DMX512 wireless receiver/transmitter transmit standard

MODE：XRL-W-DMXPRO-2.4V

DMX512 protocol data (generated by console) by wireless way, which solves lighting controlissues of wireless transmitting completely between console and lighting, lighting and lighting and so on.
It gets rid of connecting cable limited completely. And also can ensure without any time delay when signal data is transmitting, signal data is real time and reliably.
The product uses W-DMX global open ISM transformation, free of license. Efficient GFSK modulation, communication design, strong anti-interference ability. It is completely free from all existing wireless microphone signals and is the mainstream safe and reliable wireless
Compatible with multiple protocols, wirelessW- DMX transceivers are compatible with the world's leading wireless communication protocols. Whether it's Swedish transceivers, all are fully compatible.

Fields of application:

Large-scale art performances, urban lighting control systems, stadium lighting, TV stations, conference centers, professional theaters, theme parks, dance halls, KTV bars, temporary stage performances, and small-scale performances, all used in DMX512 -1990 protocol lamps Place.

Product performance index

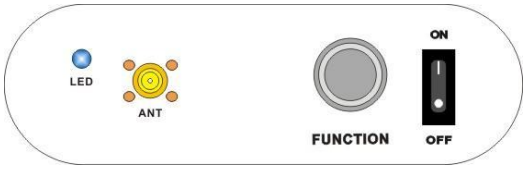
1) Completely independent research and development, with complete intellectual property rights, has obtained internationally authoritative RTTE, CE, FCC, ROHS certification.
2) 79-channel high-speed frequency hopping, 1100 hops/second, automatic restart timer, built-in WDT, ensuring communication reliability.
3) 32-bit ARM processor, DMA real-time transmission of high-speed data, truly equivalent to wired connections without delay.
4) W-DMX DMX512 three-pin male and female transceiver, male transmitter, and mother receiver. Plug and play
5) Three primary color LEDs display working status and parameters as well as key operations.
6) Compatible with wireless solutions (Sweden) for a wide range of applications.
7) wireless networks can be used in the range of 500M without mutual interference.
8) Communication distance: 500 meters (open space, depending on the ring network)

1）LED indicator status description

1) Correspondence between LED color and protocol in configuration mode:
1. Green ---------- W-DMX protocol, Receive
2. Blue ---------- ----------W-DMX protocol,Transmite
3. The white light remains on constantly.---------- holding state

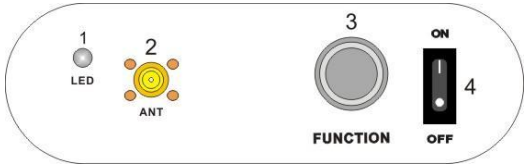
2) W-DMX emission Settings:

Press and hold the button (FUNCTION) for a long time. After the indicator light flashes for a moment, release it immediately. The white light of the transmitter will remain on constantly, and it will enter the standby state. At this point, it is connected to the signal card XLRslot on the light control console. At this time, the indicator light of the transmitter turns into a constantly lit blue light.



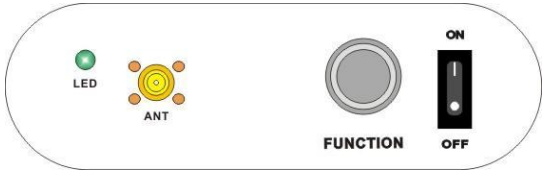
3）W-DMX receiving Settings:

Press and hold the button (FUNCTION) for a long time. After the indicator light flashes for a moment, release it immediately. The white light of the transmitter will remain on constantly, and it will enter the standby state. At this point, connect to the signal card XLRslot of the lamp. At this time, the indicator light of the receiver turns into a constantly lit white light.



4）Pairing：

Connect the transmitter signal line to the signal card socket of the light control console. At this time, the transmitter indicator light will turn into a constantly lit blue light. At this point, quickly press the transmitter button (FUNCTION) and wait for the transmitter to pair with the receiver. About five seconds. After the connection is normal, a constant blue light is emitted and a constant green light is received. When the lamp is under control, the pairing is successful and wireless signal control can be achieved.



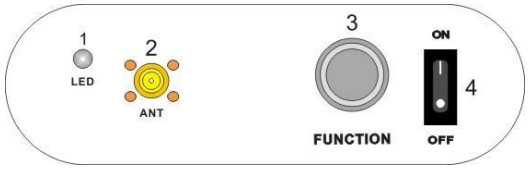
5）Operating mode

To delete the existing pairing relationship, either transmit or receive any product. Press and hold the (FUNCTION) button for more than 3 seconds. When the white light turns on and you release it, all the pairing relationships of the receivers or transmitters connected to it will be deleted. At this time, you can add or remove wireless devices. After the configuration is completed, gently press the button on the transmitter to re-form a new wireless group. When reorganizing, the power supply of other wireless groups within the current 500-meter range should be turned off to prevent wireless frequency misalignment

and subsequent wireless chaos. After the assembly is completed, turn on the power. At this point, multiple wireless communication groups within a range of 500 meters can communicate without interfering with each other.

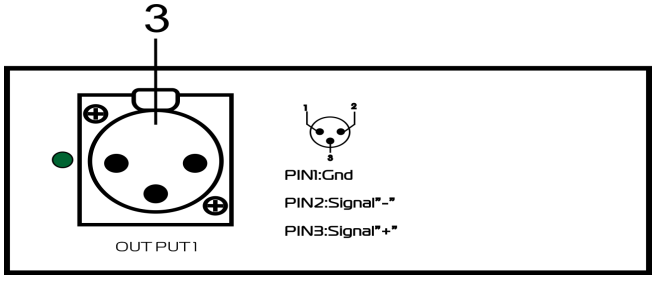
6) Restore factory Settings

Press and hold the (FUNCTION) button for a long time without releasing it to turn off the power switch. Then turn it on again. After powering on, the indicator light will flash for a moment. Release the (FUNCTION) button. If the white light is not constantly on at this time, press and hold the (FUNCTION) button again until the white light comes on and then release it. This is the standby state in any mode. factory data reset



7) Antenna installation

Please note that when installing the antenna, the entire process is done manually. First, align the N-head male pin of the antenna with the N-head female socket on the wireless product, push it in place with force, and then twist the outer nuts by hand. Pay attention to aligning the screw position and do not twist it at an Angle. After aligning the positions, the nuts were tightened very easily by hand. The strength of an adult's hand can be tightened. No need to borrow tools. Stainless steel bolts are very fragile. After the antenna is installed, when it is fixed on the base, the tip (top) of the antenna must face the sky. Do not tilt it to one side, or to the ground, or towards the transmitter. All these are incorrect installation methods.
The wireless transceiver should not be placed randomly on the ground, on a table or on a device. It must be supported by a separate stand. Only in this way can the maximum gain effect of the wireless signal be achieved.



8) Working temperature: -40~85°C, 5~95% RH humidity Storage temperature: -65~150°C, 5~95%RH humidity
Power input: AC 100V~230V

WARNINGS:

Please read the following safety warnings carefully after opening the package. All low-voltage electrical products have safety usage regulations. Please be sure to use this product safely in accordance with the following requirements. Prevent safety accidents caused by electric shock!

Compatible with our products as follows: