



# **HPS-WT-LED**

## **User Manual**

**(DMX512 wireless receiver/transmitter)**



Please read over this manual before operating the fixture.

**Product Profile:**

DMX512 wireless receiver/transmitter transmit standard DMX512 protocol data by wireless way, which solve lighting control issues of wireless transmitting completely between console and lighting, lighting and lighting and so on, It get 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.

This product adopt global opening 2.4G ISM frequency section without permission limited

High effective GFSK modulate ,communication design is 79 channels jumping frequency, high anti-jamming ability.

**Application:**

Stage lighting 、 Disco hall 、 Large literature performance 、 Gymnasium lighting 、 Temporary stage performance 、 City lighting system 、 TV station 、 Conference center 、 professional showplace 、 Topic park 、 Bar lighting and so on.

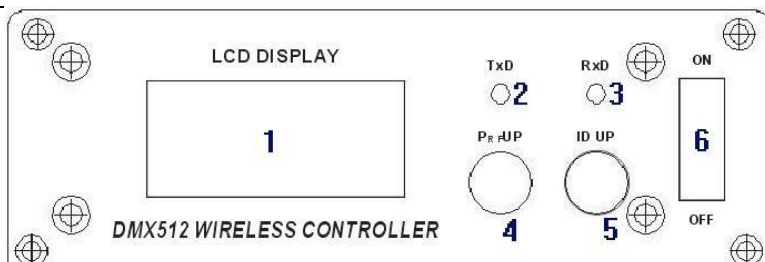
**Product Image:**



#### Product Feature:

1. Product model: 2.4G DMX512 wireless receiver/transmitter
2. 2X8 bit LCD to display working condition and parameter
3. 4 grade power rate output for option.
4. 79 channels jumping frequency self-moving, self-moving to option non-interfere frequency section, ensuring communication is reliable.
5. 16 groups ID coding for setting, User can use 16 groups individual wireless net without any interfere each other in the same place.
6. Input voltage : 9-12VDC 300MA MIN
7. Communication distance: 40M (visible distance)
8. Working frequency: 2.4G ISM,79 channels
9. Max transmitting power rate: 0dBm
10. Receive sensitive: -94dBm
11. DMX single terminal: 3PIN male-female socket
12. Dimension: 75X147X43 mm
13. Net weight: 360g

#### Outline:

**Front board**

- 1: LCD display window 2: Indicator light of transmitting 3: Indicator light of receiver 4: Setting knob of transmitting power rate 5: ID Option Knob 6: Power Switch

**Display describing:**

```
T : 2 . 4 8 6 G
P : 3   I D : 1
```

1. LCD display - - - - - Include working condition、RF frequency、transmitting power rate、ID coding etc.

```
T
```

2. Working condition- - - - - "T"=TXD transmitting "R"=RXD receiving "-"=searching signal, no setting needed when it works self-moving condition.

```
2 . 4 8 G
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3. RF frequency - - - - - 2402.06MHz to 2480.13MHz, Total 79 channels, no setting needed when it works self-moving condition.

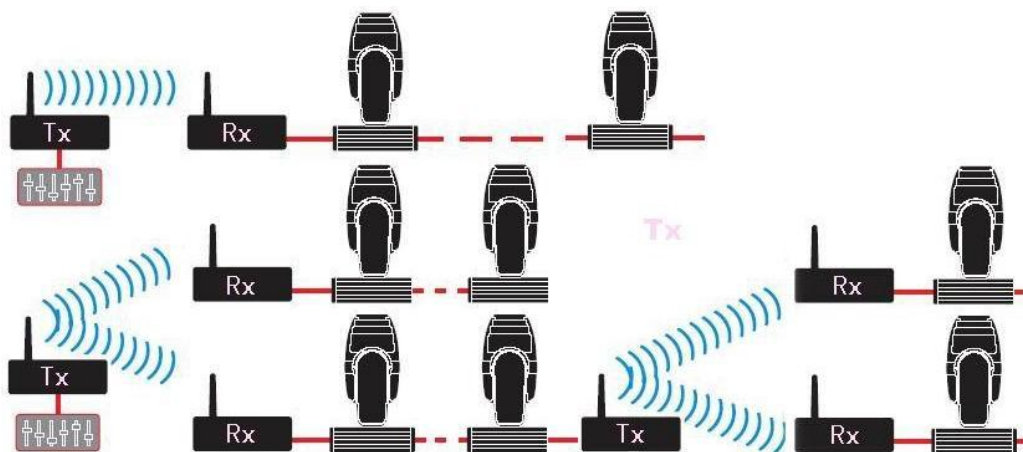
```
P : 3
```

4. Transmitting power rate- - - - - "0"=-1dBm "1"=-4dBm "2"=-8dBm  
"3"=0dBm, Press "PRF UP" for setting



5. ID Coding- - - -"0-F" 16 groups ID coding, press "ID UP" setting, Same ID can communicate each other only.

### Connecting Scheme:



### Establishing Communication:

1. Power on DMX512 wireless receiver/transmitter
2. Press "PRF UP" to set transmitting power rate value, then press "ID UP" to set receiver and transmitter with same ID value. Pay attention, please use different ID value if you need use more than 1 group wireless net at same time in same place.
3. This equipment start to option non-interfere frequency section for transmitting signal data after received DMX signal data, receiver start to change communicate frequency section, then Indicator lights of receiver and transmitter will flash at same time, till received correct ID value.

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4. Communication was established correctly then

## Returns Procedure

The user must send the merchandise prepaid, in the original box, and with its original packing and accessories. Hanson Pro Systems will not issue call tags.

Call Hanson Pro Systems and request a Return Merchandise Authorization Number (RMA#) before shipping the fixture. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

The user must clearly label the package with a Return Merchandise Authorization Number (RMA#).

Hanson Pro Systems will refuse any product returned without an RMA#. DO NOT write the RMA# directly on the box. Instead, write it on a properly affixed label. Once you receive the RMA#, please include the following information on a piece of paper inside the box.

- Your name
- Your address
- Your phone number
- The RMA#
- A brief description of the problem

Be sure to pack the fixture properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. As a suggestion, proper UPS packing or double-boxing is always a safe method to use. Hanson Pro Systems reserves the right to use its own discretion to repair or replace returned product(s).

## Claims

The carrier is responsible for any damage incurred during shipping to this product or any part that shipped with it. Therefore, if the received merchandise appears to have damages caused during shipping, the customer must submit the damage report and any related

claims with the carrier, not Hanson Pro Systems. The customer must submit the report upon reception of the damaged merchandise. Failure to do so in a timely manner may invalidate the customer's claim with the carrier.

For other issues such as missing components or parts, damage not related to shipping, or concealed damage, the customer must make claims to Hanson Pro Systems within seven (7) days of receiving the merchandise.

**General Information**

Hanson Pro Systems

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Service and repairs email: [service@hansonprosystems.com](mailto:service@hansonprosystems.com)

[www.hansonprosystems.com](http://www.hansonprosystems.com)



**FCC NOTE:**

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1. This device may not cause harmful interference, and 2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.