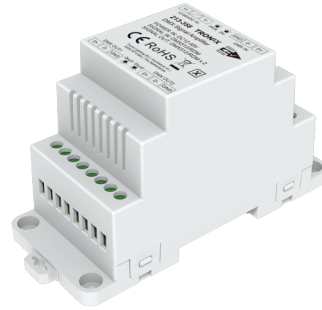


**213-358**

## DMX&RDM Signal Amplifier

## Features

- One DMX512&RDM signal input, two DMX512&RDM signal output.
- Dedicated to amplify, distribute and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512&RDM(or RS-485).
- Realize extending DMX512&RDM signal transmission distance.
- Signals expansion output control, increase DMX&RDM (485) signal amplifier to distribute multi-channel control.
- Supports bi-directional communication for addressing and controlling RDM devices.
- Optical isolation between the input and output terminals, and between the output terminals, prevents damage to the device due to incorrect wiring, and also prevents signal interference between devices.

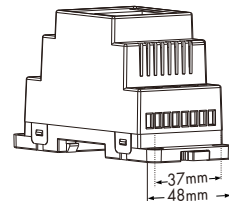
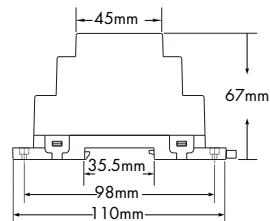
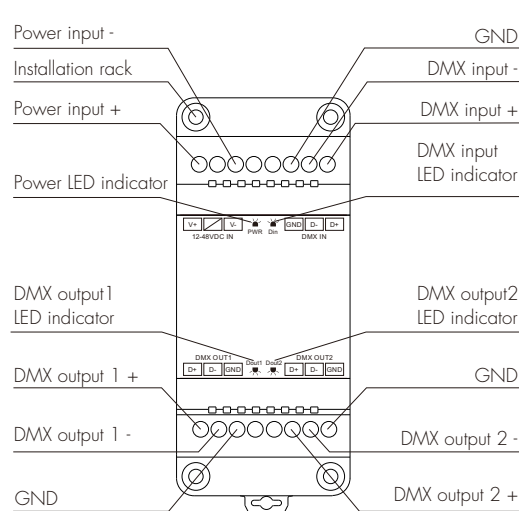


CE RoHS

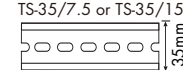
## Technical Parameters

| Input and Output |                  | Environment            |                   | Safety and EMC  |                                                       |
|------------------|------------------|------------------------|-------------------|-----------------|-------------------------------------------------------|
| Input voltage    | 12-48VDC         | Operation temperature  | Ta: -30°C ~ +55°C | EMC standard    | EN 61347-1/-2                                         |
| Input current    | 0.5A Max.        | Case temperature(Max.) | Tc: +65°C         | Safety standard | EN IEC 55015/EN IEC 61547<br>ETSI EN 301 489-1/-3/-17 |
| Input signal     | DMX512 & RDM     | IP rating              | IP20              | Certification   | CE RoHS                                               |
| Output signal    | DMX512 & RDM x 2 | Warranty               |                   | Package         |                                                       |
|                  |                  | Warranty               | 5 years           | Size            | L120 x W78 x H55mm                                    |
|                  |                  | Protection             | Reverse Polarity  | Gross weight    | 0.127kg                                               |

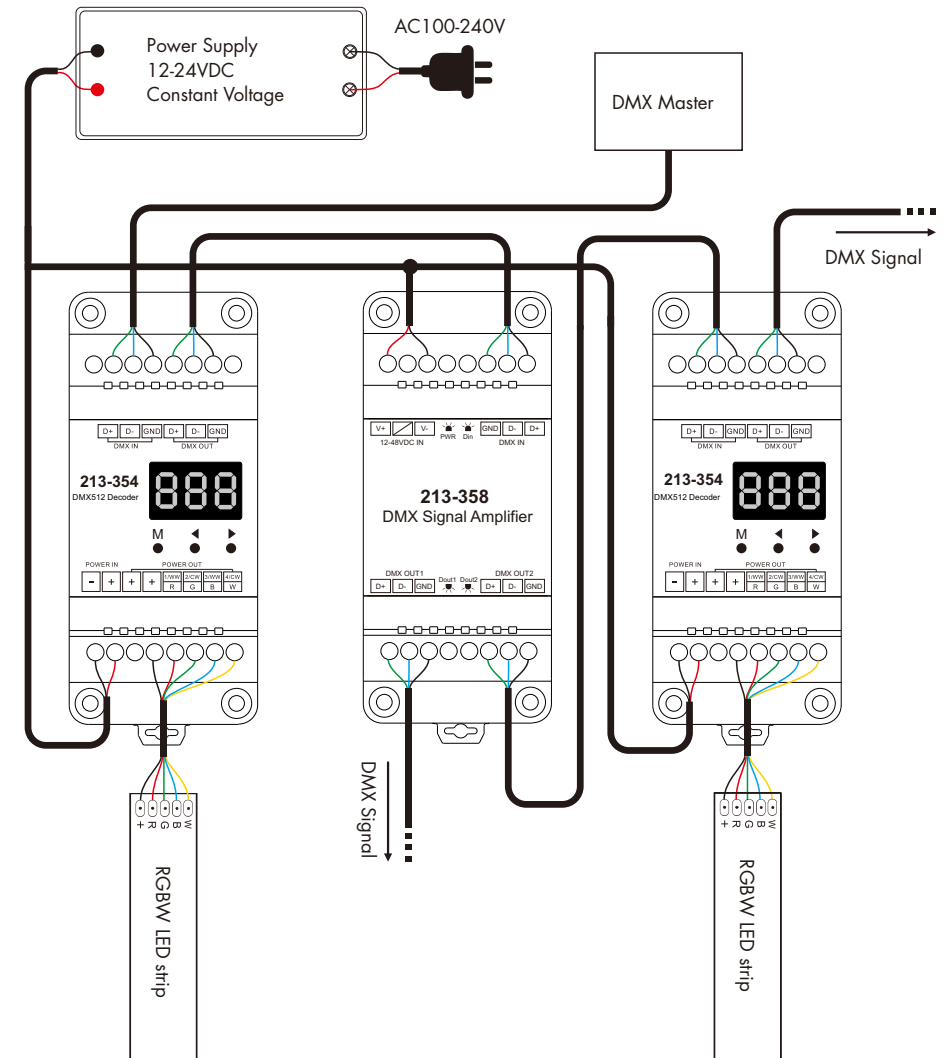
## Mechanical Structures and Installations



DIN Rail Mounting Size:



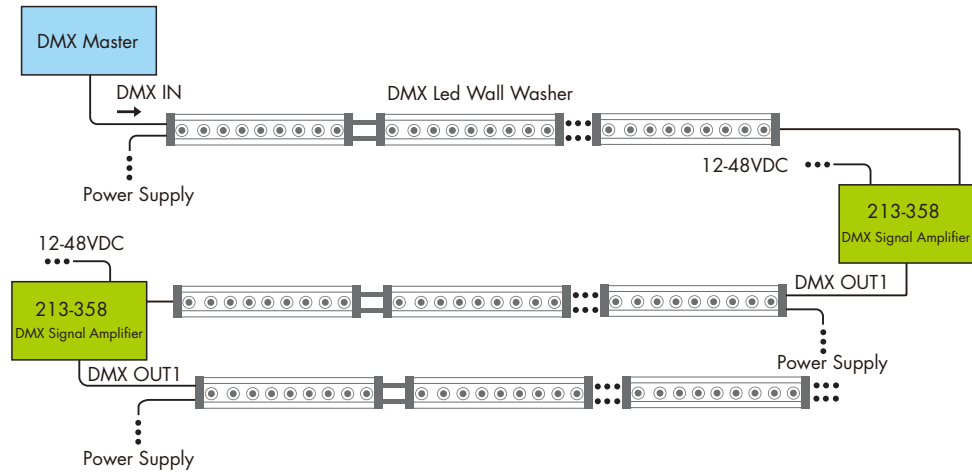
## Wiring Diagram



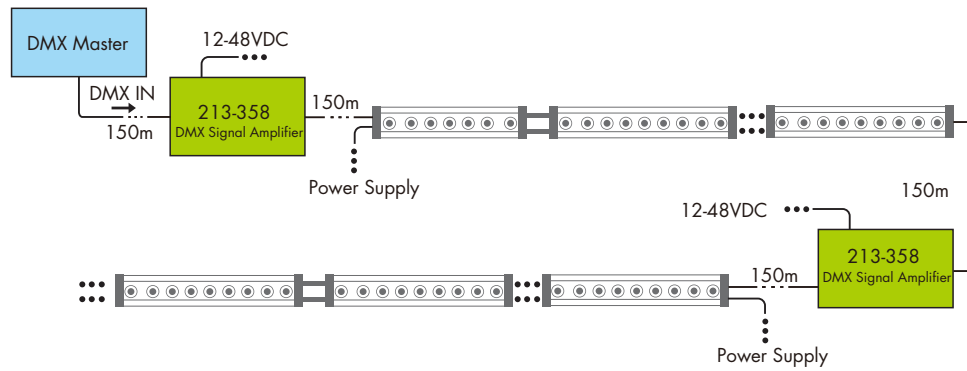
Note:

1. An DMX&RDM amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.
2. If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each DMX&RDM line.

A. The signal of many of DMX LED lights connection example:



B. The long distance of DMX signal example:



C. The distribution of DMX signal example:

