



DINTEC Wireless DMX System

extend your DMX system without wires

General Information

- The DINTEC Wireless DMX is a 2.4GHz wireless device featuring wireless DMX transmitter and receiver based on CRMX technology
- The Wireless transmitter takes one universe DMX as input signal and transmits it to one or multiple DINTEC Wireless DMX receivers.
- The DINTEC Wireless receivers will only link to DINTEC Wireless transmitter and vice-versa.
- Only one DMX Transmitter is allowed, however multiple DMX Receivers can be used in one setup.
- This device will require an external DC power supply (9V-24VDC output, not included), for normal operation.
- Dynamic adaptive frequency hopping
- Recovery time upon loss of radio link is less than 1s
- Full DMX fidelity and frame integrity
- Error correction and packet recovery
- DIN RAIL mountable

Safety

- Do not expose the DINTEC Wireless to rain or moisture, doing this will void the warranty
- Do not remove the cover, there are no serviceable parts inside
- This unit is intended for indoor use only

Features

- 2.4GHz wireless transmitter / receiver
- Fully compliant with USITT DMX512-A
- 1-830Hz DMX frame rate
- Frame synchronisation is less than 0.01ms
- End-to-end DMX latency less than 5ms
- Automated cognitive coexistence
- One touch Link to pair devices

Applications

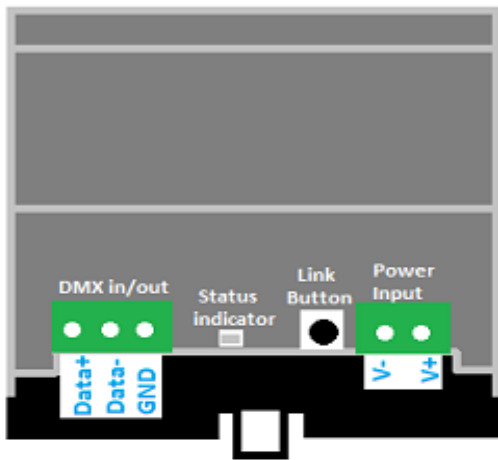
Employ the DINTEC Wireless system, if you need wireless transmission between DMX devices. Example usages:

- Architectural Lighting
- Fixed installations
- Stage lighting
- Home improvements
- Office lighting

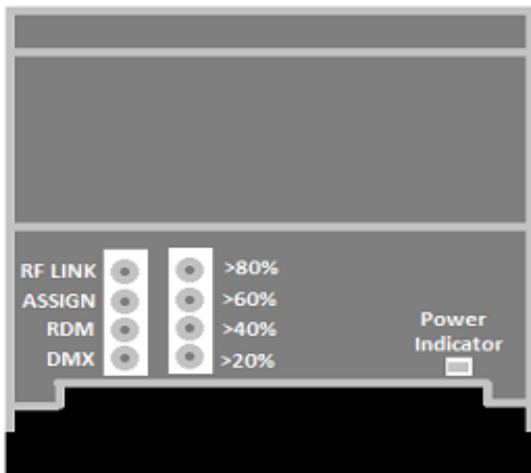
Tips for best performance

- Keep transmitter to receivers' line of sight
- Elevate the both transmitter and receiver above any objects.
- Elevate above ground increase range achievable.
- Keep away from large metal objects

Front View



Back View



How to pair receiver(s):

1. Attach the antenna to DINTREC Wireless devices by gently turning the bolt clockwise.
2. Connect power (9-24VDC) to POWER INPUT screw terminals, as per the V+ and V- polarity. **Warning:** Connecting power in a wrong polarity will permanently damage the device.

3. Turn on the power for both transmitter and receivers. The Power Indicator should turn on.
4. Ensure the RF LINK indicator on all receivers are off. If RF LINK is on, please follow the unpair procedure before you proceed next step.
5. On the transmitter, press and release the Link button. The transmitter will search for a period of 10 seconds for any unpaired receivers. The status indicator will flash.
6. At the end of the search period, all RF LINK indicator will be on for all the receivers. Which indicates that they have been successfully paired with this transmitter.

Item	Value
Power indicator	Always On (power)
Signal Strength indicator	<p>Transmitter: Always Off</p> <p>Receiver: On: when signal strength is greater than 80%</p> <p>>80%</p>
	On: when signal strength is greater than 60% <p>>60%</p>
	On: when signal strength is greater than 40% <p>>40%</p>
	On: when signal strength is greater than 20% <p>>20%</p>

How to unpair receiver(s):

1. Unpair a single receiver: On the receiver, press and hold the Link button for more than 3 seconds to unpair if from a transmitter. The RF Link indicator will turn off.
2. Unpair all: On the transmitter, press and hold it is Link button for more than 3 seconds to unpair all the paired receivers.

Technical Specifications

Item	Value
Electrical	Input: 9-24V DC Power: 5W Max
Supported Protocols	USITT DMX 512
DMX	Number of Channels: 512
RF Characteristics	Automated cognitive co-existence : Yes Dynamic adaptive frequency hopping : Yes Recoverable Radio Packet Error Rate : 30% Operational frequency : 2402-2480 MHz RF output : 100 mW (20 dBm) RF modulation: GFSK Sensitivity at 0.1% Packet Error Rate : 96 dBm Operating range: 500m in outdoor urban area
Wireless Module Approval	FCC: 15.247&68 Class B Canada ICES 003 CE EN 301489-1 EN 301 489-3 EN 300 328 SS-EN 61547:2009 EN60950 SRRC - China ARIB STD-T66 - Japan
Connectors	Power: Screw Terminals DMX: Screw Terminals Antenna: SMA connector
Environment	Ambient: 20 C to +70 C Humidity: 0-50% non-condensing

Due to continuous improvements and innovations of all ENTTEC products, specifications and features are subject to change without notice.

Physical Dimensions

Item	Value
Weight	0.24 lbs / 110g
Shipped Weight	0.24 lbs / 110g
Length	2.75" / 70mm
Width	1.93" / 57mm
Height	3.39" / 86mm

Ordering Information

The DINTEC Wireless DMX System and compatible products can be ordered from our website or through your ENTTEC dealer.

PN	Description
71015	DINTEC WIRELESS DMX TRANSMITTER
71016	DINTEC WIRELESS DMX RECEIVER

ENTTEC PTY LTD
17/5 Samantha Court
Knoxfield Victoria 3180
Australia
Tel: +61 3 9763 5755
Fax: +61 3 9763 5688

ENTTEC AMERICAS
604A Cornerstone Ct.
Hillsborough NC 27278
USA
Tel-Fax: (888) 454-5922

Email: sales@enttec.com
Website: www.enttec.com