



Signal Amplifier

GTD-AMP8

User's Manual

Guangzhou GTD Lighting Technology Co., Ltd.

Tel: +86-20-61808296

Fax: +86-20-61812282

<http://www.gtd-lighting.com>

©2017 GTD all rights reserved. Information, specifications, diagrams, images, and instructions herein are subject to change without notice. GTD logo and identifying product names and numbers herein are trademarks of GTD. Copyright protection claimed includes all forms and matters of copyrightable materials and information now allowed by statutory or judicial law or hereinafter granted. Product names used in this document may be trademarks or registered trademarks of their respective companies and are hereby acknowledged. All non-GTD brands and product names are trademarks or registered trademarks of their respective companies.

GTD and all affiliated companies hereby disclaim any and all liabilities for property, equipment, building, and electrical damages, injuries to any persons, and direct or indirect economic loss associated with the use or reliance of any information contained within this document, and/or as a result of the improper, unsafe, insufficient and negligent assembly, installation, rigging, and operation of this product.

Contents

Safety instructions	3
General guidelines	4
Packing and shipping	4
Unpacking	4
Packing after use.....	4
Accessories	4
Product introduction	5
Power / Control connection	5
Power connection	5
Control connection	5
Testing	5
Control panel	6
Technical specification	6
System wiring diagram	6
Spare parts list	7
Appendix 1	7

Safety instructions

	<p>WARNING!</p> <p>Before using the fixture, read the latest version of the product user manual, paying particular attention to the safety instructions. Please check www.gtd-lighting.com for the latest revision/update of the user manual. The manufacture of this fixture, are not responsible for damages, resulting from misuse of this fixture, due to the disregard of the information printed in this user manual.</p>
	<p>DANGER!</p> <p>Hazardous voltage. Risk of lethal or severe electric shock.</p>
	<p>WARNING!</p> <p>Burn hazard. Hot surface. Do not touch.</p>
	<p>WARNING!</p> <p>Fire hazard.</p>
	<p>INDOORS USE ONLY!</p> <p>Do not expose fixture for rain and moisture.</p>
	<p>It's essential that the fixture is properly grounded. Only qualified personnel should perform electrical connections.</p>

- Only qualified and certified personnel should perform installation of this fixture and only the original rigging parts (brackets) included with this fixture should be used for installation.
- Before applying power to the fixture, check that the source voltage matches the fixture's requirement. Every fixture must be earthed (grounded) and installed in accordance with local electricity regulations. Do not connect it to a dimmer system.

General guidelines

- Never open this fixture while in use.
- The fixture should be kept clean. **DO NOT** operate the fixture in extreme heat or dusty environments. Avoid contact with chemical liquid.
- This fixture is a professional light effect designed for **INDOOR / DRY LOCATIONS ONLY** on stage, in nightclubs, theatres, etc.
- **Maximum** temp of the external surface **140°F (60°C)**.
- **Maximum** ambient temperature **113°F (45°C)**.
- Disconnect the fixture from power before changing any parts or accessories.
- The fixture is only intended for installation, operation and maintenance by qualified professional. Instructions stated in the manual must be complied.
- Broken or damaged cables can only be fixed or changed by certified technicians, certified local distributors or the manufacturer to ensure operational safety.
- Do not modify the fixture or install other than GTD manufactured parts.
- For questions regarding safety operation, please contact our technical personnel or call the service hotline +8620 61808296.

Packing and shipping

Unpacking

Notes

All products are quality controlled and checked for any faults before they are dispatched to customers. If the fixture is damaged during delivery, the customer must notify the shipper and manufacturer to file a damage insurance claim. Photographic evidence of the damage must be provided.

Cardboard box

Open the box and take out the whole set of packaging foam which contains both the fixture and its accessories. Remove the foam from the top, put away the accessories, and then take out the fixture wrapped in the plastic bag.

Packing after use

1. Switch off the fixture and wait for at least 5 minutes before disconnecting it from AC power. Cool down the fixture for at least 5 minutes before packing.
2. Cardboard box: Wrap the fixture in plastic bags. Put it in the packaging foam along with all the accessories. Place the other set of packaging foam on top then carefully put it inside the cardboard box.

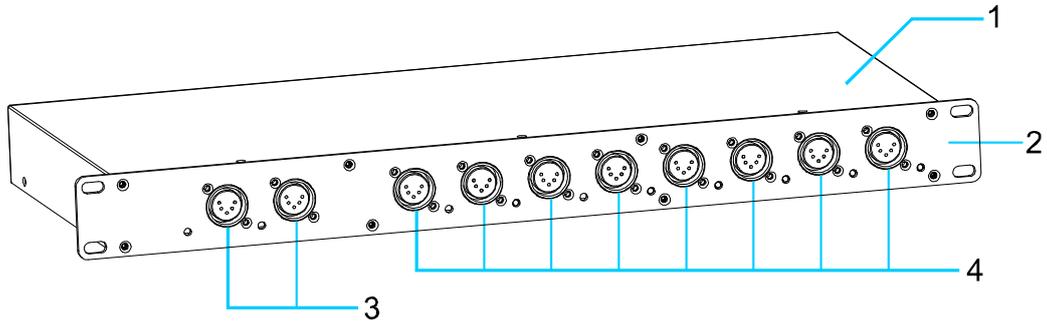
Accessories

Item	Qty	Unit	Notes
User Manual	1	pc	-
Power cable	1	pc	

Notes

Accessories are subject to change without any prior written notice.

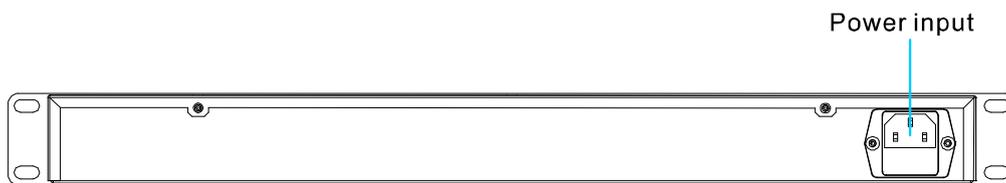
Product introduction



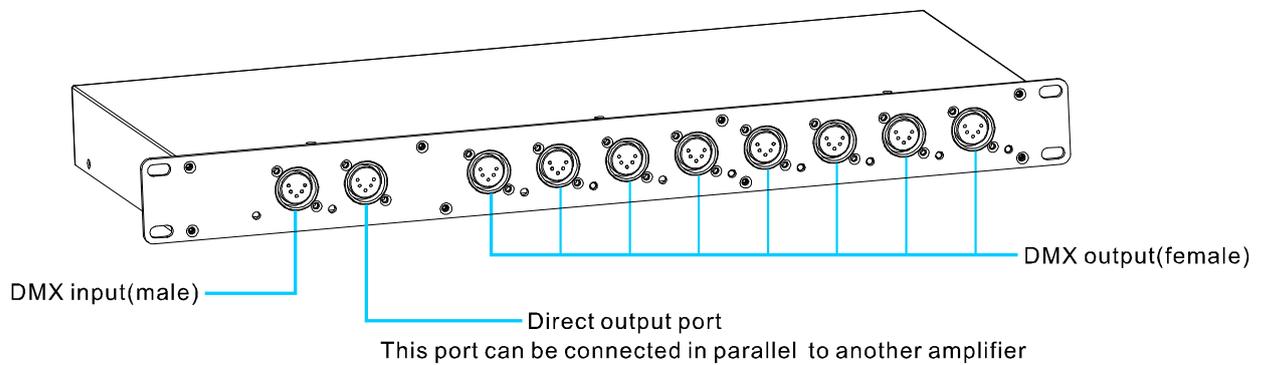
- 1 Cover
- 2 Control panel
- 3 DMX input
- 4 DMX output

Power/ Control connection

Power connection



Control connection



Testing

Connect the fixture to AC power. Check if the LED indicator is on before putting into operation.

Control panel

Panel description

- LED indicators:
 - Power on: When power is applied to the fixture, the Red power LED indicator will come on.
 - DMX on: When the fixture is receiving a DMX signal, the Green DMX indicator will come on.

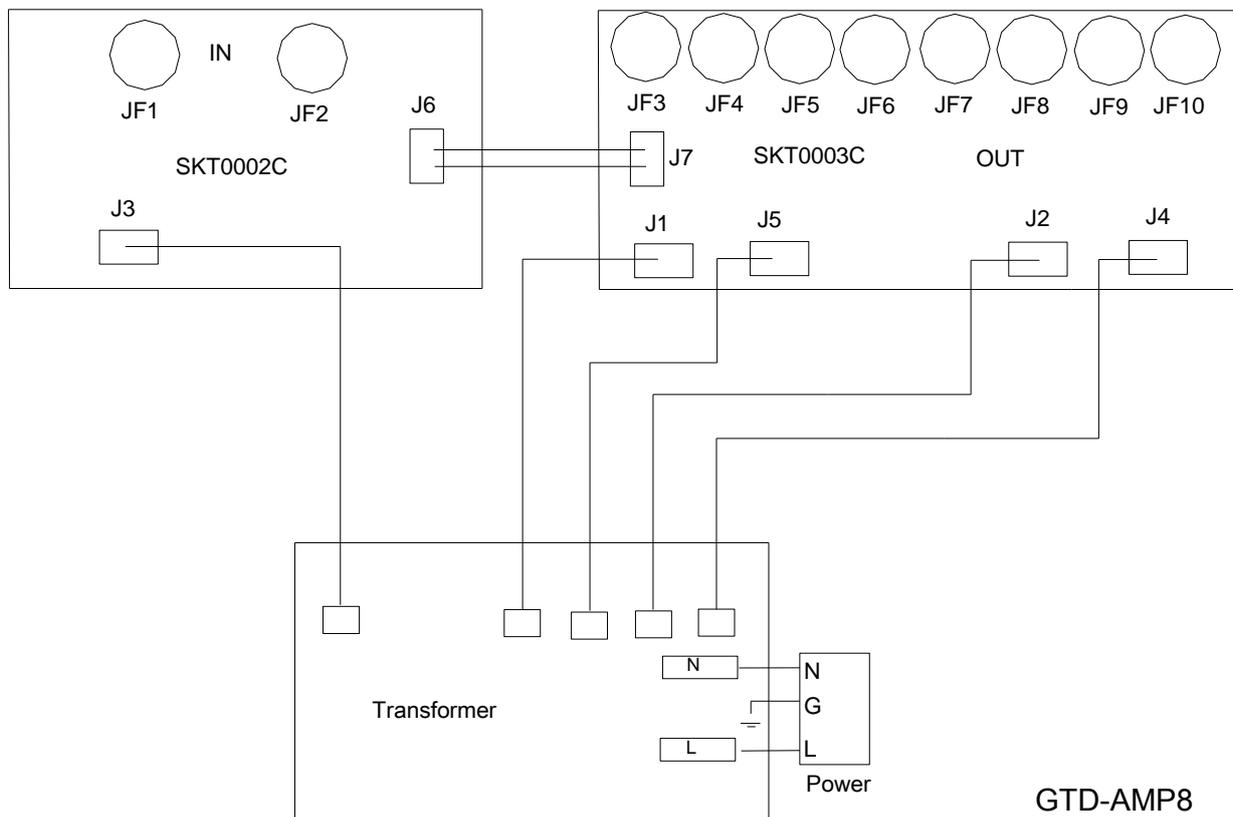
Functions description

- Input: 2- way DMX512 signal input (1 input and 1 direct output port)
- Output: DMX512 signals of 8 ways are non-interference, capable of shaping signals for long-distance transmission.
- Interface type: 5 or 3 pins XLR can be selected.
- Signal isolation: DMX512 signal input, DMX signal output, power and signal are isolated.

Technical specification

- Structure: Metal materials structure and can be installed in any safe position.
- Power input, nominal: AC 176-264V, 50/60Hz
- Max. Power consumption: 5.5W,
Max current: 0.03A, PF≥ 0.95
- Weight: 2.8 kg (6 lbs.)
- Working environment: -25°C to +45°C (-13°F to 113°F)

System wiring diagram

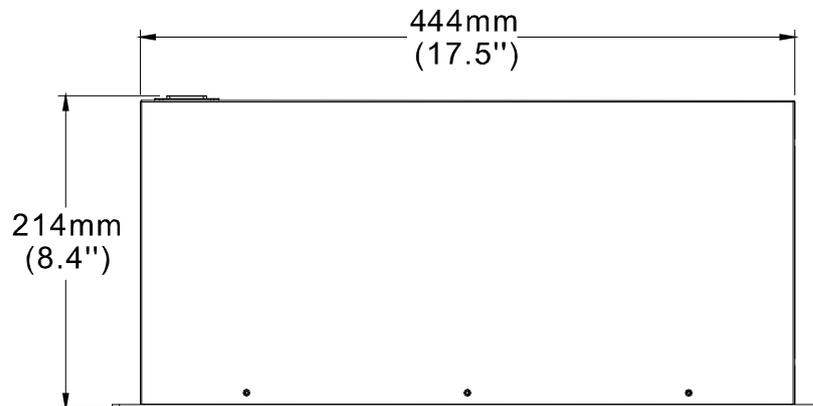
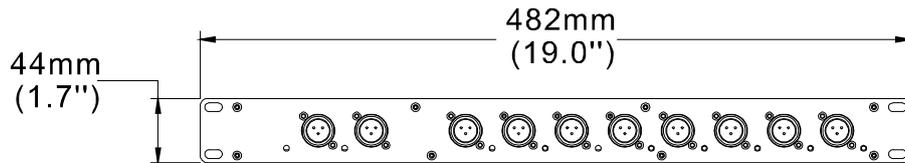


GTD-AMP8

Spare parts list

Item	P/N	Qty	Notes
XLR board 504A-1	5802910026A	4	SKL0504A
XLR board 505A-1	5802910027A	1	SKL0505A
Console board 504A-1	5802911004A	1	SKT0504A
Console board 503A-1	5802913003A	1	SKT0503A

Appendix 1



Notes:

P/N: 1502011049A

Time: March 23th, 2017