

inland LAMPBIT™ User Instructions

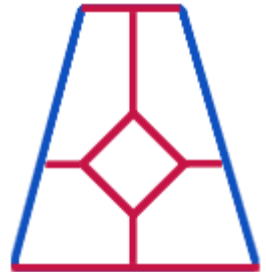
The Inland LampBit is used to help improve the fit between the panels and other three dimensional projects that fit together on an angle instead of edge to edge. Mitering the edges with the Inland LampBit will also reduce the solder line for a more finished and professional look.

Safety

- It is extremely important to wear proper eye protection. We highly recommend that you wear safety goggles rather than safety glasses. You can also use the Inland [FaceShield™](#) or [MagnaShield™](#) in conjunction with proper eye wear for added protection. **NOTE:** A shield alone is not adequate eye protection.
- DO NOT wear loose clothing or any accessories (long necklaces, bracelets, shirts with long fringes, and similar) that might get caught by the grinder head while it is on your machine.

Installation

1. It is always a good idea to apply a lubricant such as Inland [Motor Shaft Lubricant](#) to the motor shaft whenever installing or changing heads. This helps prevent the head from seizing on the shaft and keeps ground glass and other debris from getting down into the motor.
2. The LampBit has two differently angled sides a 9° side perfect for projects with 20 sides and a 18° side for projects with 10 sides. Use the side that most closely matches the number of sides in your piece. For example, if your piece has 8 sides you would use the 18° side. If your project has 24 sides you would use the 9° side. You only need to grind those edges in your project that meet on a miter or angle. If you are making a flat panel lamp, you would grind only the edges colored blue. The edges that are part of the interior design (like those in red don't get mitered).
3. Loosen the set screw using the allen wrench provided by turning it counterclockwise. Slide the head onto the shaft so that the set screw sits over the flat side of the motor shaft. Do not force! It should slide on easily. Contact [customer service](#) at 1-800-521-8428, ext. 306 if you have problems.
4. Lower the bit down so the maximum amount of angled diamond surface is above the work surface. Secure in place by turning the set screw clockwise with the allen wrench. **IMPORTANT: Always secure the bit to the flat side of the motor shaft. Tightening the bit to the rounded side can scar the shaft and prevent bit removal!**
5. Test to make sure the bit is in the right position and to get a feel for grinding with a piece of scrap glass first. You want to grind away the back edge without grinding into the very top so that you create a back beveled edge.
6. Adjust the coolant feed sponge if needed. You may find that you need to supply additional coolant to the bit. You can do this by holding a second wet sponge against the bit.
7. Turn on the machine and slowly feed the glass piece into the bit. You can back bevel the edge as much or as little as needed. The farther into the bit you work the glass, the wider the back beveled edge created.
8. Because you are increasing the surface area (width) of the edge, you may need to use a slightly wider foil on the mitered edges.



Helpful Tips

- If a white powder forms around the head as you grind, check both your sponge placement and the coolant level in the reservoir. You can use Inland [DiamondCoolant™](#) to help increase grinding efficiency and prolong life of your diamond grinding and drilling heads.
- Always tighten heads to the flat side of the motor shaft. Tightening to the round side can scar the shaft and prevent the head from being removed.
- Remove the grinding heads from your machine if you are not using it for long periods.

Service

If you have any questions or comments regarding the use of this or any Inland product please call Inland Customer Service at 1-800-521-8428 9 AM to 5 PM EST, email us at helpdesk@inlandcraft.com, or write us at:

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