Grove - DMX512

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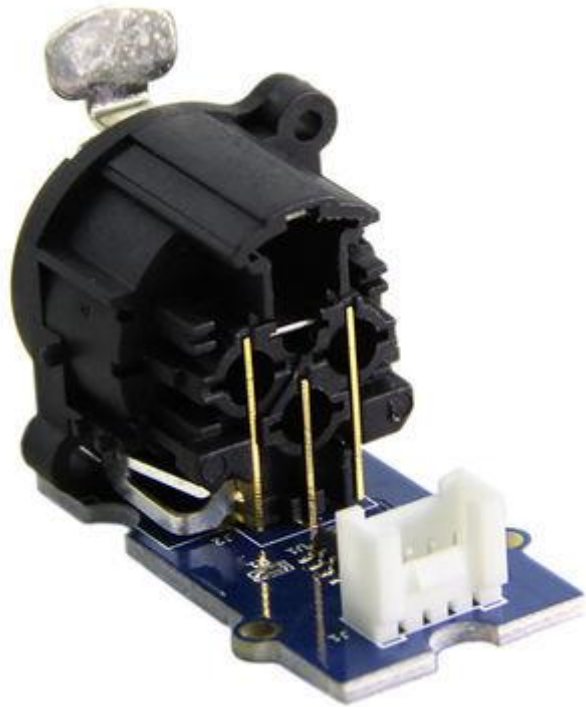
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Introduction

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. **Model:** ACC05071P (http://www.seeedstudio.com/depot/grove-dmx512-p-1447.html?

Feature

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

Usage

Arduino can easily control DMX512 device by using the Grove - DXM512 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 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 (http://www.seeedstudio.com/wiki/File: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.

Resources

SN75176 Datasheet (http://www.seeedstudio.com/wiki/File:Sn75176a.pdf)

Grove - DMX512 Eagle File (http://www.seeedstudio.com/wiki/File:Grove_-_DMX512_Eagle_File.zip)

DmxSimple Library (http://www.seeedstudio.com/wiki/File:DmxSimple.zip)

Wiki in PDF Format (http://www.seeedstudio.com/wiki/images/0/0b/103020000.pdf)

Support

If you have questions or other better design ideas, you can go to our forum (http://www.seeedstudio.com/forum) or wish (http://wish.seeedstudio.com) to discuss.

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