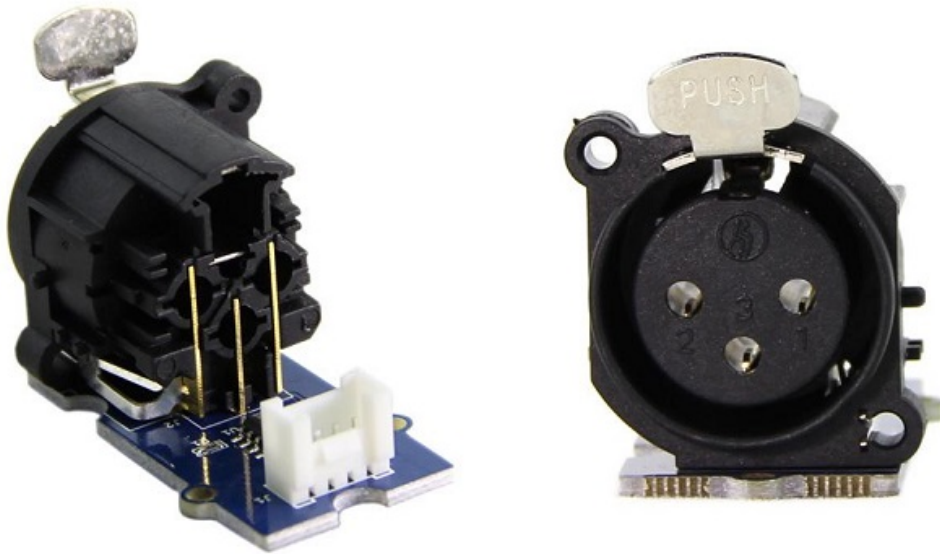


## Grove - DMX512



The Grove – DMX512 is a adapter from Grove interface to DMX512 interface(industry standard EIA-485 interface. The module is based on SN75176 chip which can balance transmission lines and meet ANSI Standard EIA-485 interface. Now it is convenience to control stage lighting and DMX512 console for Arduino.

**Get One Now** 

[<https://www.seeedstudio.com/Grove-DMX512-p-1447.html>]

## Feature

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- Grove Interface and standard EIA-485 interface
- Easy to use
- Strong practicability

## Usage

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Arduino can easily control DMX512 device by using the Grove - DMX512 module. Take the LED crystal magic ball light as an example. The Specific Operation as follows:

- Connect Grove interface of Grove - DMX512 to D3 port of [Grove - Base Shield \[Base\\_Shield\\_V2\]](#) and plug Grove - Base Shield to Arduino.
- Connect DMX512 interface of Grove - DMX512 to the DMXIN interface of the LED crystal magic ball light using a DMX cable. And power for the LED crystal magic ball light.
- Set the LED crystal magic ball light to DMX512 control mode. The control panel display "A001" at the moment.



- Download [File: DmxSimple Library](https://files.seeedstudio.com/wiki/Grove-DMX512/res/DmxSimple.zip) [https://files.seeedstudio.com/wiki/Grove-DMX512/res/DmxSimple.zip] and Unzip it into the libraries file of Arduino IDE by the path: ..\arduino-1.0.1\libraries.
- Open the code directly by the path:File -> Example ->DmxSimple->Fadup1.
- You can see a interesting scene. Try to change code for your enjoy.

## Schematic Online Viewer



## Resources

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- [SN75176 Datasheet](https://files.seeedstudio.com/wiki/Grove-DMX512/res/Sn75176a.pdf) [https://files.seeedstudio.com/wiki/Grove-DMX512/res/Sn75176a.pdf]
- [Grove - DMX512 Eagle File](https://files.seeedstudio.com/wiki/Grove-DMX512/res/Grove-DMX512_Eagle_File.zip) [https://files.seeedstudio.com/wiki/Grove-DMX512/res/Grove-DMX512\_Eagle\_File.zip]

- [DmxSimple Library](https://files.seeedstudio.com/wiki/Grove-DMX512/res/DmxSimple.zip) [https://files.seeedstudio.com/wiki/Grove-DMX512/res/DmxSimple.zip]

## Tech Support

Please submit any technical issue into our [forum](https://forum.seeedstudio.com/) [https://forum.seeedstudio.com/].



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