

User manual

Model name:2.4 G wireless DMX transceiver

Brand name:DAISEYA

Instruction of 2.4 G wireless DMX transceiver

Product Profile:

DMX512 wireless transceiver 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 126 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.

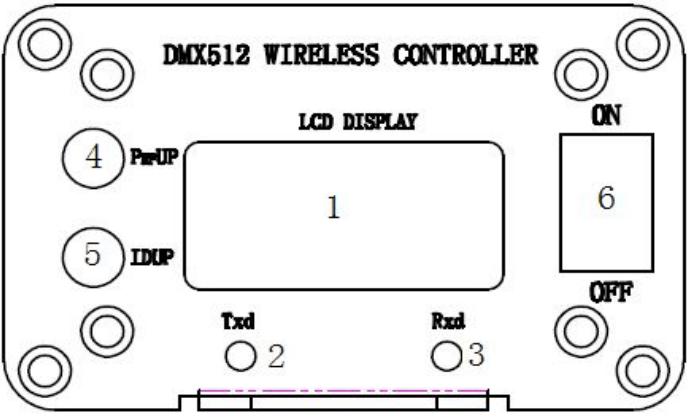
Product Image:



Product Feature:

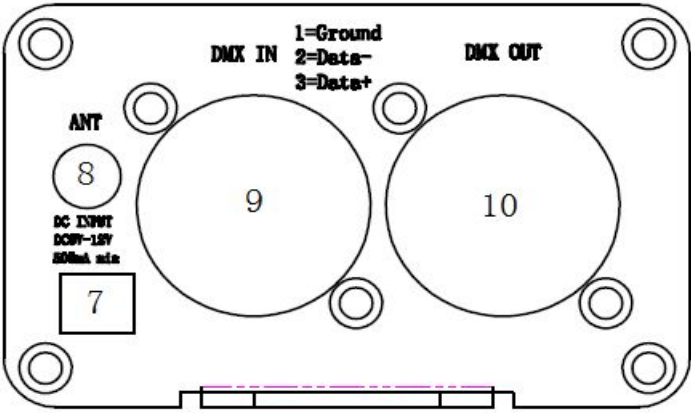
1. Product model: 2.4G DMX512 wireless transceiver
2. 2X8 bit LCD to display working condition and parameter
3. 4 grade power rate output for option.
4. 126 channels jumping frequency self-moving , self-moving to option non-interfere frequency section, ensuring communication is reliable.
5. 16 groups 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: 400M (visible distance)
8. Working frequency: 2.4G ISM,126 channels
9. Max transmitting power rate: 20dBm
10. Receive sensitive: -94dBm
11. DMX single terminal: 3PIN male-female socket
12. Dimension: 75X147X43 mm
13. Net weight: 360g

Outline:



Front board

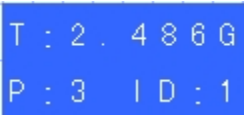
- 1: LCD display window 2: Indicator light of transmitting 3: Indicator light of receiver 4: Setting knob of transmitting power rate 5: ID Option Knob 6: Power Switch



Back board

- 7: Power supply input jack 8: RF Antenna 9: DMX Input Socket 10: DMX Output Socket

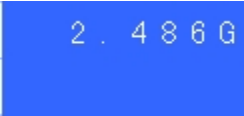
Display describing:



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



2. Working condition- - - - - “T”=TXD transmitting ”R”=RXD receiving ”-“ =serching signal , no setting needed when it warks self-moving condition.



3. RF frequency- - - - - 2.402--2.480G , Total 126 channels, no setting needed when it warks self-moving condition.

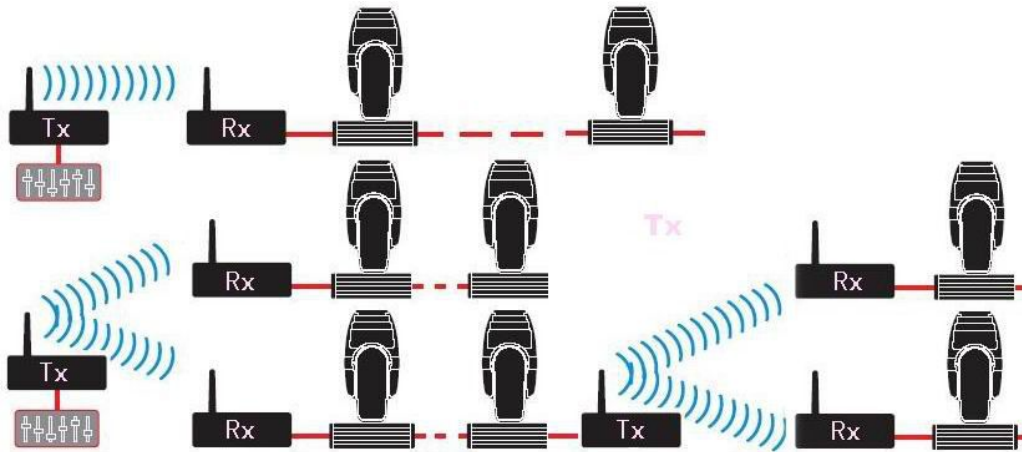


4. Transmitting power rate- - - - - “0”=2dBm “1”=8dBm “2”=14dBm “3”=20dBm, Press ”PRF UP” for setting

ID : 1

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.
4. Communication was established correctly then

Caution:

- ✧ Indoor use only.
- ✧ 1 year warranty, repairment, free replacement except damaged artificially
- ✧ The manufacturer willn't offer free service in warranty period if any repaired or uncapped had happened
- ✧ It's better to return to manufacturer if repairment is must, Don't do any repairment unless qualified electrician.
- ✧ The working condition should be under temperature -20°C~+45°C, 10%~90%RH, no congelation, so as to ensure it's lifetime.
- ✧ It can't be covered by any superstratum, it should be swept periodly to prevent dust

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna transmitter

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.

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.