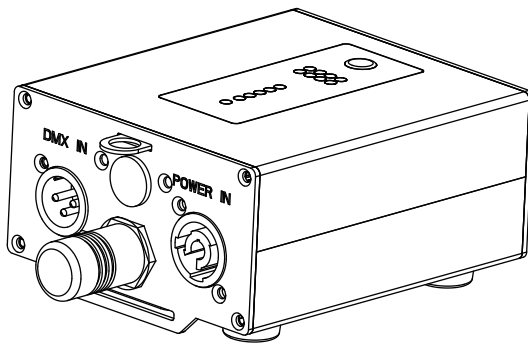# Wireless DMX Mini

SHWWIR110

User Manual

The Wireless DMX Mini is a compact device that brings the power of wireless DMX control to any lighting setup. It can function both as a transmitter and receiver.

Equipped with a built-in wireless module supporting W-DMX G3, G4S, and G5 2.4GHz. With a wireless range of up to 100 meters, the Wireless DMX Mini provides versatile control in a small, portable package.

SAFETY AND H ANDLING

Before you operate this unit read the manual carefully. Always make sure to include the manual if you pass/rent/sell the unit to another user. Keep in mind that this manual cannot address all possible dangers and environments. Please use your own caution when operating. This product is for professional use only. It is not for household use.

• Do not operate this unit in areas with high ambient temperatures. It will cause abnormal function or damage.
• Always use a suitable safety wire when rigging the device overhead.
• Connect the safety wire to the intended safety mount.
• Always follow local safety requirements.

• Only qualified technicians may repair this product.
• Do not open the product housing.
• Do not supply power if the device is damaged.

• The housing of the device can become hot. It can reach up to 70°C during normal operation.
• Ensure that accidental physical contact cannot occur with the device.
• Only install in well ventilated locations.
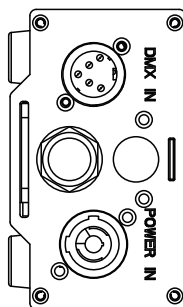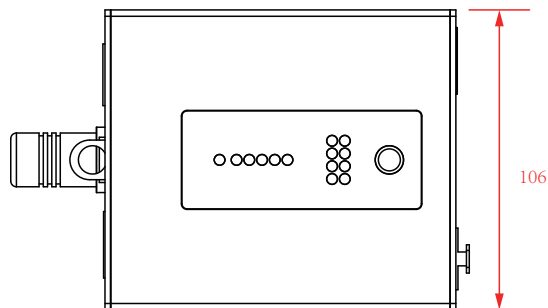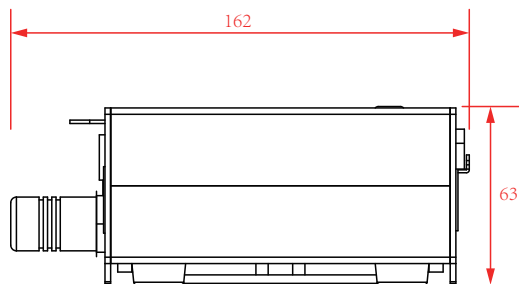• Do not cover the device.

• At end of life, dispose the unit responsibly in accordance to local regulations or procedures.
• The packaging is recyclable.

Safety information

1. Read these instructions and all safety information carefully before using this product.

2. Keep this manual for future reference.

3. Do not connect the product to the mains supply while it is still in its packaging. Do not cover the product during use.

4. Use indoors and in dry environments only, unless otherwise explicitly stated.

5. Check the product for transport damage before use.

6. This product is intended for professional use only.

7. Always place the product on a stable, solid, and level surface, or ensure it is securely mounted.

8. Do not use the product near hot surfaces or objects.

9. Regularly inspect the mains cable, plug, and related parts for damage. If any damage is found, do not use the product until the cable has been replaced. Always disconnect the adapter or mains cable before cleaning.

10. Repairs must only be carried out by qualified personnel.

11. Ensure that the product receives the correct voltage listed in the specifications.

12. Never immerse the product or mains cable in water or any other liquid to avoid electric shock, fire, injury, or other hazards.

13. Do not carry the product by its cables and avoid placing the cord over sharp edges.
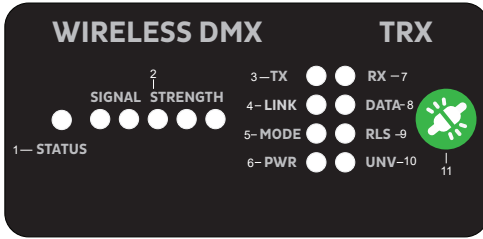
Mechanical Specification

162

63

106

DMX IN

POWER IN

Technical specifications

- Input protocols： DMX 512
- Number of DMX channels: 512 channels
- DMX latency: < 5 ms
- Max.Universes in coexistence: 32
- Input/Output opto isolation
- Error correction (Invisi-Wire)
- W-DMX G3 & G4S compatibility:2.4 GHz
- Standard range: Up to 400 meters (line of sight)
- Normal Power Mode 2.4 GHz: 100mW
- Maximum Power Mode 2.4 GHz: Up to 450mW
- DMX Connectors: 5pin input and output
- AC Input: PowerCON 100 - 250VAC & 50/60 Hz (0.35A @ 115VAC - 0.2A @ 240VAC)
- Supplied Accessories: 2dBi, black, omni-directional antenna
- Net Weight:0.65 KG
- Gross Weight: 1.5 KG
- Packed Dimensions: L160 x W 110 x H 65 mm
- Installation: 1.Metal panel for mounting on the wall
- 2 Omega with fast lock
- 3 M10 Holes
- Temperature Range: 0 °C to 45°C
- IP Rating: IP20

User Interface

1. STATUS

2. SIGNAL STRENGTH On a receiver, this indicates the quality of the received signal.
On a transmitter, it shows the configured output power.

3. TX Device is operating as a transmitter.

4. LINK On a transmitter: Indicates the unit is ready to establish a link.

  On a receiver:
   • Off – Not linked to any transmitter
   • On – Active link with a transmitter
   • Blinking – Previously linked, but the connection has been lost (e.g., transmitter
    is out of range or powered off)

5. MODE Indicates the radio mode.

6. PWR States power condition of the device.

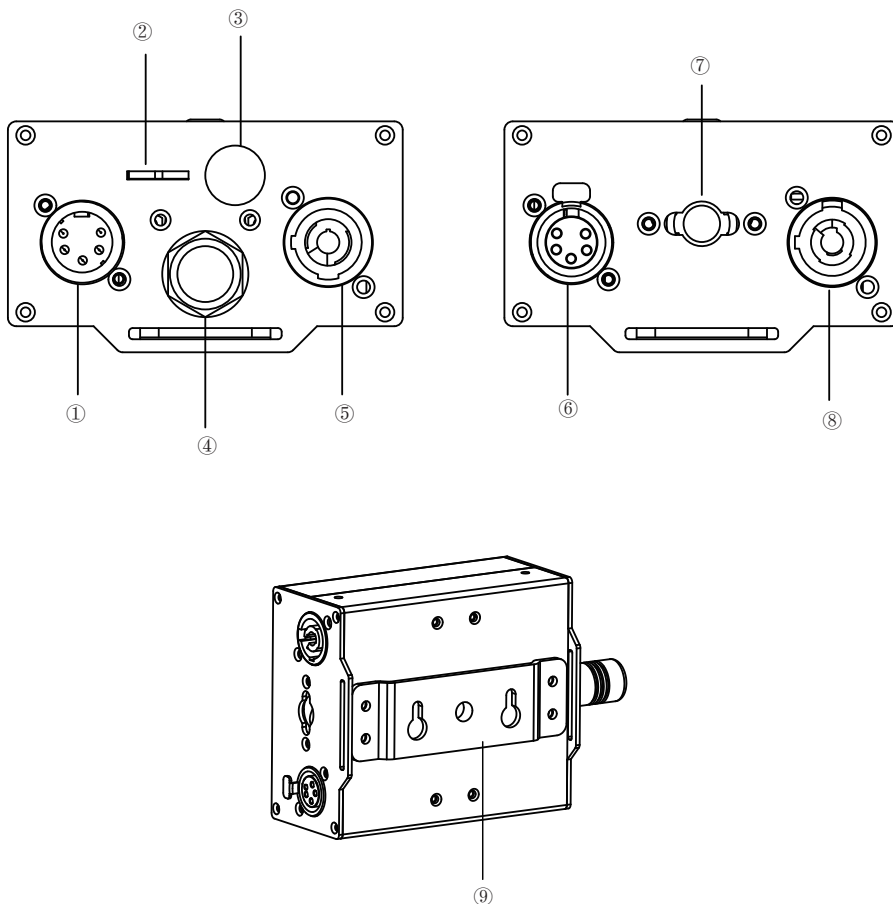**7. RX** Device is operating as a receiver.

8. DATA • Off: No data
   • Green: DMX data
   • Red: RDM activity

9. RLS Clear connection indication
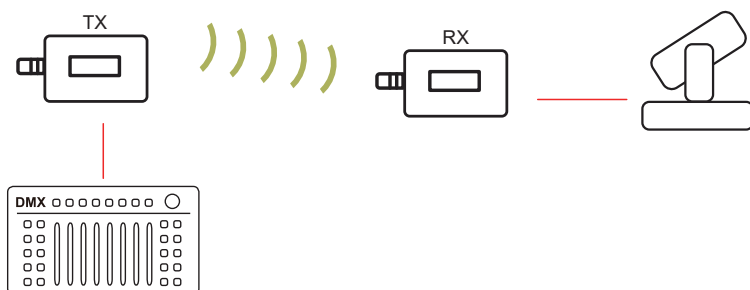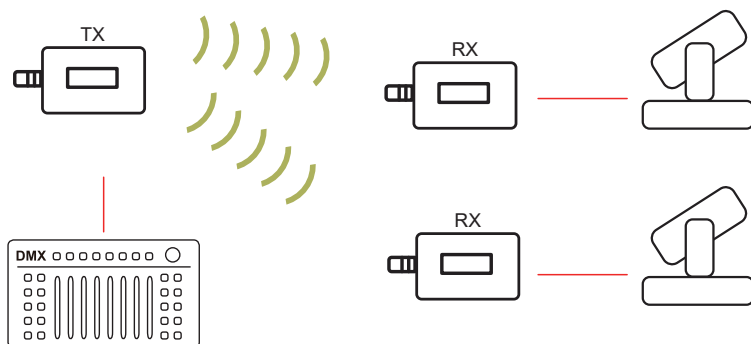
10. UNV pending function

11. Function button

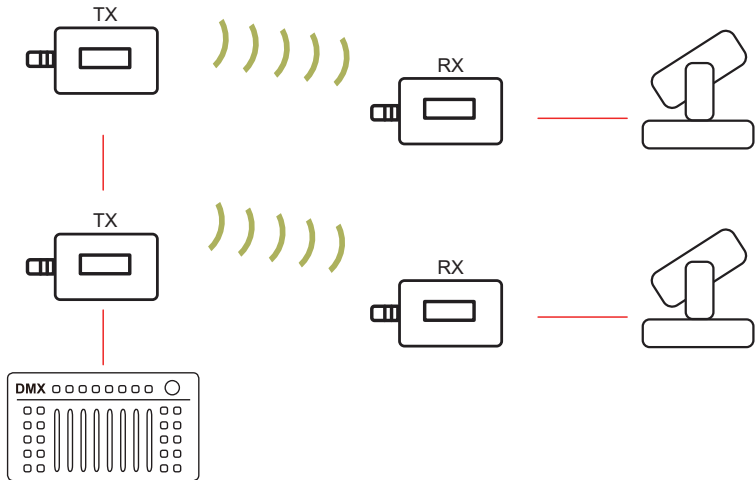## Product Overview

1. DMX IN
2. Safety wire attachment point
3. FUSE
4. ANTENNA
5. POWER IN

6. DMX OUT
7. Fast lock
8. POWER OUT
9. Holes for Wall Mounting

Wireless DMX Operation

Point-to-point operation:

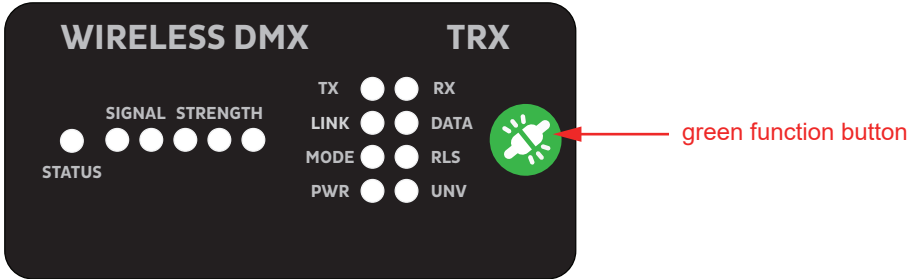**Point-to-multipoint operation:**

Multipoint-to-multipoint operation:

Operation

1. Linking Devices

Momentarily press the green function button on the transmitter and the LINK LED will begin to flash.

NOTE: All available receivers that are powered on and compatible with the transmitter's radio mode will automatically pair with it. Each receiver's LINK LED will flash for 5 seconds and then remain steadily lit once linked. There is no limit to the number of receivers that can be paired with a single transmitter.

2. Unlinking devices
There are two ways to unlink devices – individual or group unlink:

Individual unlink:
Press and hold the green function button on each receiver you want to unlink for at least 3 seconds. The LINK LED will then turn off.

Group unlink:
Press and hold the green function button on the transmitter for at least 3 seconds to unlink all currently powered receivers connected to it. The RLS indicator will also flash to indicate that the connection has been cleared.

3. Linking multiple transmitters with multiple receivers
When linking multiple receivers to different transmitters, repeat the process described previously, but ensure that any receivers you do not want to pair are turned off.

Example:

If you have 2 transmitters and 10 receivers, first pair the first transmitter with 5 receivers while the other 5 are powered off.

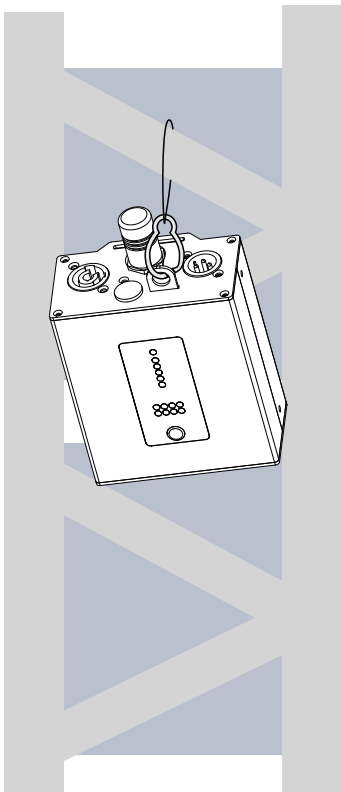Then, turn on the remaining 5 receivers and pair them with the second transmitter.

NOTE: This will not affect any receiver that has already been paired..

4. Switching FLEX mode
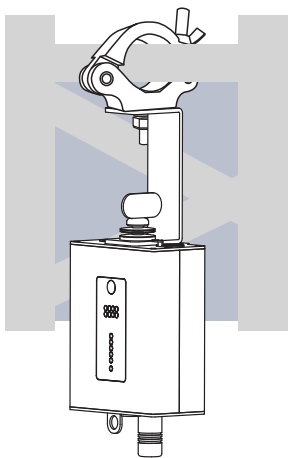FLEX mode determines if the unit is used in transmit mode (TX) or receive mode (RX):

Press and hold the Function button while powering on the device. The Status indicator will light up. Press the Function button to toggle between modes. After selecting the desired mode, press and hold the Function button for more than 3 seconds; the Status indicator will turn off, and the device will enter the selected mode. To change the mode again, power off the device and repeat this procedure.

Mounting

01. Safety wire

There is a dedicated point for safety wire attachment.

02. Omega with fast lock

Safety information

- This device is suitable for indoor use only.
- All modifications to the device will void the warranty.
- Repairs are to carry out by skilled personnel only.
- Only replace fuses with identical types, and swap components only with certified spare parts.
- Protect the unit from rain and humidity to avoid fire and electric shocks.

FOR SAFE AND EFFICIENT OPERATION

Heat and Temperature:
Avoid exposing the unit to direct sunlight or placing it near heating appliances.
Do not use the unit with ambient temperatures below 0°C or above 55°C.

Humidity, Water and Dust:
Keep the unit away from high humidity and dusty environments.
Do not submerge in water or install in wet environments.

Environmental:
Avoid placing the unit near transformers, motors, tuners, TVs, or amplifiers.

Stable Placement:
Always place the unit on a level, stable surface to prevent vibration or accidental falls.

Cleaning:
Do not use chemicals or volatile liquids.
Wipe dust with a clean, dry cloth, or use a soft damp cloth for stubborn dirt.

Malfunctions:
If the unit malfunctions, immediately disconnect the power.
Do not open the device yourself, as this may result in electric shock.

Power Cable:
Always disconnect by holding the plug, not by pulling the cable.
If the unit will not be used for an extended period, unplug it from the power source.

Important: Damage caused by ignoring this manual is not covered under warranty.
The dealer will not accept liability for defects or problems resulting from misuse.