

DMX Wireless System Transmitter (TX) / Receiver (RX)

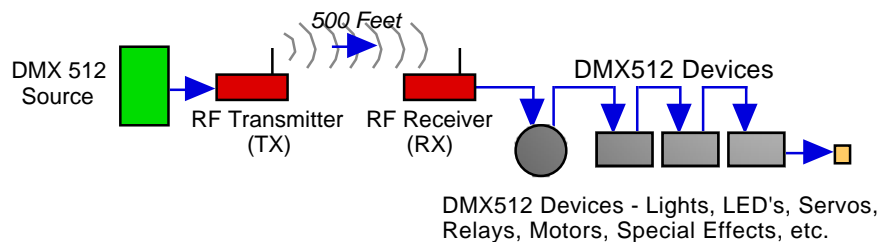
Overview:

Wireless DMX receiver/ transmitter sends standard DMX512 protocol data stream via wireless signal. This product utilizes the 2.4Ghz ISM frequency, it uses a highly effective GFSK module with 512 channels of jumping frequency and high anti-jamming ability. Use with any universal DMX-512 controller. FCC compliant.



DMX Setup Examples

DMX Wireless Single Network



Product Features:

- Working frequency; 2.4Ghz DMX512 wireless receiver / transmitter
- 2X8 bit LCD display
- 4 power output options
- 512 channels of frequency hopping.
This frequency hopping interference with a in use frequency, ensuring communication is reliable
- 4 group IDs available.
Can use 4 groups of individual wireless DMX transmissions without any interference.
- Input voltage = 9 -12VDC at 300MA - MIN
- Communication distance: 400M (visible distance) approx. 1,300 ft.
- Max transmitting power rate: 20dBm 10
- Receive Strength minimum : -94dBm
- DMX single terminal: 3pin XLR male-female connector
- Dimension: 75x147x43 mm; Net weight; 360g

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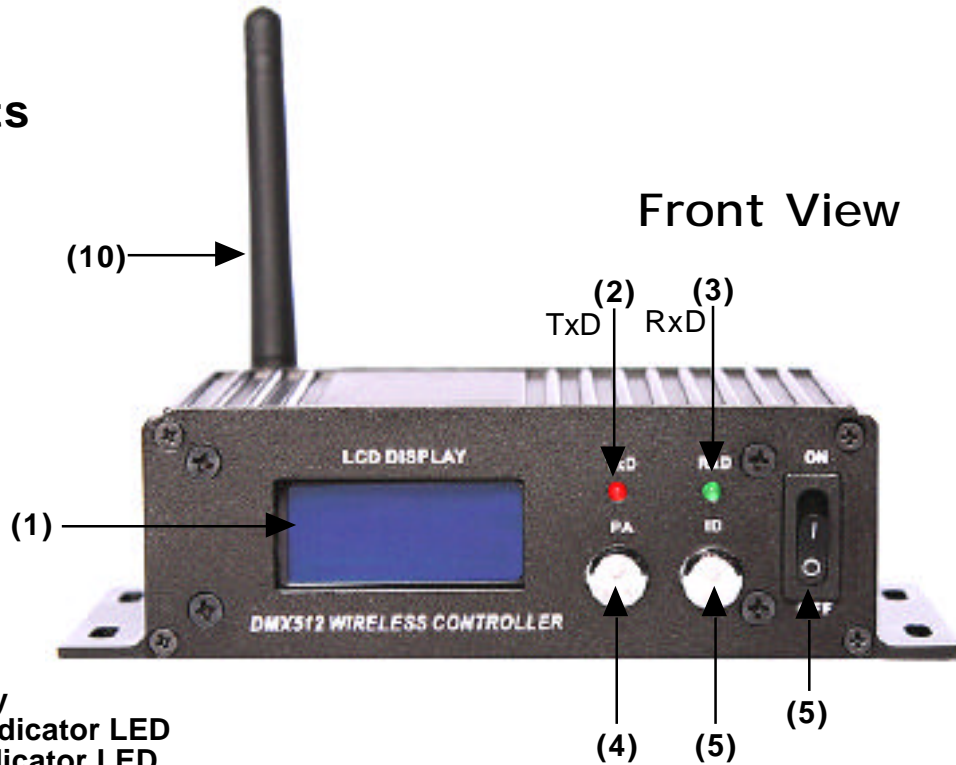
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DMX Wireless System Transmitter (TX) / Receiver (RX)

Components

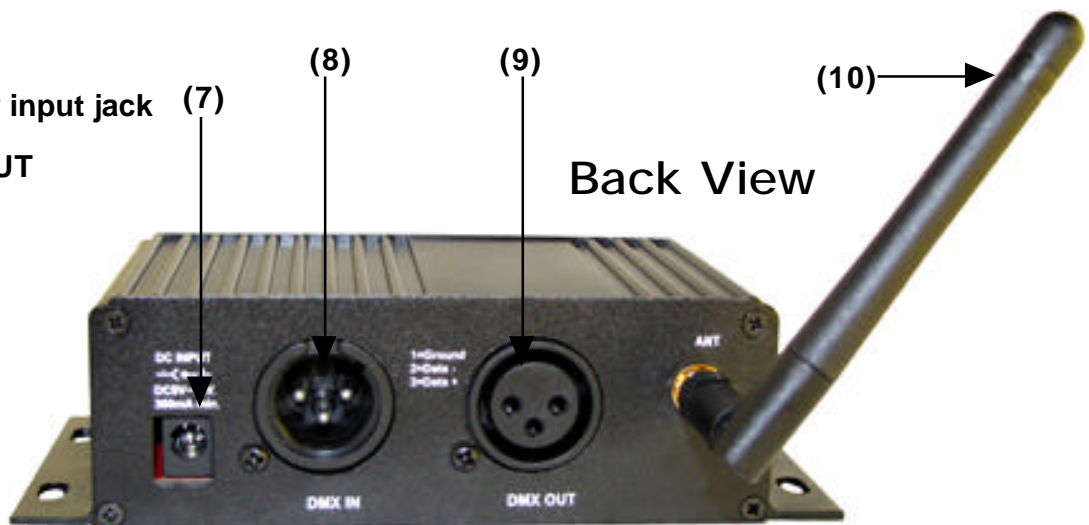


Front View

1. LCD display
2. Transmit indicator LED
3. Receive indicator LED
4. Transmit power rate setting button.
5. ID Setting button.
6. Power Switch

Back View

7. Power supply input jack
8. DMX XLR- IN
9. DMX XLR- OUT
10. RF Antenna





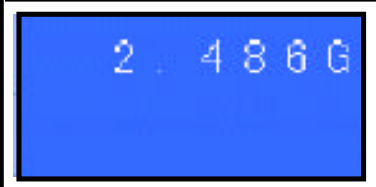


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DMX Wireless System Transmitter (TX) / Receiver (RX)

Display Settings

Wireless DMX Module



	<p>LCD display default view. T = Current transmit frequency. P = Transmitting Power Rate ID = Group ID (1,2,3,4 Groups Available)</p>
	<p>Setup Mode T=Transmitting R=Receiving No setting is needed when using frequency hopping setting. T is followed by the current frequency. When you do not have your transmitter and receiver on the same P & ID settings, the screen will show the device searching for a transmitter; this is due to the Frequency Hopping setting.</p>
	<p>Transmitting Frequency RF frequency option from 2.400 - 2.525 G. A total 512 available channels. No setting is needed when using frequency hopping setting.</p>
	<p>Transmitting Power Rate "0 " = 2 dBm "1 " = 8 dBm "2 " = 14 dBm "3 " = 20 dBm Use "PA "button to set the power rate. Transmitter and Receiver need to have the same "P " setting</p>
	<p>ID Coding ID setting controls what ID DMX is transmitted and received on. Press the "ID " button to change the ID. Same IDs can only communicate with each other, so make sure the Transmitter and the Receivers have the same ID configurations.</p>

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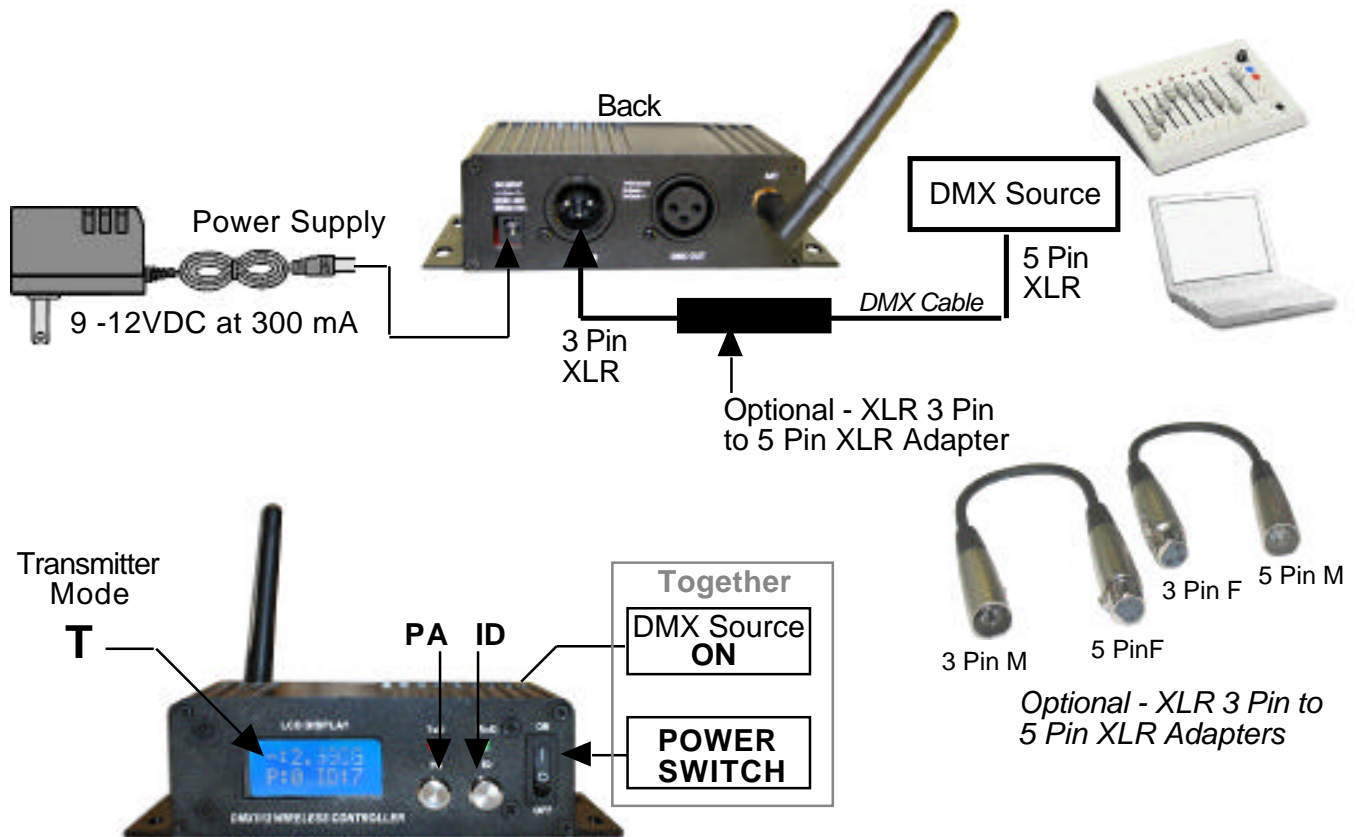
DMX Wireless System Transmitter (TX) / Receiver (RX)

Setting up the DMX512 Wireless Controller:

Transmitter mode is denoted by the **T** in the top left of the display.
Receiver mode is denoted by the **R** in the top left corner of the display.

To set the unit into Transmit mode. (TX)

1. Connect a DMX Source (lighting controller) to the DMX -XLR connector on back of unit.
(Note: A XLR 3 Pin to 5 Pin XLR Adapter maybe needed to match the DMX source and the unit.)
2. Plug Wireless unit into power supply - wall power
3. Send DMX signal from DMX Source at the same time turning on unit using the front power switch.
4. Unit will now be in transmitting mode and will stay in transmit mode until you remove the DMX cable.
5. Set your Transmitting Power Rate via the "PA" button.
Set the ID via the "ID" button.
6. A "T" will now appear in the top left corner of the display. - Unit in Transmitting Mode



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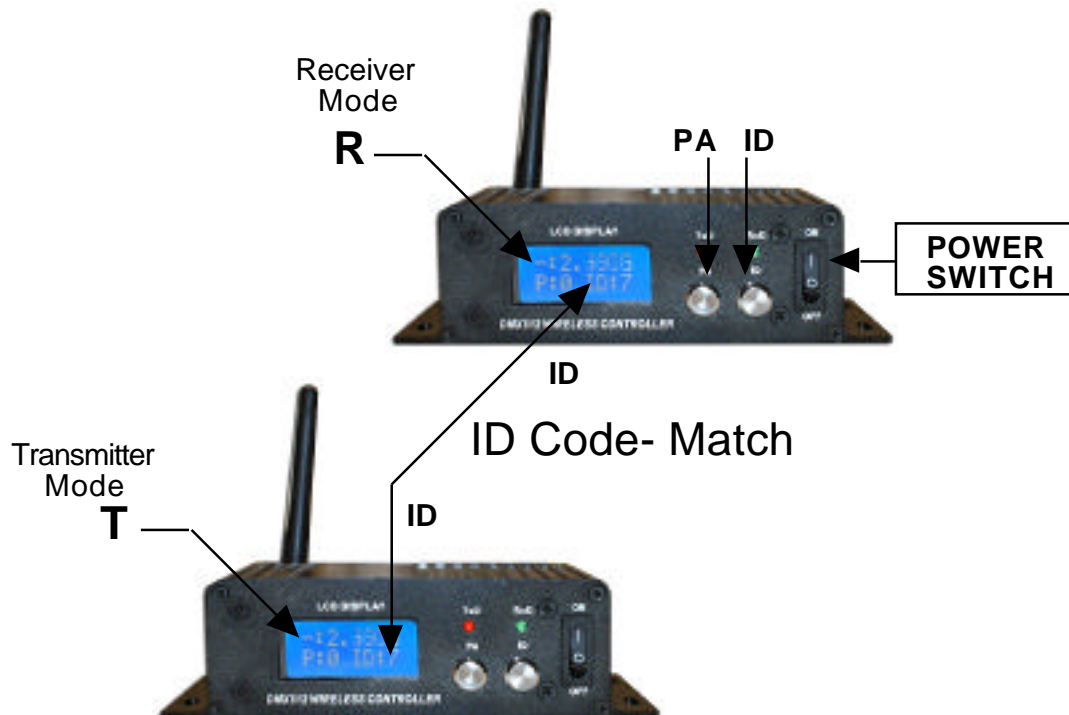
DMX Wireless System Transmitter (TX) / Receiver (RX)

Setting up the DMX512 Wireless Controller:

Transmitter mode is denoted by the **T** in the top left of the display.
Receiver mode is denoted by the **R** in the top left corner of the display

To set the unit into Receiver mode, (RX)

1. Power on DMX512 wireless unit or units if multiple receiver systems are to be used.
2. Press "**PA**" button to set transmitting power rate value, then press "**ID**" button to set receiver and transmitter with same ID value. (Use a different ID value if you need to use more than one group of wireless DMX at same time).
3. Communication is established when the transmitter & receiver have the same **frequency, P**, and **ID** values.
- 4 A "**R**" will now appear in the top left corner of the display.



CAUTION:

Indoor use only. Not for outdoor use or in extreme environmental conditions.
Working Environment: Temperature -20°C~+45°C, 10%~90%RH

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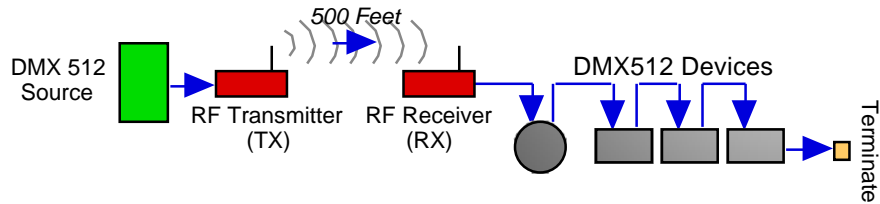
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DMX Setup Examples

DMX Wireless Single Network



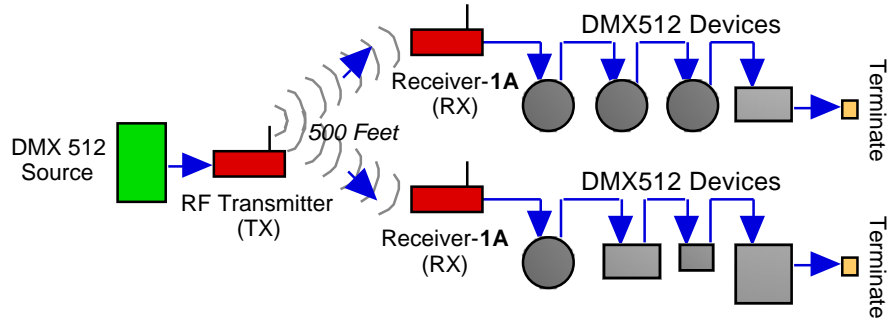
X2



DMX Wireless Multiple Network



X3



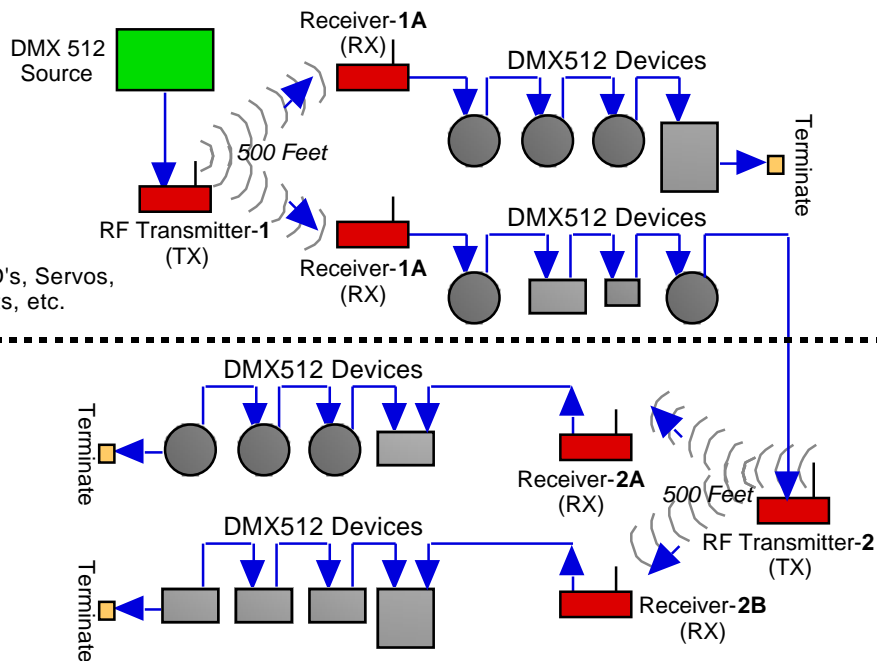
DMX512 Devices - Lights, LED's, Servos, Relays, Motors, Special Effects, etc.

DMX Wireless Multiple Networks



X6

DMX512 Devices - Lights, LED's, Servos, Relays, Motors, Special Effects, etc.



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