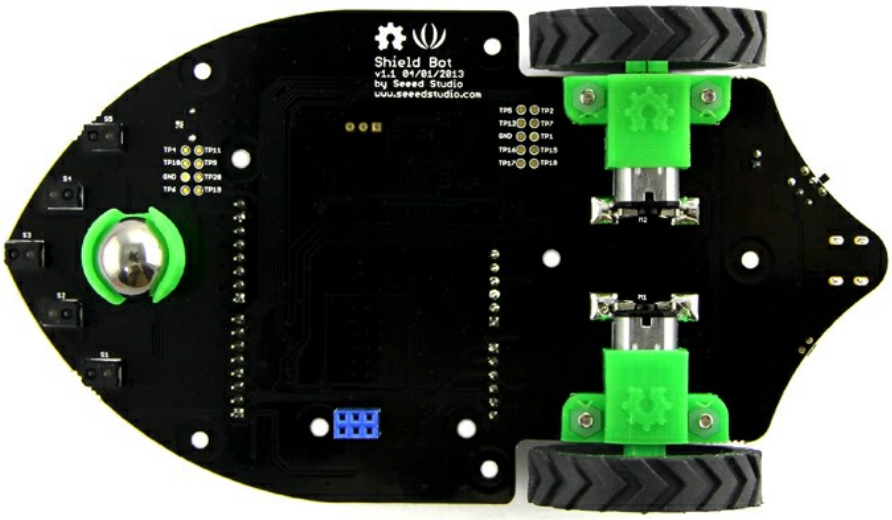
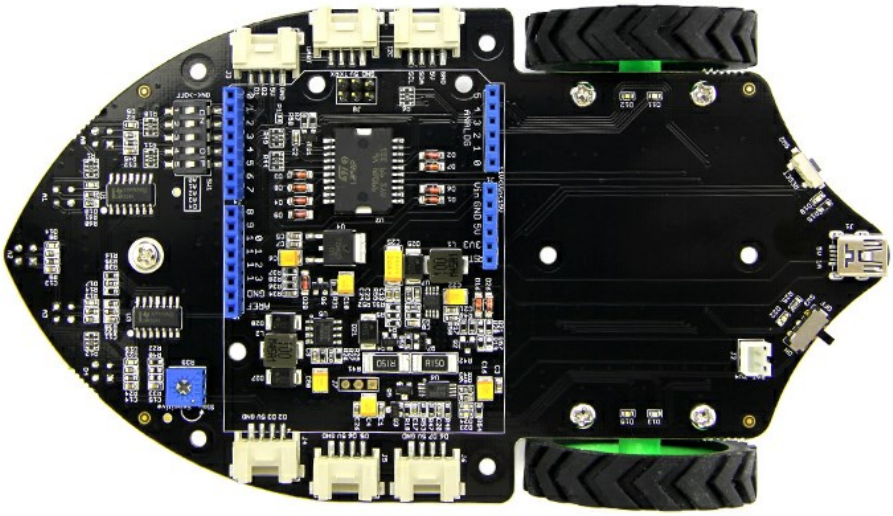





A FLEXIBLE ADD-ON FOR YOUR ARDUINO
SHIELD BOT
SHIELD BOT
seeed studio







This product contains battery, might applys to shipping constriction.

Shield Bot

SKU 110060010 Read all reviews

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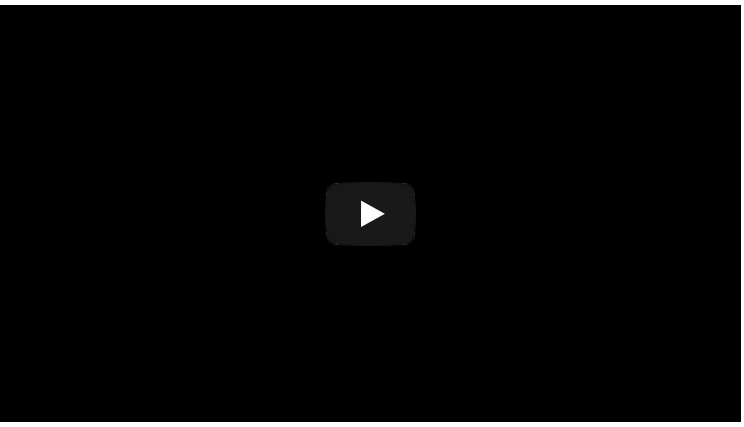
Description



Compared with the previous version, The Shield Bot V1.1 can use the usb port of PC to charge battery. And the charging efficiency is greatly improved after we optimize the circuit. And you can use the Arduino/Seeeduino Vin pin to fast charge.

Note: Compatible Arduino Board not included, try the Seeeduino.

Charge mode and charge efficiency as the following table:

Mode	Charge Current(A)	t h e i n p u t power(W)	Charge power(W)	Charge Efficiency(%)	Charge time(h)
USB Charge	0.396	3.94	3.56	90.36	2.50
Vin Charge	0.7	6.78	6.30	92.92	1.41

Features

Easy to start - The Shieldbot is plug and play and can be running out of the box in minutes

Expandable for imagination - solderless grove expansion ports enable easy attachment of more sensors and actuators, and shield headers allow the use of additional Arduino shields

Open source - Its designed to be hacked, adapted and transformed into whatever you want it to be!

Arduino Based - the Shieldbot is an Arduino shield, so the extensive Arduino community and shield ecosystem can be used for endless expansion!

Charging efficiency - Can quickly fully charged, And has a high efficienty.

Specifications

5x IR reflectance sensors for line and edge following

900 mAh Li-ion rechargeable battery

Two durable 160:1 micro metal gearmotors

6x Grove expansion ports

Stackable shield headers

Technical Details

Dimensions210mm x 115mm x 48mm
Weight G.W 301g
Battery Lithium Cells/Batteries packed with equipment UN3481 -PI966

Part List

Shield Bot1

ECCN/HTS

ECCN Not Available
HSCODE9023009000

Certification

RoHSCompliant

Documents

Shield Bot Library

ISL97516 Datasheet

BQ2057 Datasheet

358 Datasheet

L298 Datasheet

ShieldBot Schematic

Shield Bot Eagle Files

RPR-220 Datasheet

Learn



[Wiki] Shield Bot V1.1

Compared with the previous version, The Shield Bot V1.1 can use the usb port of PC to charge battery. And the charging efficiency is greatly improved after we optimize the circuit.

Reviews

A very usefull tool to learn and exercise programming of robots. I use them for teaching school kids.

August 23,2018 by ergond — Was this review helpful ? 0

July 13,2018 by ergond — Was this review helpful ? 0

March 06,2018 by Anonymous User — Was this review helpful ? 0

January 22,2018 by Anonymous User — Was this review helpful ? 0

Questions and Answers

Have a question about this? Ask people who

0
Is it possible to request that the battery is removed so it can be shipped without restriction?
mikegi on Aug 29,2017 Reply upvote (0)

qi.liao Hi, it is ok ,it is possible to request that the battery is removed so it can be shipped without restriction for most place, because of the battery, some logistics methods are limited. please contact us (order@seeed.cc),If you required it . we could check it and advise you.
Seeed Techsupport Team on Jan 04,2018 17:01 PM Reply upvote (0)

0

can one buy extra rear wheels for the bot

mjlee105 on Oct 11,2018 Reply upvote (0)

Hi there, Sorry, we do not sale the rear wheels separately. but you can download the 3d files and print it. here is the 3d files. **https://github.com/SeeedDocument/forum_doc/tree/master/reg/shield_bot**. thanks.

Seeed Techsupport Team on Oct 12,2018 10:55 AM Reply upvote (0)

0

Does this require an MCU to be added on or is one built in? Does it need something like arduino nano to build upon or is there an arduino MCU already onboard?

andreporter2 on Mar 28,2018 Reply upvote (0)

Hi there, you have to add arduino or seeeduino. thanks.

Seeed Techsupport Team on Oct 12,2018 10:39 AM Reply upvote (0)

0 I sit possible to get the complete documentation of Shield bot other than wiki as I am receiving error 404: Page can't be reached while accessing wiki

ss6926107 on Mar 04,2018 Reply upvote (0)

Hi there~ We have checked the wiki page, it is availble , could you please retry. If you still can not access, please let us know. Thanks

Seeed Techsupport Team on Mar 16,2018 09:36 AM Reply upvote (0)

0 What is the input voltage range the board supports?

Lok Chan on Jan 03,2018 Reply upvote (0)

Hi Lok~The voltage should not be higher than 4.5V. Regards

Seeed Techsupport Team on Jan 04,2018 17:00 PM Reply upvote (0)

0 Hi!! I would like to buy Shield bot.When is this product going to be in stock again?

Victorio on Oct 19,2016 Reply upvote (0)

Hi there~ Now you can buy it.Regards

Seeed Techsupport Team on Jan 04,2018 17:01 PM Reply upvote (0)

0 Hi! Is it compatible with the old Arduino Duemilanove?

ywen on Oct 19,2016 Reply upvote (0)

Yes, all Arduino board that based on Atemga X, others need to port the code.

loovee on Oct 20,2016 10:51 AM Reply upvote (0)

0 Is it compatible with Linkit One?

nav on Oct 19,2016 Reply upvote (0)

Hardware compatible, code need a little modified.

loovee on Oct 20,2016 10:51 AM Reply upvote (0)

0 When is this product going to be in stock again?

inventeaza.ro on Oct 19,2016 Reply upvote (0)

0

1. What is the version of this Shield Bot? I expect V1.1 is currently shipping. But I can not find any version info either in the product and wiki pages.2. I checked Shield Bot V1.1 wiki page. The schematic Eagle there is old (v0.9b?) and is the sa

cying.ing on Oct 19,2016 Reply upvote (0)

Now the shield bot we are selling is version 1.0. And the new version v1.1 will be on sell sooner. We would add the new schematic to wiki after the new one on sell.Thanks for your attention.

Jacket Chen on Oct 20,2016 10:47 AM Reply upvote (0)

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