.402 ~ 2.480 GHz
Antenna	2dBi - 50ohms - ±90° hinged Panel mount (not removable)
RF output	20dBm / 100mW (ETSI compliant)
RF modulation	GFSK Cognitive coexistence (dynamically avoids occupied frequencies)
Range	500 – 1000m (open field line of sight - depending on the transmitter and the environment)

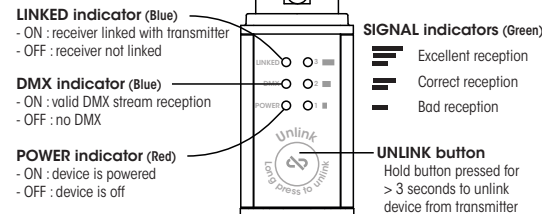
5 - WARRANTY

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.

6 - OVERVIEW

The CONNECT RX200N is a wireless DMX/RDM receiver that uses LumenRadio CRMX technology (2.4GHz). This system allows the users to connect to DMX/RDM enabled fixtures wirelessly, several tens meters away from a CRMX transmitter. CONNECT RX200N can receive an entire DMX universe (512 channels).

7 - CONTROL



8 - POWER SUPPLY

The CONNECT RX200N is powered from the 2.1x5.5mm DC Jack connector. When powered, the red «POWER» indicator turns on.

Input Voltage: From +4.5Vdc to +26Vdc

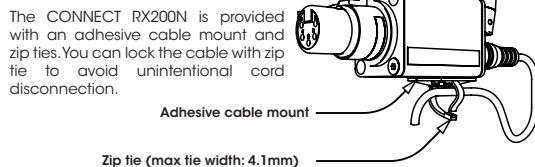
Typical working voltage:

• **5Vdc** for USB battery powering
(using USB-DCjack cord provided with the device)

• **14.8Vdc** for V-mount battery powering
(using D-TAP-DCjack cord provided with the device)

⚠ Powering the system out of this range can cause malfunctions and the destruction of the product.

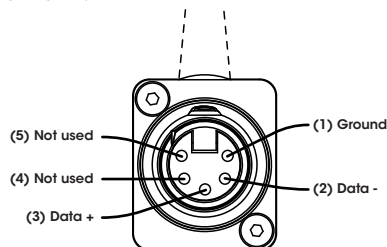
DCjack cord locking system:



9 - DMX/RDM OUTPUT

The CONNECT RX200N is designed for DMX/RDM equipments. The signal received from the radio emitter is forwarded to the XLR5, with the standard pinout (1:Ground / 2:Data- / 3:Data+).

The blue indicator «DMX» turns on when a DMX signal is received and outputed on the XLR5.



10 - LINKING WITH TRANSMITTER

It is necessary to link the RX200N to an emitter following this procedure:

- Make sure all devices to be paired are powered.
 - Start the linking procedure by pressing the dedicated button on the emitter.
 - During the linking period (10s), the DMX signal is not transmitted. Any unlinked CONNECT RX200N in range will automatically link to the emitter. If a CONNECT RX200N is linked to an emitter, the blue «LINK» indicator turns on (even if the transmitter is off).
- Several receivers CONNECT RX200N can be linked to the same emitter during a single procedure.

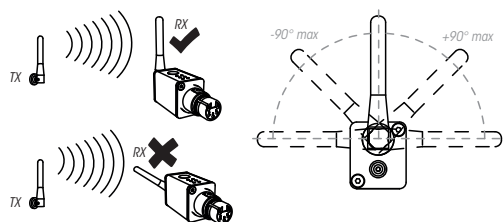
11 - UNLINKING RECEIVERS

At any time, it is possible to reset the configuration of the receiver by unlinking from the emitter. To do so, press the «UNLINK» button during 3 seconds, until the «LINK» indicator turns off.

12 - RADIO

The antenna is manually adjustable (±90°). Take care not to exceed over this angle. The antenna is not removable.

A three-level gauge provides feedback on the radio signal strength. In order to optimize the radio communication, it is also recommended to install the transmitters and receivers in open spaces, without large metallic objects. It is also recommended to place the antennas as described in the following image.



13 - SAFETY INSTRUCTIONS

Proper use:

This unit is designed to control any DMX or DMX/RDM equipment. Use the device only in its intended use as described in this manual.

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.

Safety:

Risk of electric shock

This system requires 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 and swallow small parts of the unit (e.g. knobs, screws or similar). 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 noncompliance, there is a risk of electric shock and fire hazard. If in doubt, contact a certified technician.

Risk of fire

Never cover the device nor its ventilation slots. 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.

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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CONNECT **RX200N**

2.4GHz RDM RECEIVER

