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LASER TREE LT-R1 1W-2W 1064nm Infrared Laser Module



USER MANUAL

MODEL: LT-R1

1. Packing List



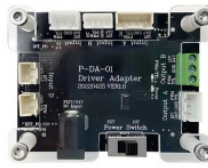
Laser Module



3PIN Cable



Sliding Plate



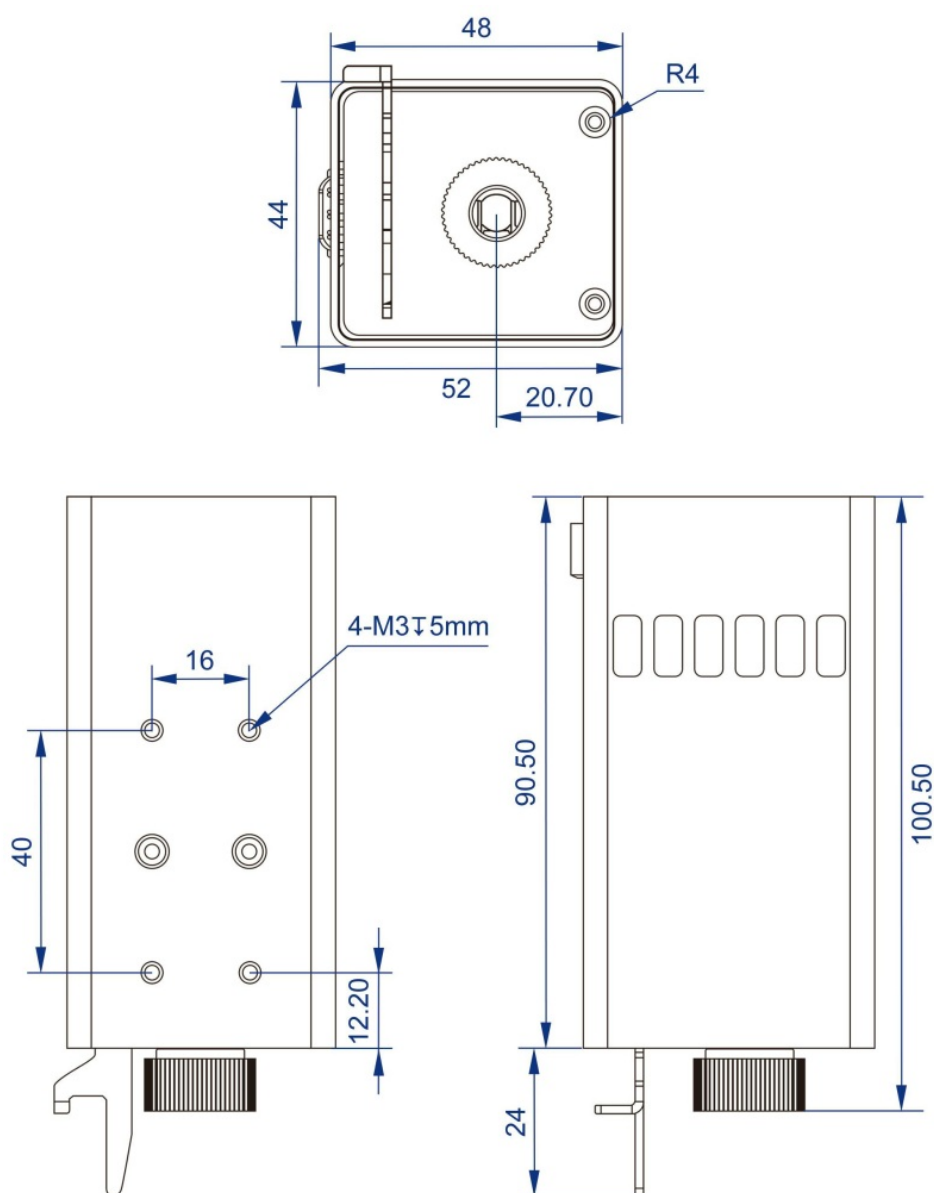
Driver Adapter

2. Parameters

Product Name	Engraving Module
Wavelength	1064nm $\pm$ 1nm
Optical Power	1W
Input	DC 24V 2.5A
Input Port	XH2.54 3PIN
Operation Mode	Pulsed Laser
Focus Length	24mm

Spot Size	0.03mm
PWM Modulation	0-5, V0-5kHz
Cooling Mode	Air-cooling
Operating Temperature	0-60°C
Module Net Weight	246g
Module Size	52*44*100.5mm

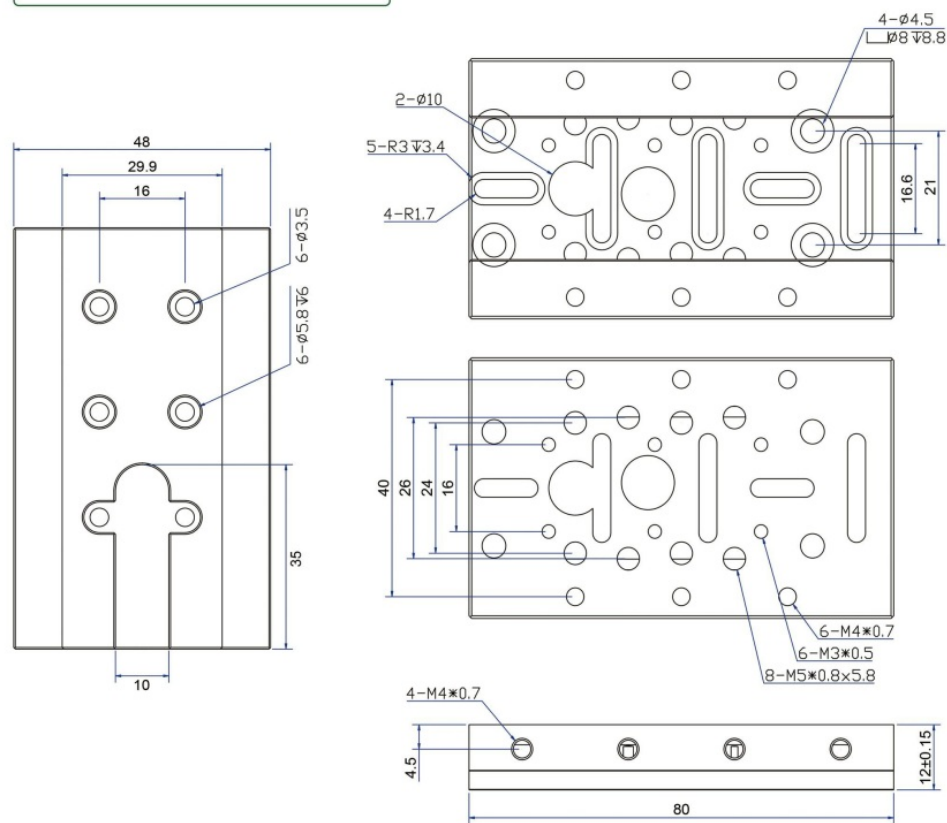
3. Outline Dimension Unit: mm



4. Sliding Plate

Multiple holes bring you widely installation compatibility.

Outline dimension (Unit: mm)



Accessories for sliding plate



M3x6 Fasten screw*4



M4x20 Fasten screw*2

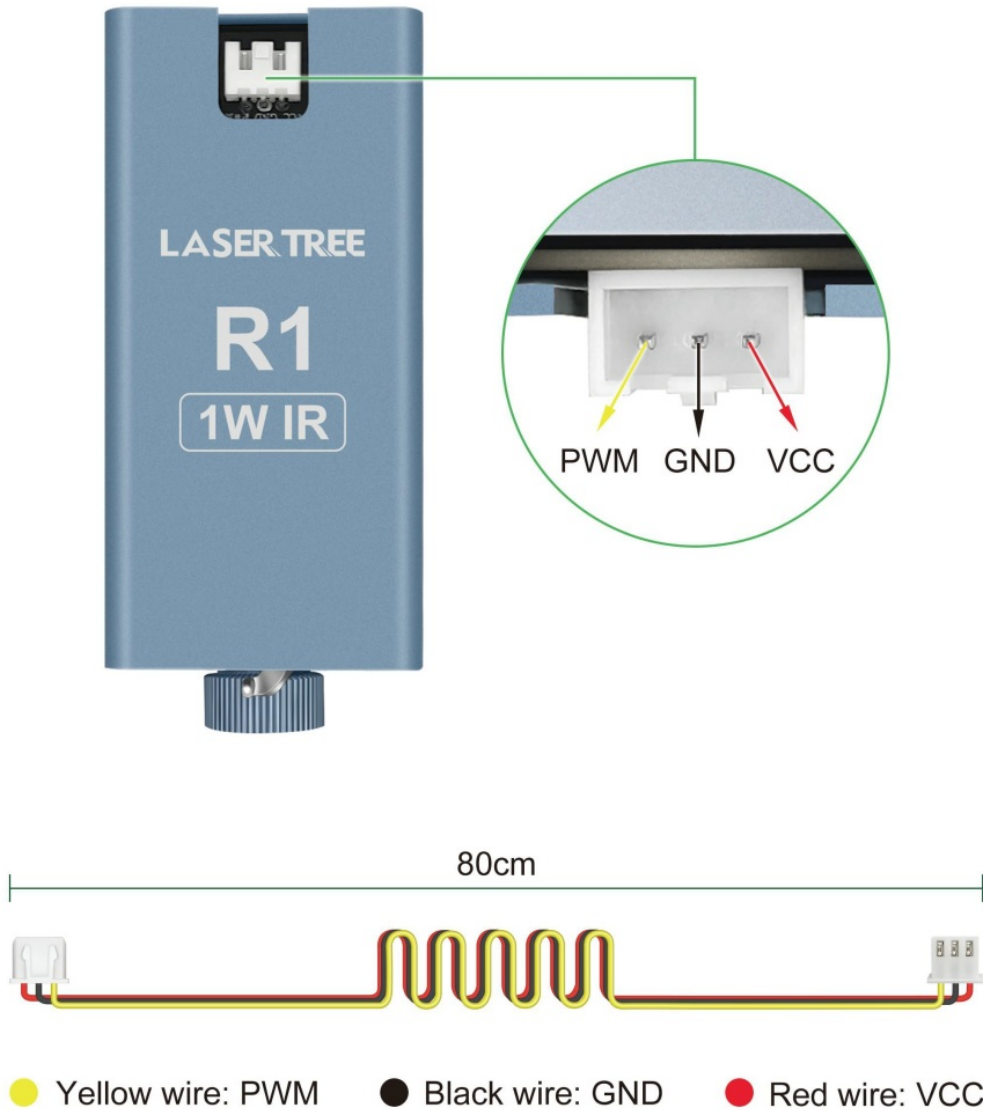


2.5mm L-wrench

5. Driver Adapter

① Output A: 3PIN connector	② Output B: 3PIN connector
③ Input A: 4PIN connector	④ Input B: 4PIN connector
⑤ Input C: 3PIN connector	⑥ Input D: 2PIN connector
⑦ DC Input: 12V or 24V power adapter	
⑧ Power Switch: • EXT→External power supply • INT→Internal power supply	
⑨ Power indicator: It is red when the power cable is connected correctly.	
⑩ TTL/PWM indicator: It is green when the TTL/PWM cable is connected correctly.	

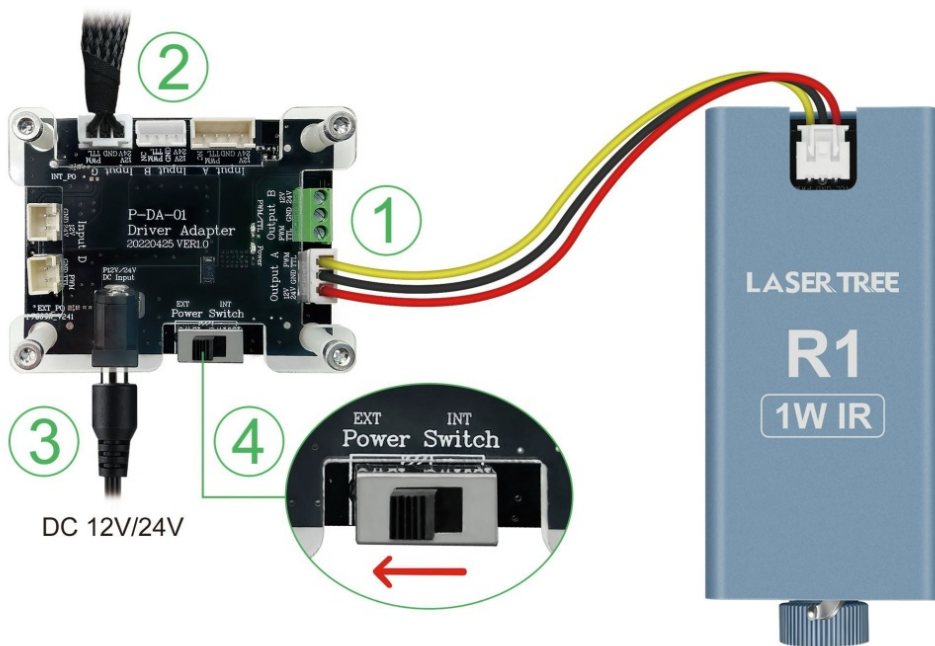
6. PIN Definiton



7. Connection

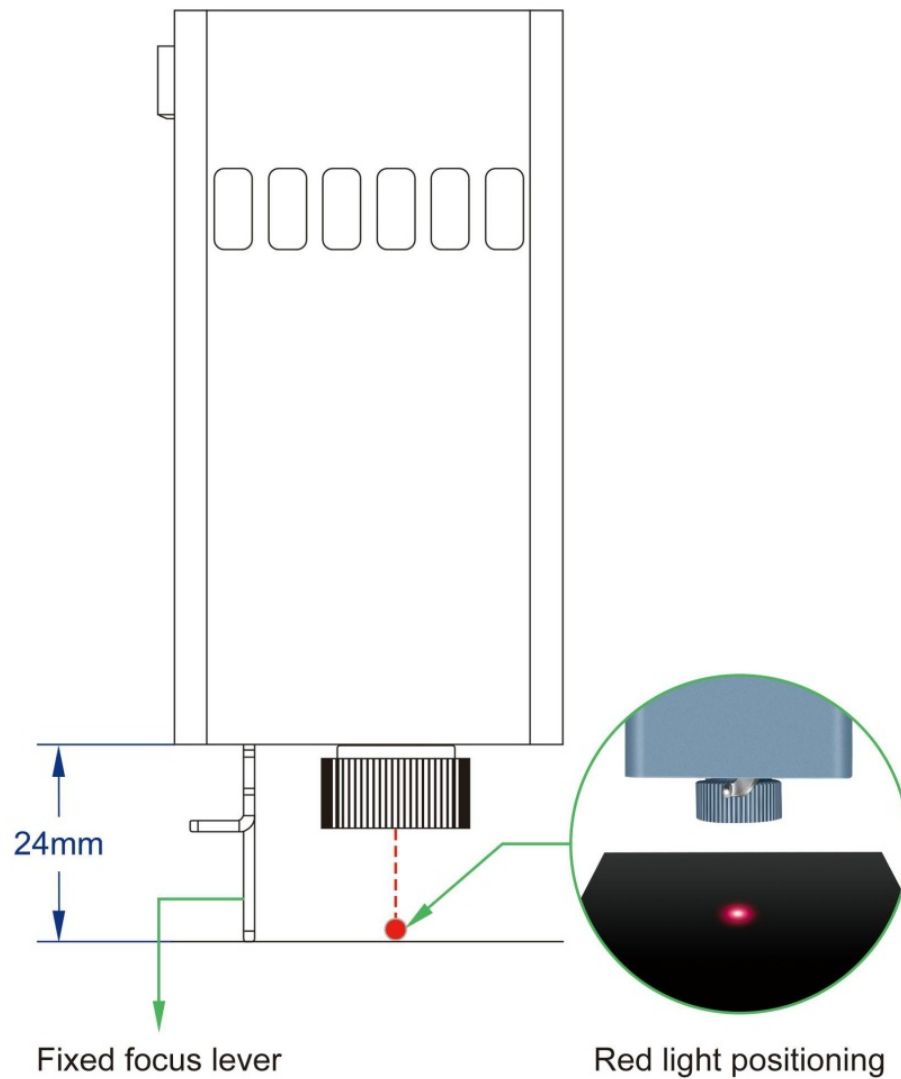
1. Connect one end of the 3PIN connection cable to the engraving module and the other end to the corresponding output port of the drive adapter.
2. Connect the engraver output cable to the corresponding input port of the drive adapter.
3. Connect the adapter to the DC input port of the drive adapter.
4. Switch to Ext (external power) mode on the drive adapter and then start to use the laser module.

Connection diagram



8. Engraving Focus Description

The R1 engraving module has a focal length of 24mm and is equipped with a fixed focus lever and a red light positioning device so that the engraving position can be easily positioned.



9. Safe Use & Maintenance

- Laser can damage a person's skin. please do not expose your skin directly to the lase.
- Children or teenagers are strictly prohibited from using the module alone.
- Please wear laser goggles to protect your eyes when you use this laser module.
- This module doesn't support hot plug. Hot plug may cause damage to the module.
- When the laser module is not used for a long time, please ensure that the lens is not polluted by dust.

* For more information about maintenance, please contact us at lasertree@micost-optotech.com.



Enjoy pleasure of DIY



MADE IN CHINA

Documents / Resources

	LASER TREE LT-R1 1W-2W 1064nm Infrared Laser Module [pdf] User Manual LT-R1, LT-R1 1W-2W 1064nm Infrared Laser Module, LT-R1, 1W-2W 1064nm Infrared Laser Module, 1064nm Infrared Laser Module, Infrared Laser Module, Laser Module
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References

- [User Manual](#)

Related Posts

[LASER TREE 80W Laser Module with Air Assist User Manual](#)



LASER TREE 80W Laser Module with Air Assist User Manual FAQ 1. How do I get pre/after-sales support?...



[ORTUR LU2 Laser Module Aufero Laser Engrave Instruction Manual](#)

LU2 Laser Module Aufero Laser Engrave



[LASER TREE LT-4LDS-V1 20W Optical Power Laser Module User Manual](#)

LASER TREE LT-4LDS-V1 20W Optical Power Laser Module LASER MODULE INTRODUCTION Parameters

Optical power: 18W- 21W Input: 24V...

LASER TREE LT-40W-AA 40W Laser Module



[LASER TREE LT-40W-AA 40W Laser Module User Manual](#)

LASER TREE LT-40W-AA 40W Laser Module LASER MODULE INTRODUCTION Parameters Optical power:

5W ($\pm 0.5W$) Input:...

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TREE

◆ 1064nm Infrared Laser Module, 1W-2W 1064nm Infrared Laser Module, Infrared Laser Module, Laser Module, LASER TREE, LT-R1, LT-R1 1W-2W 1064nm Infrared Laser Module

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