



HandsOn Technology MDU1142 Joystick Shield for Arduino Uno/Mega Instruction Manual

[Home](#) » [HandsOn Technology](#) » HandsOn Technology MDU1142 Joystick Shield for Arduino Uno/Mega Instruction Manual 

Contents

- [1 HandsOn Technology MDU1142 Joystick Shield for Arduino Uno/Mega](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Brief Data](#)
- [5 Mechanical Dimension](#)
- [6 Functional Block Diagram](#)
- [7 Web Resources](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)

Handson Technology

HandsOn Technology MDU1142 Joystick Shield for Arduino Uno/Mega



Product Information

The Arduino Joystick Shield by Handson Technology is a shield that sits on top of your Arduino Uno/Mega board and turns it into a simple controller. It contains all the parts required to enable your Arduino with joystick control, including seven momentary push buttons (six plus a joystick select button) and a two-axis thumb joystick. The shield is compatible with both 3.3V and 5V Arduino platforms and supports a slide switch that lets the user select the voltage system. In addition to the joystick control, the shield also has additional ports/headers for Nokia 5110 LCD and NRF24L01 communication module.

The SKU for this product is MDU1142, and the shield dimensions are available in the manual.

Product Usage Instructions

To use the Arduino Joystick Shield, follow these steps:

1. Attach the shield on top of your Arduino Uno/Mega board.
2. Select the voltage system using the slide switch.
3. Connect the Nokia 5110 LCD or NRF24L01 communication module to the additional ports/headers if required.
4. Use the seven momentary push buttons and two-axis thumb joystick for joystick applications.

For more information, you can refer to the web resources provided in the manual, including tutorials and projects that utilize the Arduino Joystick Shield.

Arduino Joystick Shield contains all the parts you need to enable your Arduino with a joystick control! The shield sits on top of your Arduino and turns it into a simple controller. Seven momentary push buttons (6+ joystick select button) and a two-axis thumb joystick gives your Arduino functionality on joystick application.

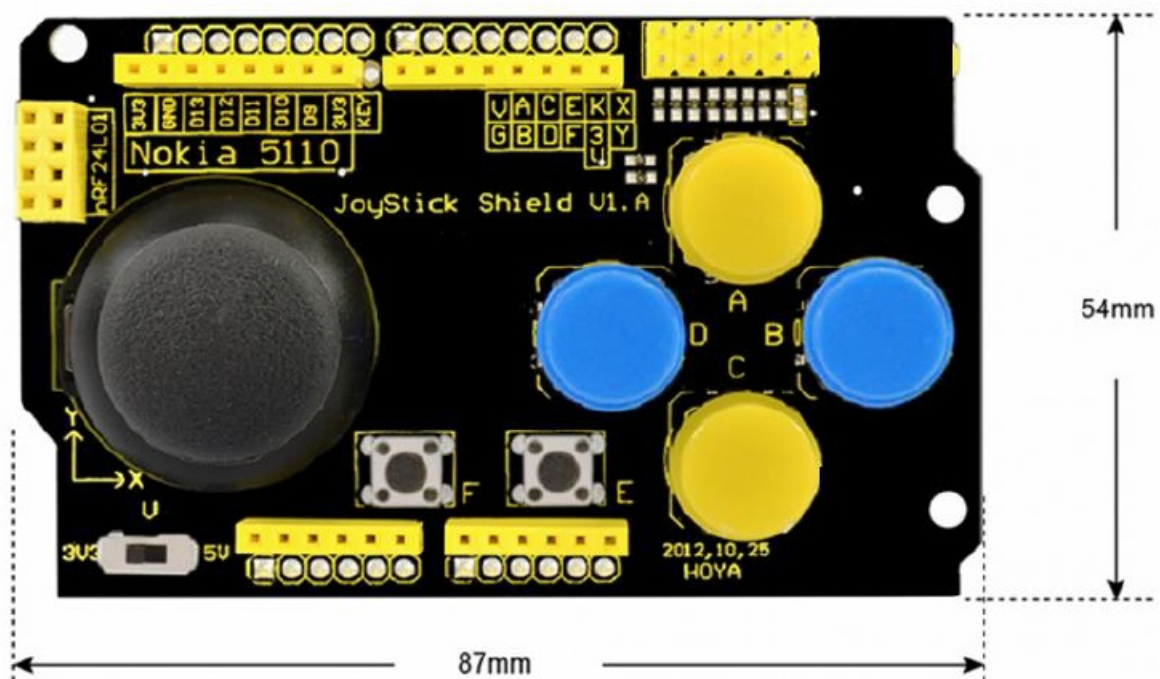


Brief Data

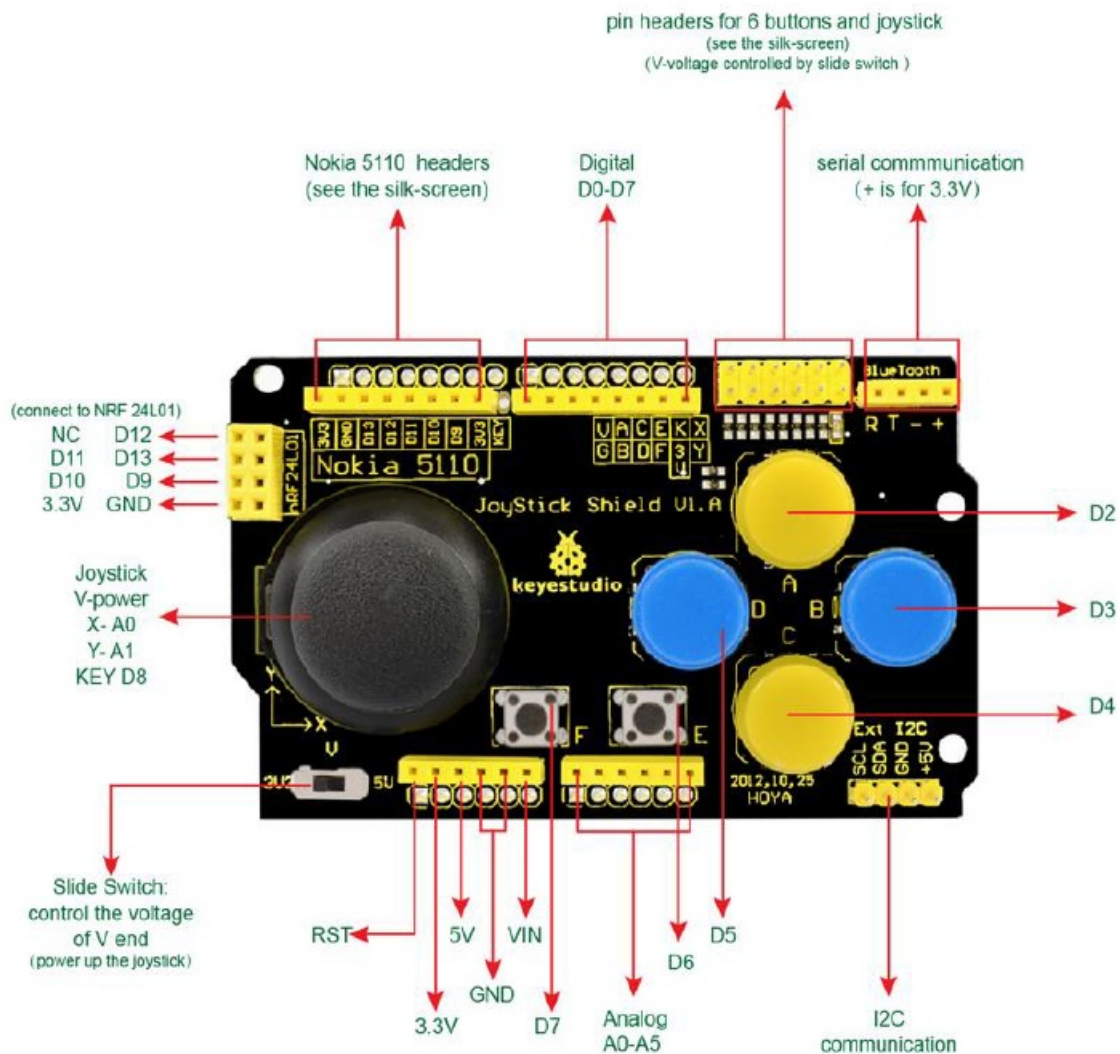
- Arduino Uno/Mega Compatible Shield.
- **Operating Voltage:** 3.3 & 5V.
- Supports both 3.3v and 5.0V Arduino platforms.
- A slide switch lets user select voltage system.
- 7-Momentary Push buttons (6+ joystick select button).
- Two Axis Joystick.
- Additional Ports / Headers for Nokia 5110 LCD, NRF24L01 Communication module.

Mechanical Dimension

Unit: mm



Functional Block Diagram



Web Resources

- https://wiki.keyestudio.com/Ks0153_keyestudio_JoyStick_Shield.
- <https://www.allaboutcircuits.com/projects/level-up-arduino-joystick-shield-v2.4/>.
- <https://artofcircuits.com/product/arduino-gamepad-joystick-shield-1>.

We have the parts for your ideas

HandsOn Technology provides a multimedia and interactive platform for everyone interested in electronics. From beginner to diehard, from student to lecturer. Information, education, inspiration and entertainment. Analog and digital, practical and theoretical; software and hardware.

HandsOn Technology support Open Source Hardware (OSHW) Development Platform.

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Documents / Resources

	<p>HandsOn Technology MDU1142 Joystick Shield for Arduino Uno/Mega [pdf] Instruction Manual</p> <p>MDU1142 Joystick Shield for Arduino Uno Mega, MDU1142, Joystick Shield for Arduino Uno Mega, Shield for Arduino Uno Mega, Arduino Uno Mega</p>
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References

-  [HandsOn Tech – Open Source Electronics Platform](#)
-  [Arduino Boards – HandsOn Tech](#)
-  [Breakout Boards & Modules – HandsOn Tech](#)
-  [Connectors – HandsOn Tech](#)
-  [Electronics Components – HandsOn Tech](#)
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-  [HandsOn Tech – Open Source Electronics Platform](#)
-  [HandsOn Tech – Open Source Electronics Platform](#)
-  [Arduino Gamepad Joystick Shield 1.A – Art of Circuits](#)
-  [HandsOn Tech – Open Source Electronics Platform](#)
-  [Joystick Shield for Arduino Uno/Mega – HandsOn Tech](#)
-  [Ks0153 keyestudio JoyStick Shield - Keyestudio Wiki](#)
-  [How to Use the Arduino Joystick Shield v2.4 - Projects](#)