



FBLMC_B_V4_CUH_V4(0)

USBLMC Client Use Handbook

Fiber Laser Control Board

Version recorder

version	Date	Comment
V4	2019-09-	FBL1-B-LV4 Laser Control Board

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Safety During Installation And Operation

Please read these operating instruction completely before you proceed with installing and operating this product. If there are any questions regarding the contents of this manual, please contact BJJCZ.

1. Steps For Safe Operation

- ❑ Carefully check your application program before running it. Programming errors can cause a break down of the system. In this case neither the laser nor the scan head can be controlled.
- ❑ Protect the board from humidity, dust, corrosive vapors and mechanical stress.
- ❑ For storage and operation, avoid electromagnetic fields and static electricity. These can damage the electronics on the product. For storage, always use the antistatic bag.
- ❑ The allowed operating temperature range is $25^{\circ}\text{C} \pm 10^{\circ}\text{C}$.
- ❑ The storage temperature should be between -20°C and $+60^{\circ}\text{C}$.

1.2 main feature

- Standard DB25 connector, can be wire to IPG laser directly.
- Galvo control signal is digital, which can be connect to most scanhead directly.
- on-the-fly marking feature. A encoder can be used to surveillance the pipeline speed real-timely.
- Multiple boards on 1 computer: One computer can control up to 8 control board to mark different pattern simultaneously
- Extension axis(step motor or sever motor): two set of direction/pulse signal can be used to control 2 step(server) motors.
- Remark function: this function is used to remark what ever is in the memory of the board, especially convenient for high speed marking of a same pattern.
- Compatible with USB2.0 specifications.

1.2 Подключение контроллера FBL1-B-LV4

[Инструкция для инженеров сервисного отдела](#)

<http://gravmax.ru/kontrollery/bsl-kontroller-lazernogo-gravera-manual-instruksiya-kak-podklyuchit.html>

3 Control Board size

