

ARD 2

Arduino Compatibles

Controllers, Shields, Modules & Sensors

Laser Emitter Module

ARD2-2065

- Can be used to create a laser pointer
- Applications include theft detection & security

Description

This 5V laser head is ideal for applications such as a controllable laser pointer, theft detection, etc. It has many interesting possible applications.

WARNING: Do not point this laser at a person's eyes. The laser is not a toy - keep away from children and people who do not understand the use of the laser characteristics. Misuse of the laser can easily lead to injury. Always wear protective goggles when using lasers; for the invisible laser, this point is particularly important. The laser must not be pointed at cars, aircraft and other transport vehicles.

Specifications

Laser type	Dot laser
Operating Voltage	5V
Current	30mA @ 5VDC
Laser Output Power	<1mW
Wavelength	650nm
Laser Outer Diameter	6mm
Material	PCB
Dimensions	45mm x 23mm x 10mm (LxWxH)

Pinout

Module	Arduino	Function
S	D13	Put this pin high to activate laser
-	GND	Ground
Middle	N/C	Not Connected

Test Code

```
void setup ()
{
  pinMode (13, OUTPUT); // define the digital output interface
  13 feet
}
void loop () {
  digitalWrite (13, HIGH); // open the laser head
  delay (1000); // delay one second
  digitalWrite (13, LOW); // turn off the laser head
  delay (1000); // delay one second
}
```

