

Wireless Transmission For Elevator

User Manual

***The default value of digital code pairing is done before delivery.
If the transmission isn't available, please accord below steps to re-pairing again***

Pairing process

Press the pair keys of transmitter and receiver. Both of them will search each other to finish setting with encryption. when the "Link" light is on, that means successful.

Note:

1. The pairing is successful after delivery.
2. After successful pairing process, while the Link light is off, it shows that there is no connection between the transmitter and the receiver. It means the transmission range is a little too far to connect between the transmitter and the receiver. The reception between the transmitter & the receiver is not stable. Please reduce the distance between the transmitter and the receiver until it works.

Notes :

- a. Please connect antenna to Transmitter / Receiver firstly then power on.
- b. Panel antenna is directional. Please keep both Panel antennas face - to - face
- c. Elevator moves fast for passengers.
Before installation, please make sure the elevator operation is under controlled by elevator manager.
- d. Please confirm the power supply voltage from elevator system is available for our wireless devices.

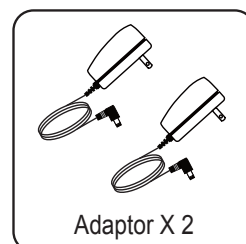
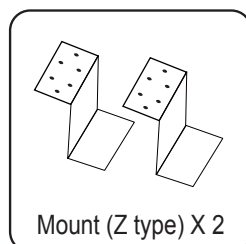
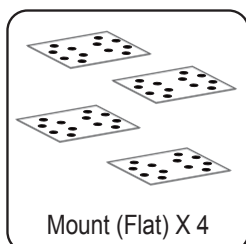
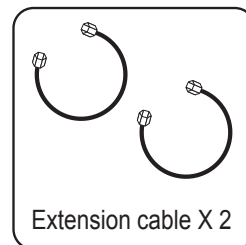
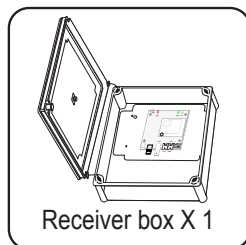
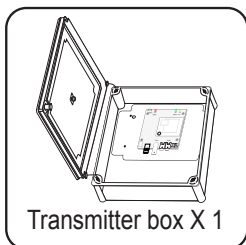
I. Introduction

Wireless transmission for elevator is an easy solution for CCTV in elevator. Transmitting Video + Audio + RS485 Data for PTZ camera. Cable - free, cost effective and easy maintenance.

II. Feature

- Interference free
- Auto pairing with ID
- Video, Audio and RS485
- Simple installation and setup
- Easy to maintain
- Long distance transmission

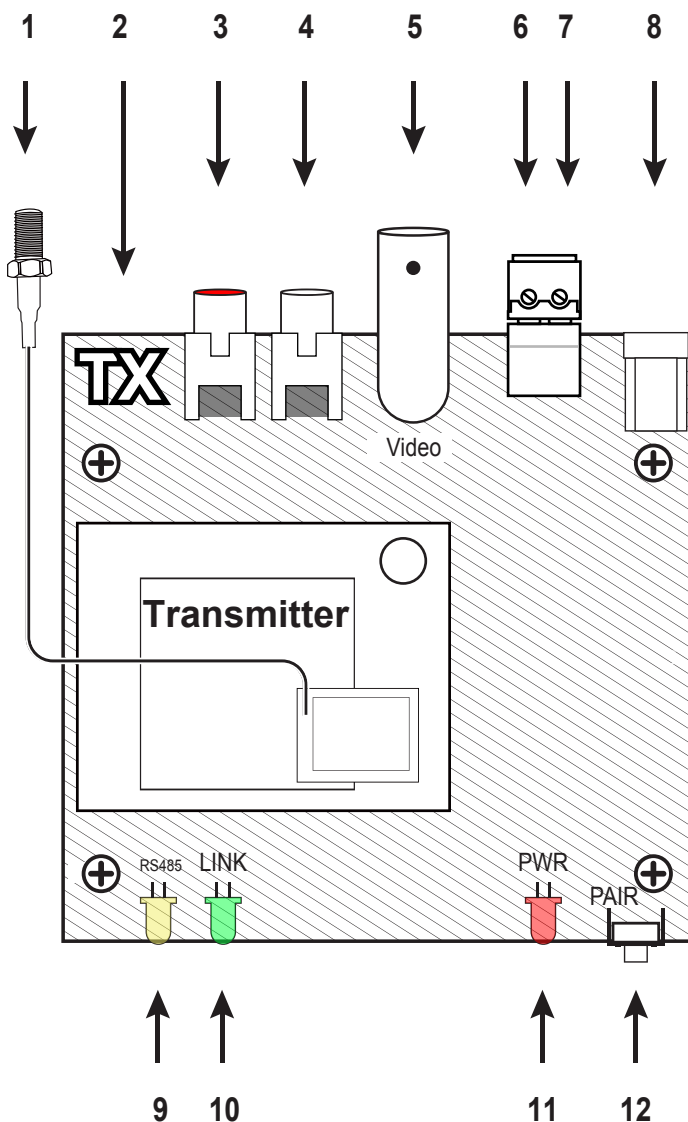
III. Standard Packing :



IV. Transmitter / Receiver

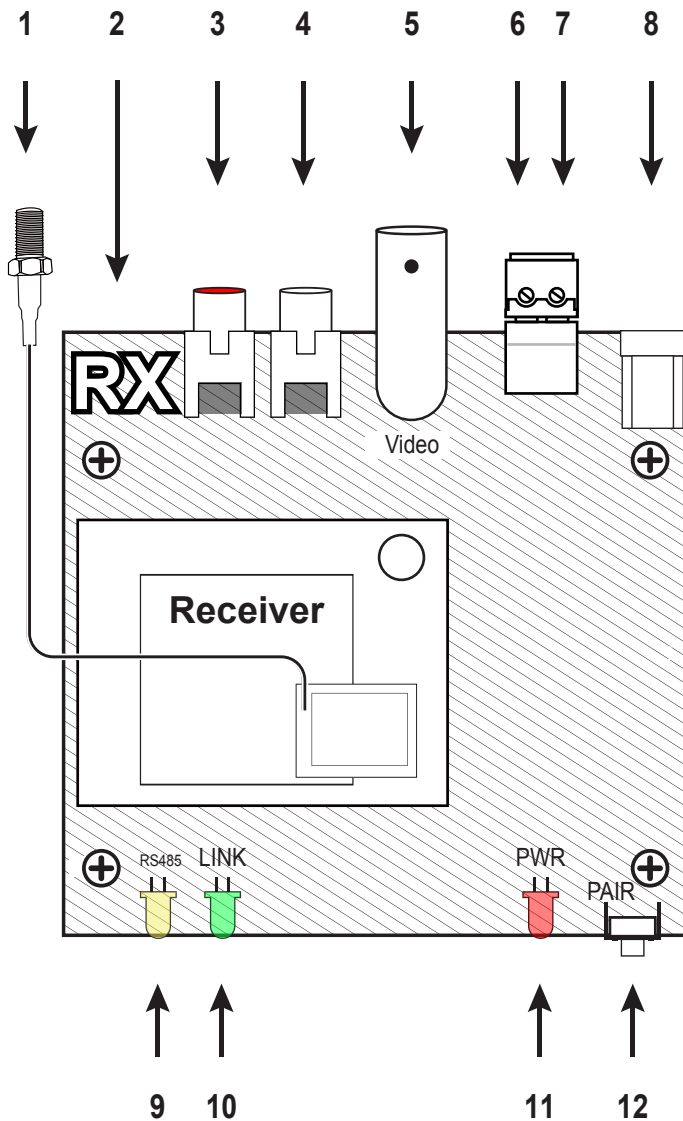
Transmitter / Receiver are both built-in the boxes. Together with the boxes, Please keep Transmitter / Receiver away from water, dirt, collision, ...or any other damage. Before touching Transmitter / Receiver, please wear gloves to anti-static electricity.

a. Transmitter



1. To antenna
2. TX means Transmitter
3. Audio(Right) input (RCA Connector)
4. Audio(Left) input (RCA Connector)
5. Video input (BNC Connector)
6. RS485 Output -
7. RS485 Output +
8. DC input (5.5 Ø DC JACK)
9. Data LED (YELLOW)
10. Link LED (GREEN)
11. Power LED (RED)
12. Pair button

b. Receiver

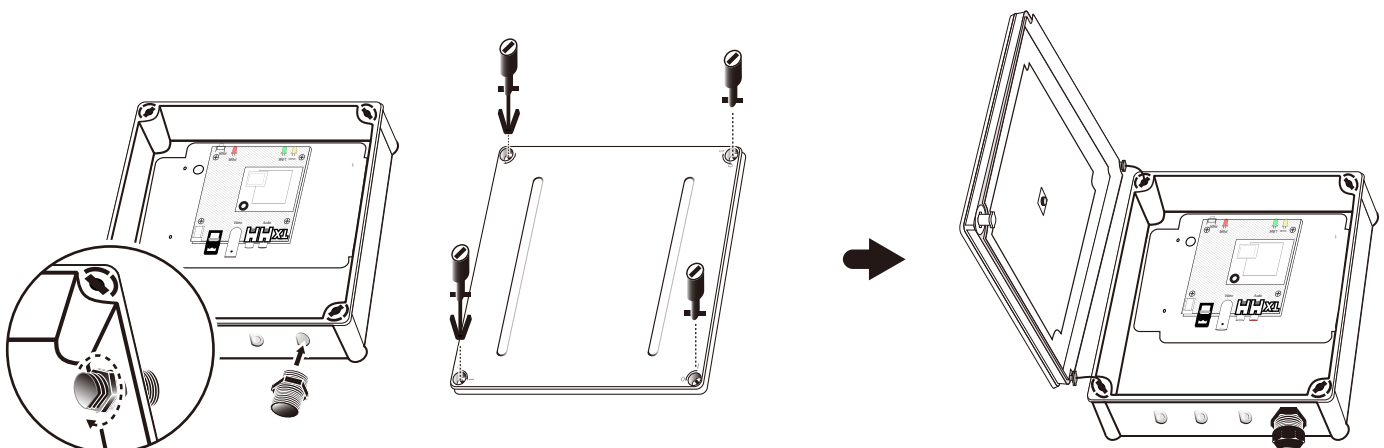


1. To antenna
2. RX means Receiver
3. Audio(Right) input (RCA Connector)
4. Audio(Left) Output (RCA Connector)
5. Video output (BNC Connector)
6. RS485 input -
7. RS485 input +
8. DC input (5.5 Ø DC JACK)
9. Data LED (YELLOW)
10. Link LED (GREEN)
11. Power LED (RED)
12. Pair button

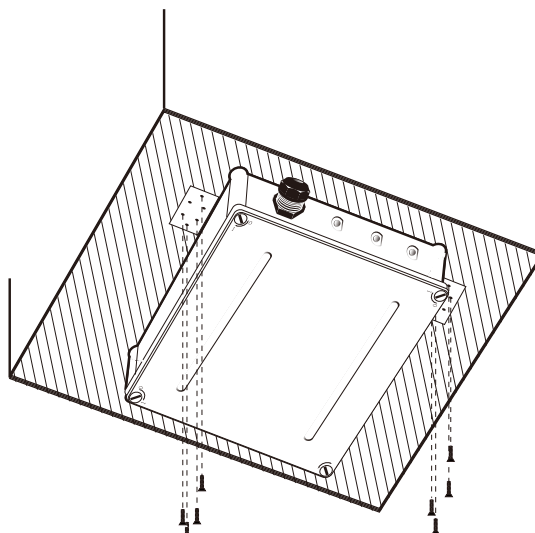
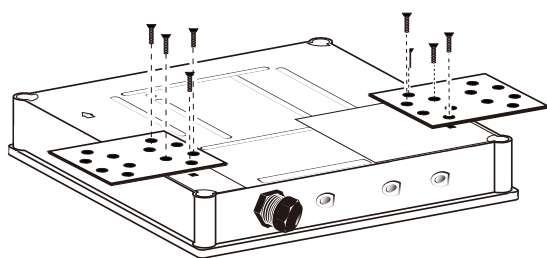
V. Installation

(TRANSMITTER)

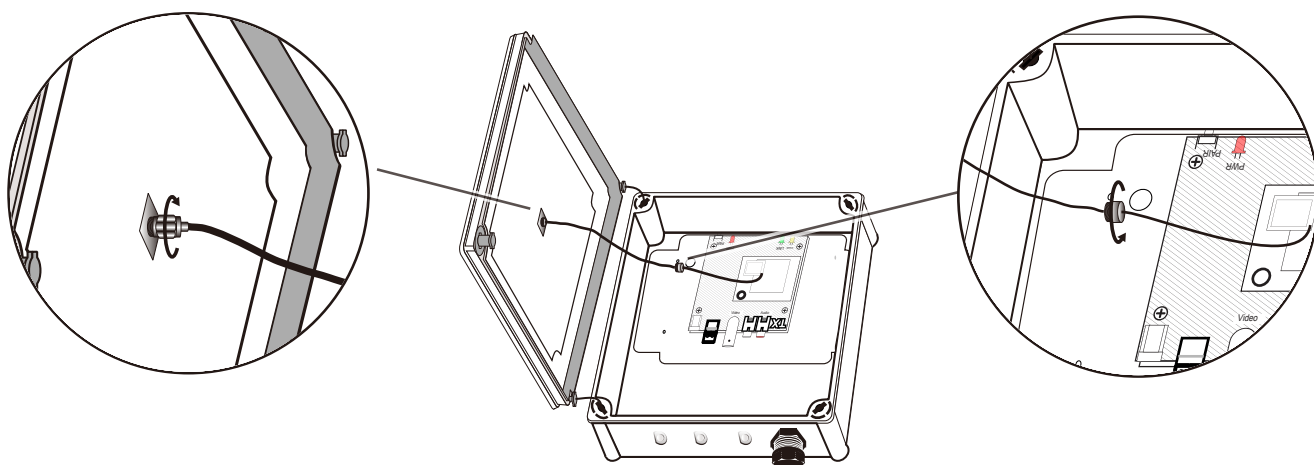
1. Install waterproof cable gland, fixed boards and antenna accessory on transmitter box.



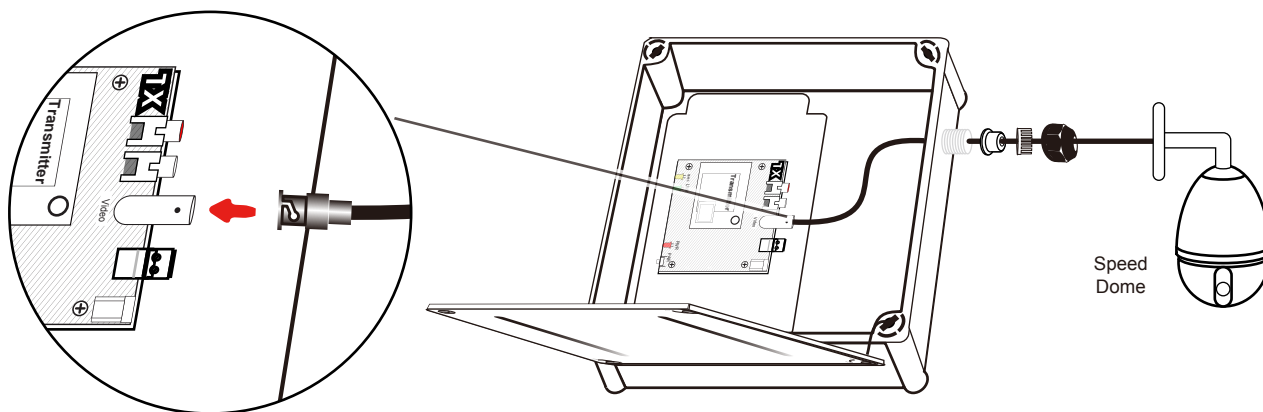
2. Locate transmitter box on the elevator.
(Depending situation on bottom or top)



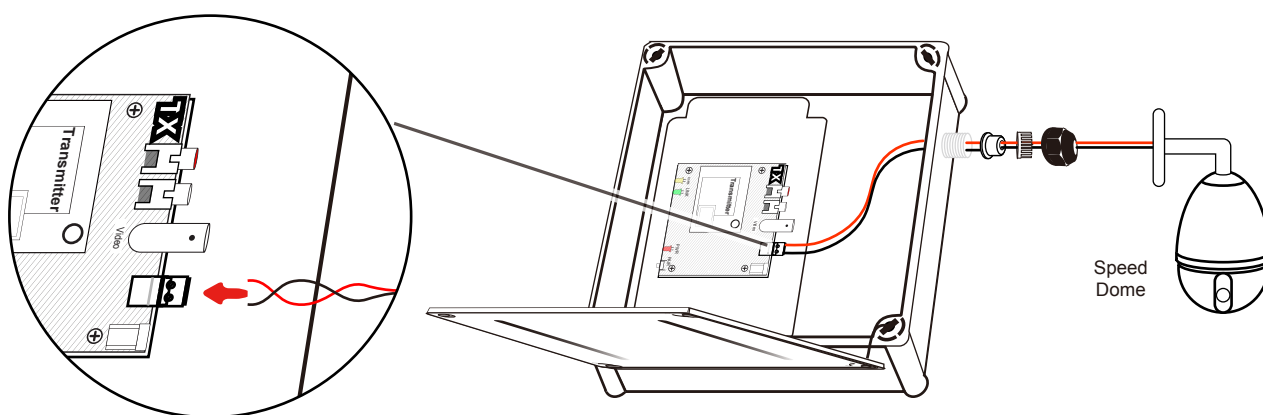
3. Connect antenna extension cable.



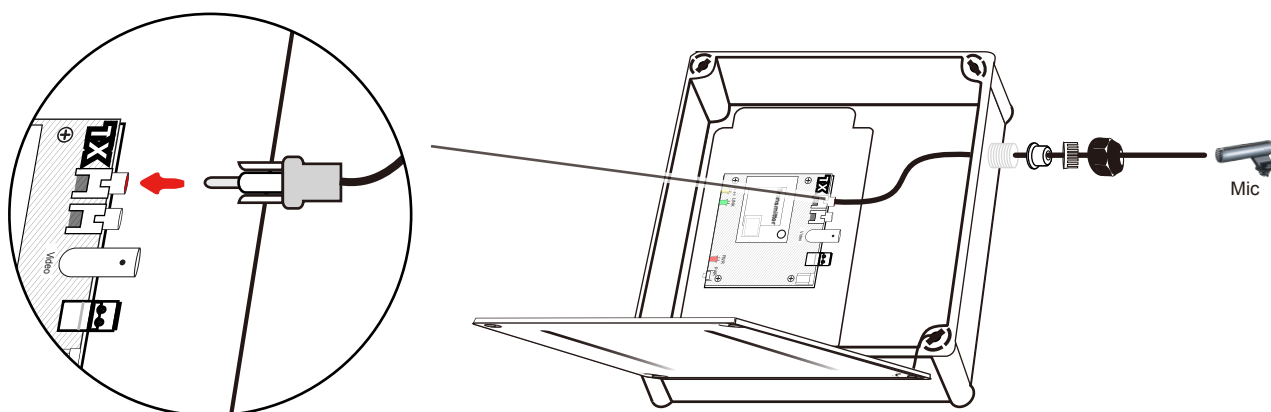
4. Feed video signal cable through cable gland to connect with transmitter.



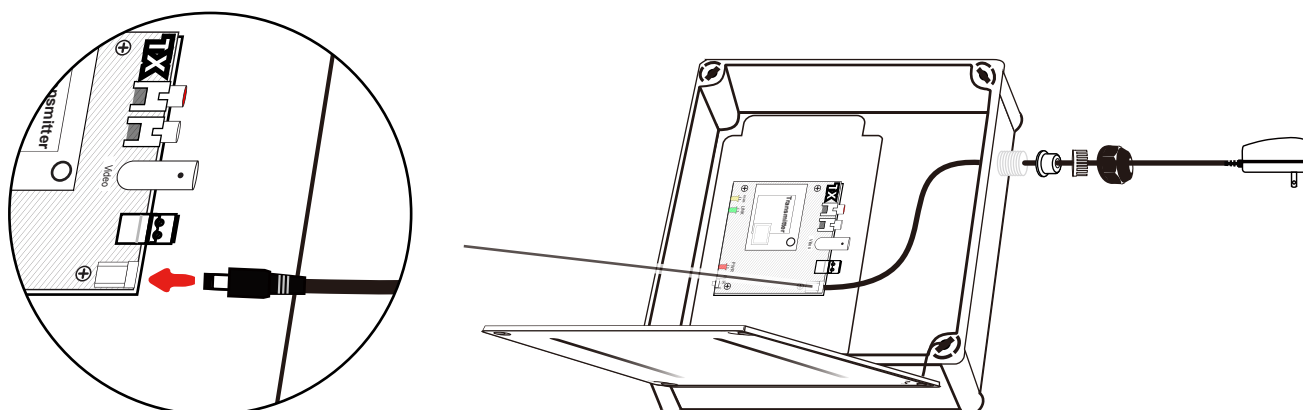
5. Feed RS485 signal cable through cable gland to connect with transmitter.



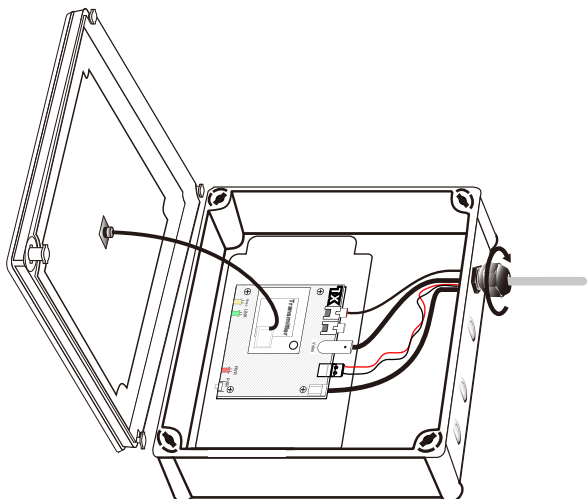
6. Feed audio signal cable through cable gland to connect with transmitter.



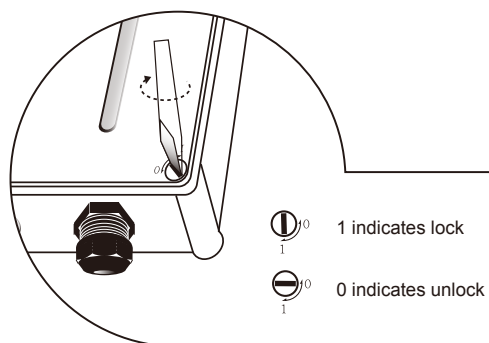
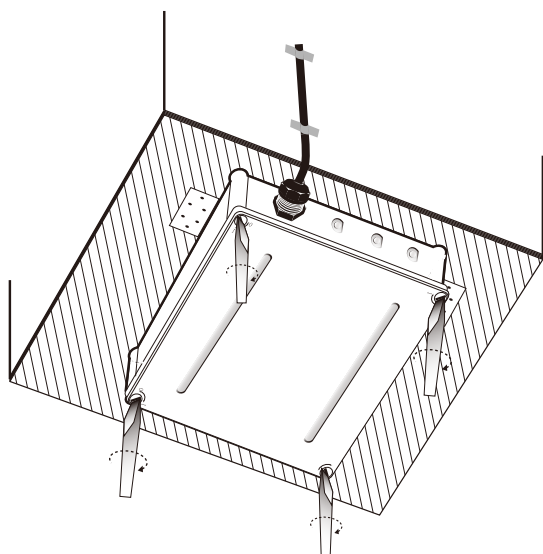
7. Feed power cable through cable gland to connect with transmitter.



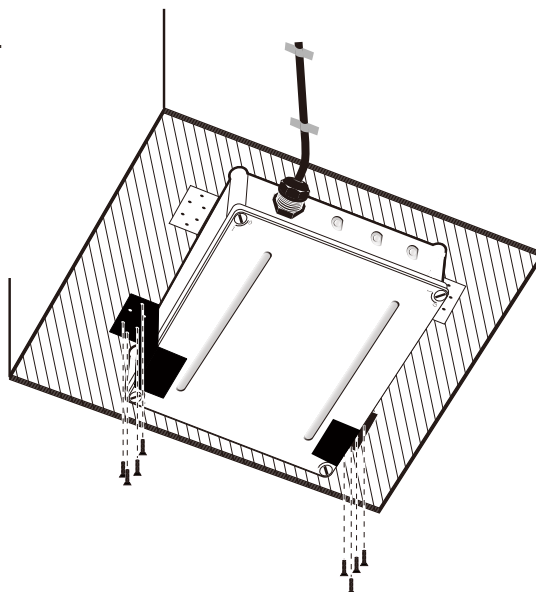
8. Tighten cable gland



9. Close and fasten

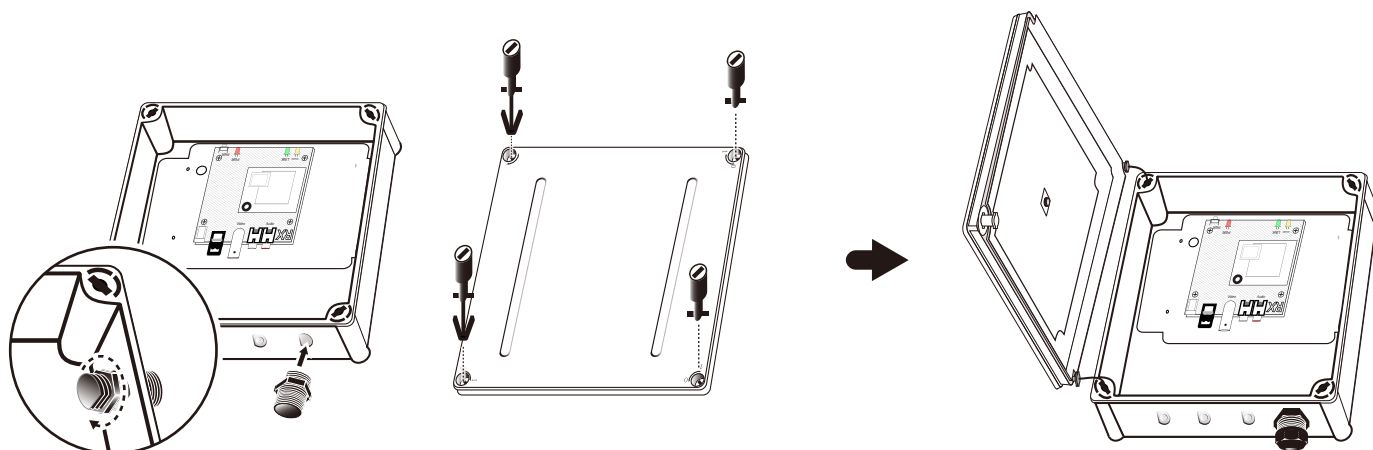


10. Use brackets to fix on elevator.

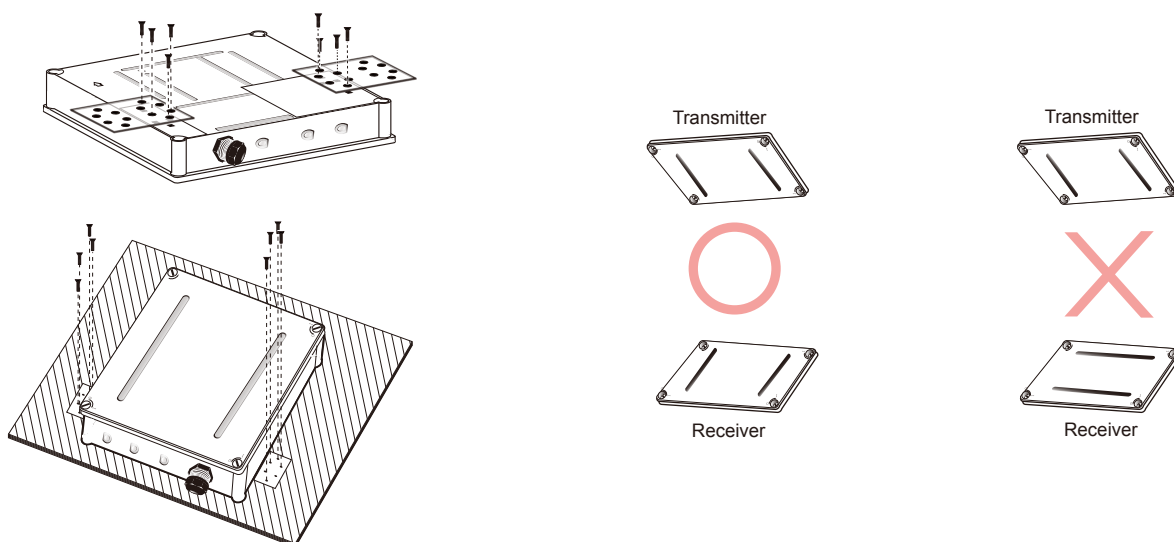


(RECEIVER)

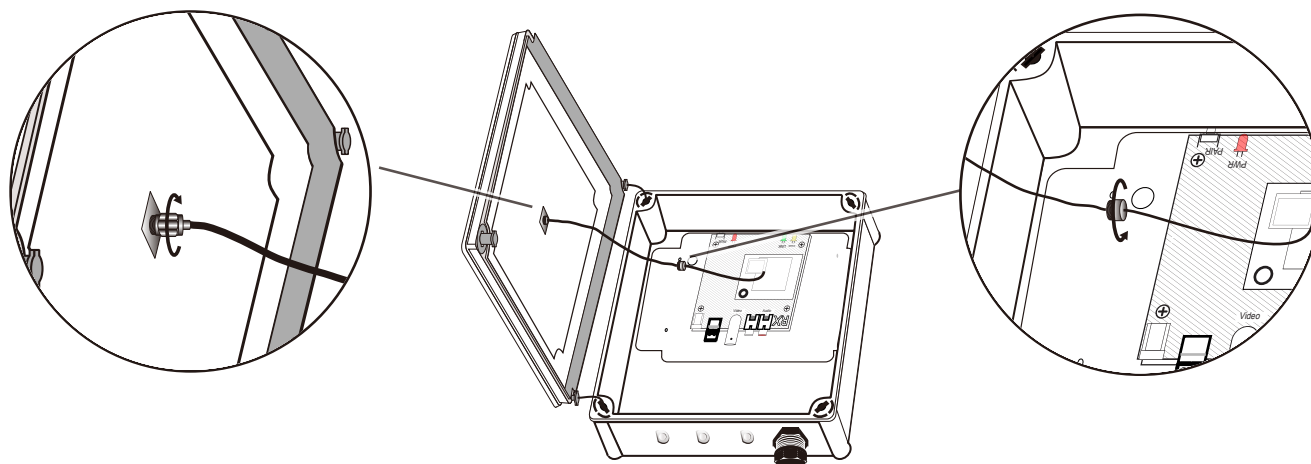
1. Install waterproof cable gland, fixed boards and antenna accessory on receiver box.



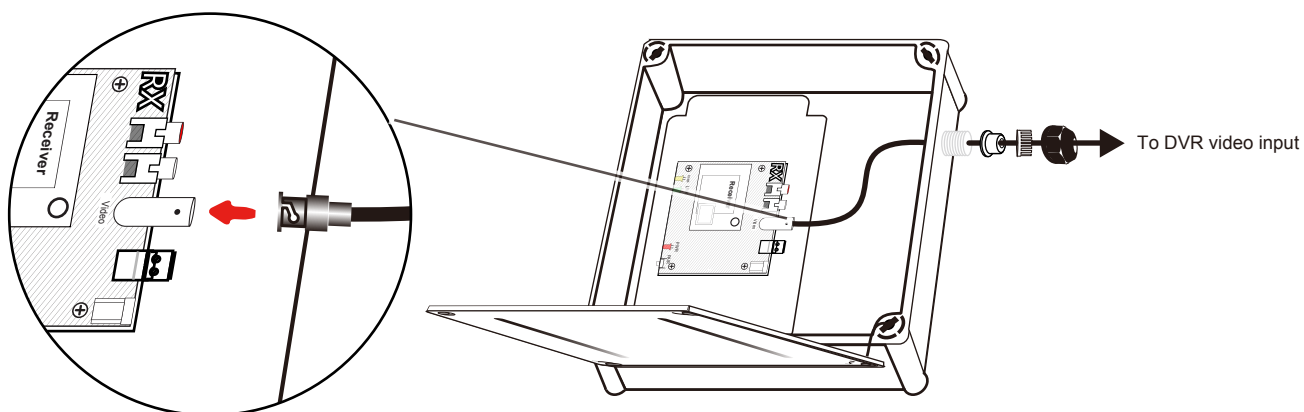
2. Locate receiver box on the elevator pit.
(Please notice the grooves of transmitter and receiver are at the same direction.)



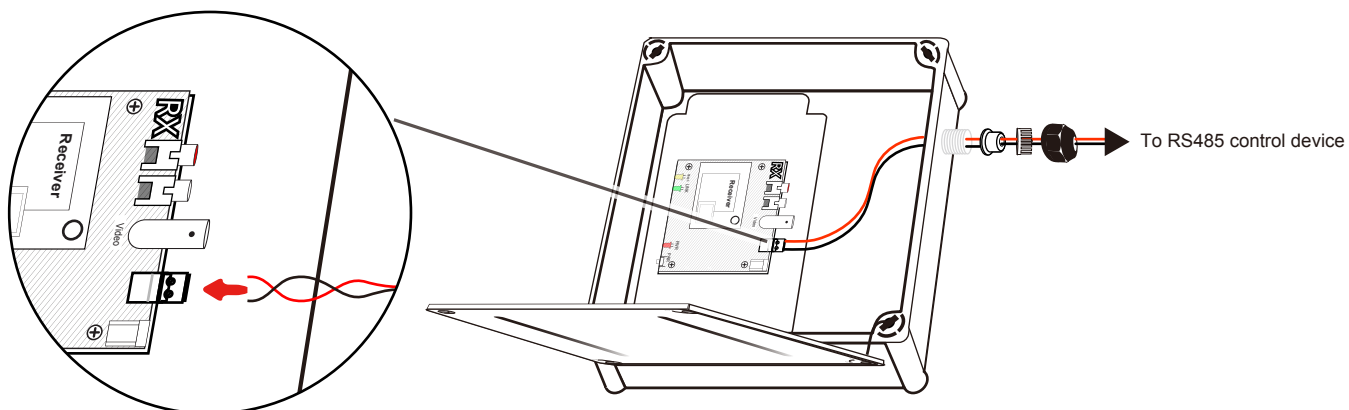
3. Connect antenna extension cable.



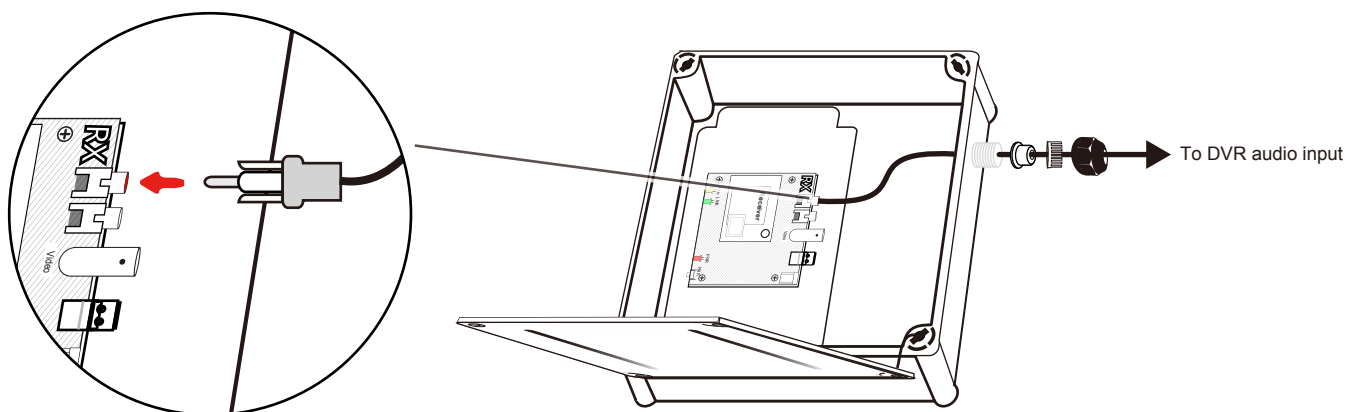
4. Feed video signal cable through cable gland to connect with Receiver.



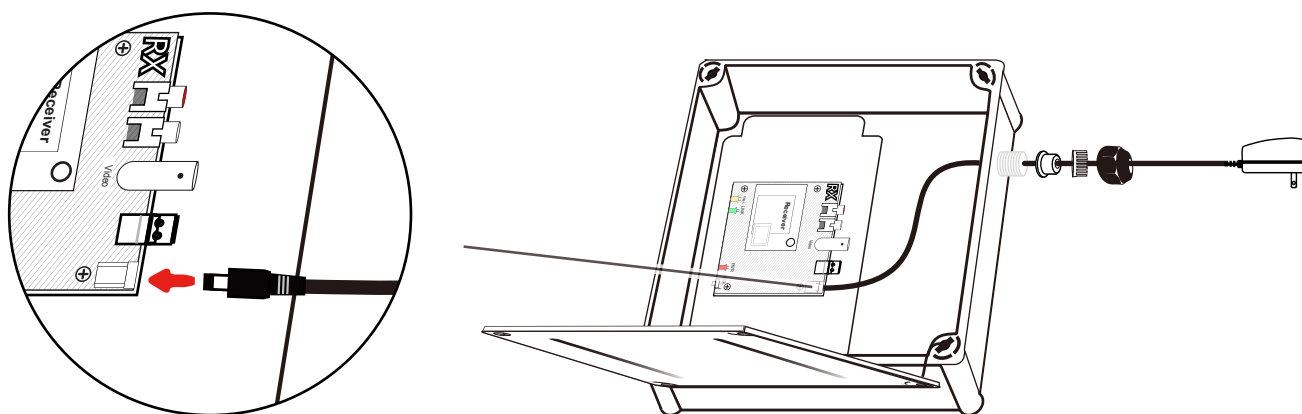
5. Feed RS485 signal cable through cable gland to connect with Receiver.



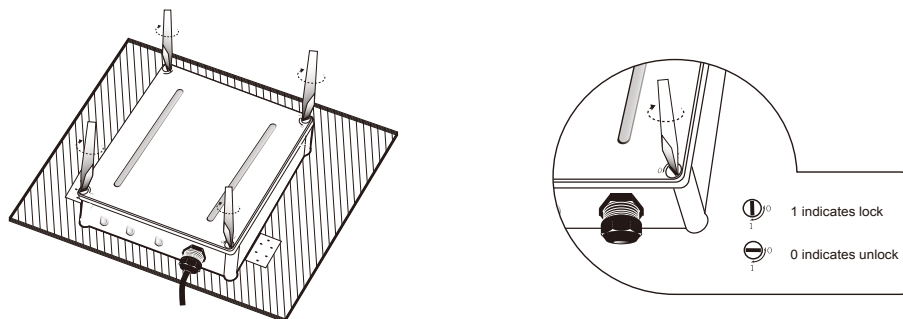
6. Feed audio signal cable through cable gland to connect with Receiver.



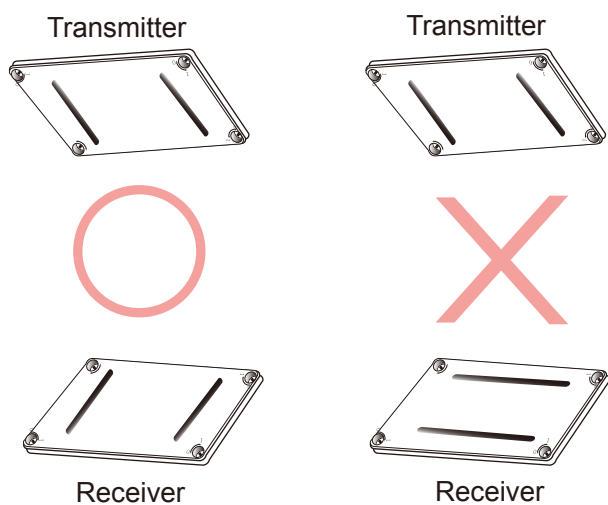
7. Feed power cable through cable gland to connect with Receiver.



8. Close and fasten



Notice : Please make both (Transmitter / Receiver) **face to face** and keep them on the **same direction**.



VI. Specification

	Transmitter	Receiver
Operation frequency range	2.400 ~ 2.483 GHz	
Channel switch	FHSS mode / Auto channel selection	
Video Resolution	NTSC : 720 X 480 / PAL : 704 X 576	
Modulation	16QAM	
Data rate	Up to 12Mbps	
Video connector	BNC connector	
Audio connector	RCA connector	
RS485 baudrate	1200/2400/4800 by auto	
RS485 control protocol	PELCO D / PELCO P	
Latency	500mS MAX	
Supply voltage	DC 9 ~12 V	DC 9 ~12 V
Supply current	300mA @ 12V	300mA @ 12V
Output power / Sensitivity	18 +/-2 dBm	-80 dBm
Video input / output level	1 Vp-p @75 ohm	1 Vp-p @75 ohm
Audio input / output level	2.4 Vp-p @ 75 ohm	2.2 Vp-p 75 ohm

Panel antenna	
Gain	14dBi
Beamwidth horizontal	20 degree
Beamwidth vertial	20 degree
V S W R	≤ 1.5 : 1
Impedance	50Ω ± 5Ω
Operation temperature	-10°C ~ +50°C
Measurement	253(L) x 253(W) x 70mm(H)