

How to make a laser pointer using a laser diode



Overview

Learn how to make a laser pointer using a 5mW 650nm laser diode module. With proper assembly—including a copper-heated enclosure, controlled current, and secure wiring—a durable, safe, and efficient laser pointer can be created for personal or educational purposes. Most of the materials mentioned in the things you'll need section can be procured at online shopping sites or hardware retail shops. Some, such as the laser diode, can be found in other electronic devices. A laser diode is a cool component that you can do a lot of fun stuff with, from engraving wood to creating a light show or giving your robot eyes! They range from super cheap (or even free if you can find one in an old CD player!) to more expensive. A laser diode is a diode which outputs a laser beam. Unlike LED light, a laser's light output is more concentrated, meaning it has a smaller and more narrow viewing angle. This means it must be directed at its source. DIY Laser Pointer Circuit | How to Make a Laser at Home In this video, I show you how to build a simple laser light project using basic electronic compo DIY Laser Pointer Circuit | How to Make a Laser at Home In this video, I show you how to build a simple laser light project using basic electronic.



Article Content

May 05, 2026

Make a Simple Laser Diode Module

Make a Simple Laser Diode Module: Laser diodes are quite useful in some ways especially in trigger/alarm systems such as triplight

Aug 10, 2025

Powerful Burning Laser : 5 Steps (with Pictures)

Powerful Burning Laser: Hello today im going to show you how to make a powerful burning laser from DVD

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Laser Pointer Circuit and Working with Applications

A Laser pointer is a simple, portable, electronic device which is driven using the laser pointer driver circuit

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Arduino Laser Module: Connecting KY-008 to Arduino

In this quick tutorial, you'll learn how to connect an Arduino laser module board such as the KY-008. Includes pinout and

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How to Make a Laser Pointer: A Practical Guide Using 5mW 650nm

Learn how to make a laser pointer using a 5mW 650nm laser diode module. With proper assembly—including a copper-heated

Nov 09, 2025

Make a Simple Laser Diode Module

In this instructable, we are going to make a very simple module for any laser diode with a maximum forward voltage of about 4.5

Dec 11, 2025

Custom & DIY Laser Pointers

Ethical Considerations in Laser Pointer Use Ethics play a crucial role in the responsible use of laser pointers. Here are some

Mar 31, 2026

How to Make a Laser (with Pictures)

Small lasers, such as those in CD and DVD players and laser pointers, use electronic circuits to provide electric current

Nov 15, 2025

Laser Diode Module Tutorial : 4 Steps

Laser Diode Module Tutorial: Description: This 100mW laser module emits a small intense focused beam

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How to Build a High Powered Laser: 12 Steps (with Pictures)

Want to learn how to build a simple but powerful laser with electronics you already have in your house? We'll show

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How to Build a Laser Pointer: 8 Steps

You have successfully built a laser pointer following these 8 simple steps. Always remember to handle your new gadget with care

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Master the Art: How to Make a Laser Pointer in 7 Easy Steps

From Idea to Illumination: Kicking Off Your DIY Laser Pointer Adventure The allure of a laser pointer is undeniable.

Aug 11, 2025

An Introduction to Laser Diodes

A range of small laser diodes is used in laser pointers and bar-code scanners. However, the most common laser

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DIY Laser Pointer Project (My Cat's order)

DIY LASER POINTER UPGRADE — Long Battery Life, Rechargeable, and Reliable ☑☑In this video, I'll show you how to

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How To Make A Laser Pointer: 11 Free Plans

As an adult, I still love to play with laser pointers. And that's why I fell in love with making my own DIY lasers.

Nov 07, 2025

How to Make a Laser Pointer Red Dot Sight

This is an instructable on how to make a laser pointer red dot sight for playing video games. This is a handy way to fire your weapon

Sep 30, 2025

How to Make a Powerful Burning Laser for CHEAP!

6. Laser Diode Press Tool: Used to press the laser diode into the AixiZ module. There are actual specialty tools made to press

Mar 12, 2026

8 DIY Laser Pointer Ideas You Can Make Today (With Videos

8 DIY Laser Pointer Ideas You Can Make Today (With Videos & Pictures) Last Updated on Mar 15 2024 As kids, we

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how to make a laser-pointer

Using drill bits and 200mw laser mouse cursors, you can construct the casing and the switch. For testing, you need to

Apr 14, 2026

How to Make a Handheld Laser Pointer : 5 Steps

How to Make a Handheld Laser Pointer: There are several different ways to make a hand held laser pointer. In this case we will be

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How to Build a Laser Pointer: 8 Steps

Be aware of responsible laser pointer usage, which includes avoiding shining it at people's eyes or aircraft. Congratulations! You

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How to Build a Laser Diode Circuit

They are used in laser printers, laser fax machines, laser pointers, measurement equipment, bar-code and UPC scanners, and in

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How to Make a Laser Pointer Out of Household Items

Lasers are no longer only available to scientists as you can purchase a laser pointer in a drugstore or even a grocery store. You can

Jan 24, 2026

Laser Pointer : 6 Steps (with Pictures)

Laser Pointer: Lasers these days come in many different shapes and sizes. Building your own, you also

May 02, 2026

The Endurance laser kit pack

An open-source guide about how to build your own diode laser. Detailed instructions and steps. Settings, parameters, lifehacks.

Apr 08, 2026

Laser Pointer Circuit and Working with Applications

These are five simple steps to know how to make a laser pointer by your own. These home made laser pointers can also used for all

Mar 06, 2026

How to Build a Laser Diode Circuit

In this article, we will show how to connect and build a simple laser diode circuit to get light output from a laser diode.

Jan 07, 2026

How to Build a Laser Pointer: 8 Steps (with Pictures)

A laser pointer is a small handheld device, which emits a narrow and coherent beam of light. A homemade laser

Oct 20, 2025

DIY Laser Pointer Circuit | How to Make a Laser at Home (Simple ...

Always use proper eye protection and never point the laser at people, animals, or vehicles. What you will learn in this

Jul 09, 2026

How could I make my own laser diode? : r/askscience

Building a laser diode requires that you have a microfabrication lab. But building a diode laser can be a homebrew project. I've had

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

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