2019 Adeept Smart Robot Kit For Arduino QUADRUPED ROBOT





Warning

Please pay attention to the following issues:

- There are small components included in this kit. Make sure it's not reachable for children under 6 years old in case swallowing mistakenly. If accident occurs, please seek medical help immediately.
- Parental guidance recommended for young children.
- Do not place the products or the components near any AC socket or other circuits to avoid electric shock.
- Keep away from any liquid or flame when using the product.
- Store the product in amicable environment, avoid extreme temperature and humidity.
- Turn off the power after use.
- Do not touch the moving part of the product or interfere it with any physical objects or signals in case damages to the product or fire generated by over heat.
- Product may be warm during use.
- Do not reverse the cathode and anode of the power in case damages to the circuit.
- Refer to instructions before use.
- Handle the product gently, avoid vigorous shaking or slamming.

About

Adeept is a technical service team of open source software and hardware. Dedicated to applying the Internet and the latest industrial technology in open source area, we strive to provide the best hardware support and software service for general makers and electronic enthusiasts around the world. We aim to create infinite possibilities with sharing. No matter what field you are in, we can lead you into the electronic world and bring your ideas into reality.

The code and manual of our product are open source. You can check on our website: http://www.adeept.com/

If you have any problems, feel free to send an email for technical support and assistance: support@adeept.com

On weekdays, we usually will reply within 24 hours. Also welcome to post in our official forum: http://www.adeept.com/forum/

Copyright

This user manual and code can be used for learning, DIY, refitting, etc., except for commercial purpose. The Adeept Company owns all rights of contents in the manual, including but not limited to texts, images, data, etc. Any distribution or printing should be implemented with the permission of the Company, or it will be deemed illegal.

Contents

Contents	3
1.Component List	. 4
1.1.Acrylic Plates	. 4
1.2.Machinery Parts	. 5
1.3.Electronic Parts	5
1.4.Tools	.7
1.5.Self-prepared Parts	7
2. Install the software	.8
2.1.Install the Arduino IDE	. 8
2.2. Install the library files	10
2.3.Install the driver	14
2.4. Upload program	16
3.Assembly	21
3.1.Preparations before Assembly	21
3.2. Servo debugging	23
3.3 Install and Remove Batteries	24
3.4 Assemble the legs	27
3.5 Assemble the other parts of the robot	35
4. Program debugging	51
5.Install the upper computer control software Python	52
5.1.Download software	52
5.2. Control the robot	56
6.Afterword	58



1.Component List

1.1.Acrylic Plates



The acrylic plates are fragile, so please be careful when assembling them in case of breaking. The acrylic plate is covered with a layer of protective film. You need to remove it first.Some holes in the acrylic may have residues, so you need to clean them before use.

1.2. Machinery Parts

M2 Nut	M3 Nut	M2*8 Screw	M2*14 Screw	M2.5*8 Screw
S X28	2 X21	X24	X4	X14
www.adeept.com	www.adeept.com	www.adeept.com	www.adeept.com	www.adeept.com
M3*8 Screw	M3*10 Screw	M3*15 Nylon	M3*20 Nylon	M3*22
X36	X19	Standoff X4	Standoff X4	Standoff X4
www.adeept.com	www.adeept.com	www.adeept.com	www.adeept.com	www.adeept.com
M3*40 Nylon Standoff X6 www.adeept.com	M3*8 Countersunk Head Screw X2 www.adeept.com	M2.5*4 Screw X2 www.adeept.com	M1.7*6*6 Self-tapping Screw X12 www.adeept.com	M1.4*6 Self-tapping Screw X4 www.adeept.com
M2*6 Copper Standoff X4 www.adeept.com	M2.5*11 Copper Standoff X2 www.adeept.com			

1.3.Electronic Parts







1.4.Tools



1.5.Self-prepared Parts



18650 battery specification:

It is recommended to use lithium battery above 3000mAh and without overcurrent protection. The power supply current requirement is above 3A. Using 18650 lithium battery with overcurrent protection function, 18650 battery whose capacity is less than 1700mAh, 18650 battery specially for strong-light flashlight, 18650 battery with power shortage or counterfeit lithium battery produced by informal manufacturers will cause the unstable work of the robot, power cut and even damage to the Raspberry Pi and robot. The robot can be turned on normally, but the robot will automatically restart or shut down after, also because of the problem caused by the 18650 battery.

2. Install the software

2.1.Install the Arduino IDE

1.Type the arduino.cc in the browser and download the arduino IDE.

\leftrightarrow Arduino - Home × + \leftrightarrow \rightarrow C \land \Rightarrow https://www.arduino.cc			
00			Q 💼 SIGN IN 🍈
ARDUINO	HOME STORE SOFTWARE EDUCATIO	N RESOURCES COMMUNITY HELP	
Terms of Service NEWSLETTER Privacy Policy ENTER YOUR EMAIL TO SICH Contact Us About Us Distributors Careers	I UP SUBSCRIBE		^
scurity http://www.astukin.cc/er/Main/Schware The Company of the	arsions depending on the	operating system	作 ♥ ◎ 〇 •• 高 5 い 9 @ 章 知 • 1734 20194/21
Arduino - Software × +	ersions depending on the	operating system.	
$\overleftarrow{\ } \leftrightarrow \ C \ \underline{\ }$ in http://www.ardulno.cc/er/Main/Software	where it was used to be a set of the set of	-so-usor ve stort or controluced libraries uno bards	A) * O O
	Download the Arduino IDE		
	ARDUIND 1.8.9 Respensioner Arbana Software (USD m white cose and update its one scale true) the state software (USD m white cose and update its one scale true) in a and states on Arbana Software (USD m white cose and update its one scale true) scale as the software and a use with any Arbana Refer to the Commissioner Samed age for install instructions.	Windows Installer, for Windows XP and up Windows ZP/ file for non-admin Install Windows App Request Win B for IO of the Software open. Undows App Request Win B for IO Enter View Apple Mac OS X 101 Mountain Lonio nerver Linux XA to its Linux May 4 bits Source Colls Checksum (nub2)	
	HOURLY BUILDS	BETA BUILDS	
	Download a preview of the incoming release with the most updated features and bugfives.	Download the Beta Version of the Arduino IDE with experimental features. This version should NOT be used in production.	
	Windows Mac OS X (Mac OSX Mountain Lion or later) Limux 32 bit , Limux 64 bit , Limux ARM, Limux ARM64	Windows Mac OX (Mac OSX Mountain Lion or later) Linux 32 bit, Linux 64 bit, Linux ARM, Linux ARM64	
			17:44

Arduino Setu	ip: License Ag	reement	
Please re accept a	eview the licens Il terms of the a	se agreement before in agreement, dick I Agre	stalling Arduino. If you e.
GNU LESSER GE	NERAL PUBLIC	LICENSE	A
/ersion 3, 29 Ju	ine 2007		
Copyright (C) 2	007 Free Softw	are Foundation, Inc. <	http://fsf.org/>
Everyone is per locument, but (mitted to copy changing it is no	and distribute verbatim ot allowed.	copies <mark>o</mark> f this license
This version of f and conditions o by the additiona	the GNU Lesser of version 3 of 1 al permissions lis	General Public License the GNU General Public sted below.	incorporates the terms License, supplemented
Cancel	Nullsoft Inst	all System v3-0	I Agree
		.un 575000 1010	TAgree
Arduino Setu	up: Installation	1 Options	
Arduino Setu	up: Installation the components 't want to instal	you want to install and II. Click Next to continue II. Install Arduino II. Install USB driv Create Start M Create Deskto Associate .ino	uncheck the components e. software ver lenu shortcut p shortcut files

(remember your installation directory)

Arduino Setup: Installation Folder	-	- • •
Setup will install Arduino in the following fold folder, click Browse and select another fold installation.	der. To install in a er. Click Install to	a different start the
Destination Folder		
C:\Program Files (x86)\Arduino	E	Browse
Space re <mark>quired: 482.4MB</mark> Space available: 41.9GB		
Cancel Nullsoft Install System v3.0	< Back	Install

Adeept www.adeept.com

Show details	: ranlib.exe s	
Cancel	Nullsoft Install System v3.0	< Back Close
Complet	ed	
Output folder: Extracting pro Extract: arduin Extract: arduin Extract: arduin Extract: arduin Extract: arduin	D:\arduino main\Arduino gram files no-builder.exe 100% no.exe no.l4j.ini no_debug.exe no_debug.l4j.ini	

2.2. Install the library files

Enter https://www.adeept.com/learn/ on browser, and download the code, library

files and driver file.



			P = A Search	•••••••••••••••••••••••••••••••••••••
Adeept - Learn - Index ×				
	🔔 Sign In or Join Free		Currency: USD	~
	E Adeept	Search	Search 🔀 Cart 💭 Wish List	
		Store Forum Blog	Learn Videos Wiki	
	nr Robot Kit			
	PiCar-A WiFi 3WD Smart Robot Car Kit for Item Code: ADR011	Adeept RaspArm Robotic Arm Kit for RPI Item Code: ADR017	Adeept DarkPaw Spider Robot Kit for RPI Item Code: ADR016	
	Adeept RaspClaws Spider Robot Kit for RPi Item Code: ADR015	Adeept AWR 4WD Smart Car Kit for RPi Item Code: ADR014	Adeept RaspTank Smart Robot Car Kit for RPi Item Code: ADR013	
	Mars Rover PiCar-B Smart Robot Car Kit for Raspber Item Code: ADR012	Adeept New Robotic Arm Kit(V3.0) for Arduino Item Code: ADA031	Omnidirectional Wheels Smart Car Kit for Arduino Item Code: ADA030	
	2-Wheel Self-Balancing Upright Car Robot Kit for A Item Code: ADA024	3WD Bluetooth Smart Robot Car Kit for Arduino Item Code: ADA021	Hexapod Spider Robot Kit for Arduino Item Code: ADA022	
	4WD Remote Control Smart Car Kit for Arduino Item Code: ADA017	Adeept Quadruped Robot Kit for Arduino Item Code: ADA032		
	🔯 Arduino			
	Indoor Environment Monitoring Kit Weather Item Code: ADA018	RFID Starter Kit for Arduino UNO R3 Item Code: ADA006	Ultimate Starter Kit for Arduino Mega2560 Item Code: ADA010	
	Ultimate Starter Kit for Arduino UNO R3 Item Code: ADA008	Super Starter Kit for Arduino UNO R3 Item Code: ADA002	Project 1602 LCD Starter Kit for Arduino Item Code: ADA005	
	Ultrasonic Distance Sensor Starter Kit for Arduino	Starter Kit for Arduino UNO R3	Primary Starter Kit for Arduino UNO R3 with 27	~

Copy the four library files Adafruit_NeoPixel, Servo,IRremote and SR04 to the libraries file in the installation directory of Arduino IDE.

🙀 quadruped_robot.zip (evaluation copy)	0	
File Commands Tools Favorites O	iptions Help	
Add Extract To Test View	Delete Find Wizard Info	
T quadruped_robot.zip - ZIP a	archive, unpacked size 3,492,446 bytes	*
Name Size Pi	acked CRC32	
<u>*</u>		
IKremote		
Adafruit NeoPi		
sR04		
3 Servo		
Arduino GUI.rar 11,602 1	11,602 04FEFAA9	
Adeept driver 2,811,869 2,81	11,869 8B7B4C	
		Total 5 folders and 2,823,471 bytes in 2 files











2.3.Install the driver

1.Connect the control board and open Arduino, you will see the serial port is not accessible, meaning that you have not installed the serial port driver.

	💿 sketch_may14a J	Arduino 1.8.9	- • •	
	File Edit Sketch To	Auto Format	Ctri+T	
cycle Bin	sketch_may14	Archive Sketch		
	void setup() // put your	Manage Libraries Serial Monitor	Ctrl+Shift+I Ctrl+Shift+M	
ww.adee	E	Serial Plotter	Ctrl+Shift+L	
	void loop() { // put your	WiFi101 / WiFiNINA Firmware U Board: "Arduino/Genuino Uno"	pdater	
	F.	Port Get Board Info	·<	
sept driver		Programmer: "AVRISP mkII" Burn Bootloader	•	
Johren				
ept driver				
			Arduino/Genuino Uno on COMB	

2.Open the driver program, install corresponding driver according to the computer operating system.

Computer	→ Adeept driver → File Edit View Tools Help	▼ 49 Search Adeept driver	
	Organize ▼ Include in library ▼ Share with ▼ Burn	New folder 🔠 🔻	
Recycle Bin	Favorites Desktop Downloads Character Desktop Downloads Character Character Decuments Music Pictures Videos Monegroup Computer	Date modified Type Size 4/26/2019.23 PP Text Document 4/26/2019.23 PP NET ZIP 医暗炎件 2,33 4/26/2019.23 OP MFZ ZIP 医暗炎件 1.0 2.34 4/26/2019.23 OP MFZ ZIP 医暗炎件 1.0 4/26/2019.23 OP MFZ ZIP 医暗炎件 1.0 2.34 A/26/2019.23 OP MFZ ZIP 医暗炎件 1.0 4/26/2019.23 OP MFZ ZIP 医暗炎件 1.0 2.4 Android 2.4 4/26/2019.23 OP MFZ ZIP 医暗炎件 1.0 2.4 Android 2.4 4/26/2019.23 OP Mexicound 2.4 Android 2.4 2.4 4/26/2019.23 OP Mexicound 2.4 Android 2.4 2.4 4/26/2019.23 OP Mexicound 2.4 Android 2.4 2.4 Mexicound Mexicound 2.4 Android 2.4 2.4 2.4	1 K8 50 K8 9 K8 19 K8 17 K8
arduno - Sharaut	Software (D) 5 fiems WWW.adeep	ot.com	



puter	Adeept driver		earch Adeept driver		
	File Edit View Tools Help				
7	Organize 👻 🚍 Open Share with 👻 Burn	New folder	8== •	0	
	Favorites AName	Date modified	Type Size		
Bin	Desktop Adeept driver introduction	4/26/2019 2:37 PM	Text Document	1 KB	
	Downloads 🗰 CH341SER ANDROID	4/26/2019 2:30 PM	好压 ZIP 压缩文件 2.	360 KB	
	🖳 Recent Places 🛛 🚔 CH341SER_LINUX	4/26/2019 2:30 PM	好压 ZIP 压缩文件	9 KB	
	패 DriverSetup(X64)	N a la	好压 ZIP 压缩文件	149 KB	
dee	Calibraries	Install	Application	277 KB	
ame O Not	Videos INSTALL VCH.CN Videos UNITISTALL VCH.CN Computer System (C) Software (C) CH3415EFL/Windows Date modified: 4/26/2019 CH3415EFL/Windows Date modified: 4/26/2019	SERIAL CH340 91/39/2019, 3.5.2019 2.30 PM Date created: 4/26/2019	130 PM		
diiver					
diver					
diver		Arduino/Genvino Uno on COM8			
diver		Arduine/Genuine Une on COM8			

	File Edit View Tools Help	V V Search Adeept driver
	Organize Organize Name Name	8 ▼ □
le Bin	Pavorites Desktop Downloads Recent Places Construction Construction	4/26/2019 2-37 PM Text Document 1 KB 4/26/2019 2-30 PM 好五 ZP 王确文件 2,360 KB 4/26/2019 2-30 PM 好五 ZP 王确文件 9 KB
dee	DriverSetup(X64) Device Driver Install / UnInstall	田 図 M 好玉 ZP 王總文件 149 KB Application 277 KB
tdiwar	Music Select IN Drivestup Videos Videos UNINSTR UNINSTR	3.5.2019
o no- tcut	Computer System (C) Software (I CH341SER_Windows Date modified: 4/26/2019 2:30 PM	Date created: 4/76/2019 2:30 PM
l dinver	Application Size: 276 KB	
	An	Auna/Genuins Uns en COM8
diver		SuindGenuins Ure en COMB



4.Now you will find the Arduino serial port is accessible (different computer configuration has different serial port).



2.4. Upload program.

1.Turn on the power and switch program upload to 0.



druped_robot_wifi Arduino 1.8.9		
t Sketch Tools Help		
Auto Format Ctrl	T	
Archive Sketch		
Fix Encoding & Reload		
Se Manage Libraries Ctrl	Shift+1	
Se Serial Monitor Ctrl	Shift+M	
Se Serial Plotter Ctrl	Shift+L	
Se WiFi101 / WiFiNINA Firmware Updater		
Board: "Arduino/Genuino Uno"	Boards Manager	
Se Port: "COM108"	A	
Se Get Board Info	Arduino AVR Boards	
Se Programmer: "AVRISP mkII"	Arduino Yún	
Burn Bootloader	Arduino/Genuino Uno	
har scatusr - 07	Arduino Duemilanove or Discimila	
char ilL1 = 0;	Arduino Nano	
char motorspeed = 20;	Arduino/Genuino Mega or Mega 2560	
char angle_a;	Arduino Mega ADK (2)	
<pre>// char range = 15;</pre>	Arduino Leonardo	
// char a,b,c,d;	Arduino Leonardo ETH	
char movespeed = 20;	Arduino/Genuino Micro	
<pre>int anglerange =4;</pre>	Arduino Esplora	
	Arduino Mini	
char angle0 = 105;	Arduino Ethernet	
char angle1 = 95;	Arduino Fio	
char angle2 = 90;	Arduino BT	
char angle3 = 103;	LilyPad Arduino USB	
char angle4 = 115;	LöyPad Arduino	
char angle5 = 90;	Arduino Pro or Pro Mini	
char angle6 = 85;	Arduino NG or older	
char angle7 = 85;	Arduino Robot Control	
char angle8 = 90;	Arduino Robot Motor	
char angle9 = 75;	Arduino Gemma	
char angle10 = 70;	Adafruit Circuit Playaround	
char angle11 = 90;	Arduino Yún Mini	
char angle judge max = 5;	Arduino Industrial 101	
char angle judge min = -5;	Lining One	
	Arduino Uno WiFi	
	FSR2MA Modules	
< [General: FSPR266 Module	
	Generic: FSP8285 Module	
	ESPIDiéne (ESP.13 Module)	
	Adafruit HUZZAH ESP8266	
	ESPresso Lite 1.0	
	ESPresso Lite 2.0	
		Artuin (Carules Line on C

and colocit the control beard 20-

3.Select serial port(different computer configuration has different serial port)

😒 quadruped_robo	Lwifi Arduino 1.8.9	and the second se			
File Edit Sketch To	ools Help				
	Auto Format	Ctrl+T			Q.
	Archive Sketch				
quadruped_rob	Fix Encoding & Reload				■
16 56	Manage Libraries	Ctrl+Shift+I			*
17 Se	Serial Monitor	Ctrl+Shift+M			E
18 Se	Serial Plotter	Ctrl+Shift+L			
19 Se	WiFi101 / WiFiNINA Firmware Updater				
20 Se 21 Se	Board: "Arduino/Genuino Uno"	,			
22	Port "COM108"	Serial ports			
23 ch	Get Board Info	COM1			
24 ch	Programmer: "AVRISP mkII"	✓ COM108	$< \square$		
(3)	Burn Bootloader		N		
China a	angle_a,				
28 // ch	ar a.b.c.d.		(4)		
29 char	movesneed = 20:		<u> </u>		
30 int	anglerange =4:				
31					
32 chas	angle0 = 105;				
33 char	angle1 = 95;				
34 char	angle2 = 90;				
35 char	angle3 = 103;				
36 chas	angle4 = 115;				
37 char	angle5 = 90;				
38 char	angle6 = 85;				
39 char	angle7 = 85;				
40 char	angle8 = 90;				
41 char	angle9 = 75;				
42 chaz	angle10 = 70;				
43 char	angle11 = 90;				
44 char	angle judge max = 5;				
45 char	angle judge min = -5;				
4.6					
47					
4.8					
49 #defir	e PIN A1				
50 #defir	e led numbers 6				-
·					•
					Arduins/Genuiso Uns on COM108
(7)			∞		🖷 🐣 📀 🖉 🔈 👀 🗊 18:01
					2015/1/6



5.Upload program.

Two sets of code are provided, the infrared remote control (four_feet_robot_wifi) and wifi control (four_feet_robot_infrared). Upload the code according to your need.



Because the servo has a certain angle error, when you finish installing the servo, you may find that the four legs of the robot cannot stand on the same level, and you need to fine-tune the angle through the program. (The variable angle0-angle11 corresponds to 12 servos respectively)





6.After uploading, turn off the power and switch to 1, and then turn it on.







After the Wi-Fi and attitude sensor are debugged (about 30 second), LED changes to blue.

Now you can start to control the robot. (Note: After turning on the power, lay flat the robot when the LED does not turn to blue yet. Do not move the robot during the process because the attitude sensor is calibrating and reading the data.)

Install the servo: When the LED turns blue, install the servo (do not turn off the power).

3.Assembly

3.1.Preparations before Assembly

1.Connect the Adeept Ultrasonic Module with 4-Pin wire.









3.2. Servo debugging



3.3 Install and Remove Batteries

1.Put two 18650 batteries in 18650 Battery Holder Set according to the following method.







In the following installation process, it is required to connect the servos to the AdeeptPixie The AdeeptPixie will automatically check the servo angle and rotate it to the appropriate position.





3.4 Assemble the legs

The following is the installation of one of the legs. For the other three legs, please refer to the following installation.























The above is the installation of the leg on one side of the robot. For the installation of the other side of the leg, refer to the picture below (the legs on both sides are symmetrical).



3.5 Assemble the other parts of the robot

1.Assemble the battery holder.





Install the rocker arm.



36







Install the lights.













Assemble the legs with the acrylic plate with the rocker arm installed (the servo needs to be in the state of debugging)





Assemble Adeept Ultrasonic Module.



































4. Program debugging

After the assembly is completed, the error of the servo itself will cause an angle de viation of the robot's foot. At this time, each leg of the robot needs to be adjusted to the correct angle as shown in the following figure by modifying the program. Only then the robot can work normally. Refer to the following link for video tutoria l: https://www.adeept.com/video/detail-68.html



5.Install the upper computer control software Python

5.1.Download software

1.Open the URL in your browser: <u>https://www.python.org/downloads/</u>

Download corresponding version according to your computer operating system:

				Donate				
				ty Success Sto				
				~				
Do	wnload the la	atest versio	n of Python					
Do	wnload Python 3.7.3							
	ing for Puthon with a dil	ferent OS? Duthon fo	Windows					
Linu	x/UNIX, Mac OS X, Other	nerent ost i yulon lo						
				Å				
Dock	ter images							
Look	ing for Python 2.7? See I	below for specific rele	ases					
							_	
	Contribute to	o the PSF by Purchas	ng a PyCharm License. All pri	oceeds benefit the PSF	Donate Now			
Looking for a	specific release?							
Python releases b	y version number:							
Palanaumin	Palaasa	4.4.4			Click for more			
Release version	Release	date	<u> </u>		CUCK for more			
Python 3.7.3	March 25	, 2019	Z Downl	080	Release Notes			
Python 3.4.10	March 18	, 2019	🕹 Downl	oad	Release Notes			
Python 3.5.7	March 18	1, 2019	& Downl	oad	Release Notes			
Python 2.7.16	March 4,	2019	S Downl	oad	Release Notes			
Python 3.7.2	Dec. 24, 2	2018	& Downl	oad	Release Notes			
Python 3.6.8	Dec. 24, 3	2018	S Downl	beo	Release Notes			
Python 3.7.1	Oct. 20, 2	2018	& Downl	oad	Release Notes			
Duthon 3.6.7	Oct 20.3	anie	. Downl	head	Rolaxce Notac			
ware Foundation [US] https://www.pj ceruncare variation	thon.org/downloads/re	lease/python-374/	A N	<u>6 P</u>		B. 8	-	
ware Foundation [US] https://www.pp ceruncare vanoarm Full Changelog	rthon.org/downloads/re	Hease/python-374/		0. F	8			
ware Foundation [US] https://www.purefoundation [US] https://www.purefoundation.gov/ enumerationality.com/ Full Changelog Files	/thon.org/downloads/re	Hease/python-374/	A B	<u>.</u>	P I			
ware Foundation [US] https://www.zp consider reasource Full Changelog Files Worsion	Atton.org/downloads/ref	Hease/python-374/	Description	MD5 Sum	P I	File Size	GPG	
www.e.Foundation.(US) https://www.ps ctum.cate variable cuture.cate uttchangelog Files Wersion Gapoed Source tarbit	Ython.org/downloads/ref	Nease/python-374/ exect contact	Description	MD5 Sum 6911167165b2	zdi+aeffb9ab01bf0f9be	File Size 23017653	GPG SIG	
Average of the second sec	Nhon.org/downloads/re are and use accust Certist entropy and accust Certist III to be barball	Nease/python-374/ exect contact Operating System Source release Source release	Description	MD5 Sum 6811167165b2 d33etaae6600	tdb4aef709ab01bf0%be	File Size 23017663 17131432	GPG SIG SIG	
wate Foundation [US] : https://www.py userincase variance Full Changelog Files Wenion Grapped source tarbs Xz compressed source macro 64 biftig2 ab	rthon.org/downloads/re- wr min/ twe answer currier ni et arhali installer	Operating System Source release Source release	Description	MD5 Sum 68111671e5b d33e4ae6607 r 6428b4a7833	stb4aer[10/jab0]b00%be 70551_26ca45es364803 70551_124c245es364803	File Size 23017663 17131432 3889816	GPG SIG SIG SIG	
wate Foundation [US] https://www.pg ucruincate traveator Full Changelog Files Version Gdipped source tarba X2 compressed sourc macOS 644 bit(7322 bit macOS 644 bit(732)	ython.org/downloads//eta ar anior site zarkaz' carrier til til te carball trastaller rr	Operating System Source release Source release Mac OS X Mac OS X	Description for Mac DSX 10.6 and later for OSX 10.9 and later	MD5 Sum 68111671e5b; d33e4aae600; 6428b147820; 56d605C3821;	cds+aerT09ab201bf09be 770512ceas4sex804003 daf1a+12cba82ce386 daf1a+12cba82cb11	File Size 23017663 17131432 34938416 2002245	GPG SIG SIG SIG SIG	
ware Foundation [US] https://www.pr commane reasons Full Changelog Files Version Gopped source turbs X2 compressed sourc macros 64-bit investant Windows heigh files	rthom.org/downloads/re arraine one ansair service the ansair service et anball motalier r	Operating System Source release Source release Mac OS X Mac OS X Windows	Description for Mac OS X 10 & and later for OS X 10 9 and later	MDS Sum 68111671e5b: d33e4aae600 - 6428b4fa7583 6406053221 d699957322	2894aer/Tobab010/09be 77051.29ca45ex3694803 daff3a42.balace0866 fa457731bf6e49938b241f fa457731bf6e49938b24f	File Size 23017653 17131432 34898416 280982845 8131761	GPG 516 516 516 516 516 516 516	
terminate variable certimate variabl	rthon.org/downloads/re arr and use ansatz series a state and a series and a series a series and a series and a series a series and a se	Operating System Source release Source release Mac OS X Windows Windows	Description for Mac OS X 10.6 and taten for OS X 10.9 and taten for AMD64/EMA+Tyte4	MDS Sum 68111671e5b; 433e4aa6600 6428b4fa7583 56d605c3821 4639957322 9500cc8cf6d9	k8b4aeffb3ab01bf09be 7051.ceca45e4304a03 daff1a412cba1cec045e 745772bfc4a45942b21f1 00522c55cc4de54475d2	File Size 20017663 17331452 34898146 20082845 8131761 8131761 7594991	GP6 SIG SIG SIG SIG SIG SIG	
wate Foundation [US] https://www.pp usersearce Full Changelog FileS Venion Gipped source table X2 compressed sourc mac/OS 64 bit(22 and Windows 186-64 end Windows 886-64 end Windows 886-64 end Windows 886-64 end Windows 886-64 end	rthon.org/downloads/re- rthon.org/downloads/re- rt etarball installer rt weddable zip file utable installer	Operating System Source release Source release Mac OS X Windows Windows	Description for Mac OS X 10.6 and later for OS X 10.9 and later for AMD64/EM64T/M64	MD5 Sum 68111671e5b; d3aeaae600; 6424a4fa7833 5dd605c3821; d3999573a2; 9b00c2c6fd8e; a702b4b0a47;	284486710980210199be 77051.28243582304803 daff2.4422ba3ce6086 fa457728/5e49308b241f 0882a4564466477d2 0882a45644664477d2	File Size 2001768 31731432 3489316 200285 8131761 759491 2660368	6P6 516 516 516 516 516 516 516 516 516	
water Foundation [US] https://www.pg ucruincater transactor Full Changelog FileS Version Gdyped source tarbs XC compressed sourc macOS 64 bit mistal Windows She6 4 wei Windows She6 4 wei	nthon.org/downloads/re nt end wir accusi t versus til te tarball installer r v eddable zp file ustable installer -based installer	Deprating System Source release Source release Source release Windows Windows	Description for Mac COS X10.6 and later for OS X10.9 and later for AMD64/EMA4T/In64 for AMD64/EMA4T/In64	MD5 Sum 69111671e5b2 d33=4aae600 c428b4a753 56d605c3821 d63999573a2 9500c8cfd89 a7022b00d9 a7022b00d9 a7022b00d9	cdb-4ae77593b012b099be 77051c2eca45ee3604003 ddf1a+22c36ce46b ddf1a+2425772bf6ea3092b241 06102x54ca4e5b47c42 c08babe813b44772b2 SeebBb30435855651000	File Size 23017653 17231492 2409245 8131761 7504931 2650356 1325294	GP6 SiG SiG SiG SiG SiG SiG SiG	
	rthon.org/downloads/re arrand une accur version et arbati et arbati motalier et arbati motalier extable installer -based installer dable ap file	Openating System Source release Source release Mac 05 X Windows Windows Windows Windows Windows	Description for Mac OS X10.6 and tatlet for OS X10.9 and tatlet for OS X10.9 and tatlet for AMD64/EM64T/tie4 for AMD64/EM64T/tie4	MDS Sum 68111671e5b; d33e4aa660; c428b467583 5d6065321; d53e572a2 9b00c8cfcd5e a702ab0a4; g4bb81684	289-44477/b/04/02/01/09/be 77051.29/ca4549-369-4603 04713-42-03440-4604 044577.31654-499-380-2117 0420-24542-464-04-04-04 0202-24542-464-04-04 0202-24542-464-04-04 0212-24542-464-04-04 0212-24542-45-04-04 0212-24542-45-04-04 0212-24542-45-04 0212-2454-2454-25-04 0212-25-04-04 0212-25-04-04 0212-25-04-04 0212-25-04-04 0212-25-04-04 0212-25-04-04 0212-25	File Size 23017653 17131432 34095416 23002845 6131761 7504391 2660368 13260368 13260346 6741525	GP6 SIG SIG SIG SIG SIG SIG SIG SIG SIG	
Pre Foundation [US] https://www.ps ceruinaie seasant Puil Changelog Files Version Carpered source tarbs X2 compressed source macc05 64-bit;32:8et macc05 64-bit;32:8et macc05 64-bit;32:8et macc05 64-bit;32:8et windows x86-64-emet	rthon.org/downloads/re arrand die adduit of the adduit of	Correcting System Source release Mac OS X Windows Windows Windows Windows Windows Windows Windows	Description for Mac DS X 10.6 and tater for OS 1.10.9 and tater for AMD64/EMAT/In64 for AMD64/EMAT/In64	MDS Sum 68111671e50; d33e4aa6600; 6428b4fa7583; 566655,831; 506056,8636; a702b400acffd8; a702b400acffd8; s6babbabff84; 33cc662942a5;	db4aef7b3ab01bf0%be 7051/2ea45e4304803 ddf1a442cbatce0be 44577b164e4339b2111 00f2a265e2a46e439b22111 00f2a265e2a46e439b22111 00f2a265e2a46e439b2114 00f2a265e2a46e439b2114 00f2a4513354554300 977ae6e53a30451b402 977ae64343354513404	File Size 2001763 17313422 3499416 2000246 8131761 7569318 136294 674126 2566348	6P6 516 516 516 516 516 516 516 516 516 51	
wate Foundation [US] [. https://www.pg Let unit-active research Full Changelog Files Version Gapped source tarba R2 compression Source tarba R2 compressi	nthon.org/download//re arr and wir actors ' terror att te tarbali installer weldable zip file weldable zip file weldable zip file dable zip file dable zip file dable zip file dable zip file	Approximation of the second seco	Description for Mac OS X 10 6 and table for OS X 10 9 and tater for AND64/EM4T/b64 for AND64/EM4T/b64	MD5 Sum 68111671e5b 331647a563 56d695c3821 56d695c822 9500c8c6d9e a702b+b0ad7 2cbc1bc08bb 95abba16a 33cc602942a5 1b670c154331	Ldb+aef1b3ab01bf09be 17051.2ce456e304003 daf11a42cba8ce08e6 149772bf2e4939b241f 0502ac564e4939b241f 0502ac564e4939b241f 0502ac564e4939b241f 0502ac564e4934b241f 0502ac564e4934b241f 12754e4534b531fb3b4b21 12754e3453453f515479478 4444534d5451f737413948 70182239838ea371d87c	File Size 200769 317331432 34938416 2008285 8131761 755491 26680588 1362094 674155 26680588 1362094 674155 26681388 1362094 674155 26681388 1362094 1374608	GPG SIG SIG SIG SIG SIG SIG SIG SIG SIG SI	
water Foundation [US] https://www.pg actunicate/transition Full Changelog FileS Version Gopped source tarba X compression down Mindows Alse General Windows Sals General Windows Sals General Windows Sals General Windows Sals General Windows Sals General	then.org/downloads/re are and use accust versus the tarball retarball retarball retarballe retar	Operating System Source release Source release Source release Mac OS X Windows Windows Windows Windows Windows Windows	Description for Mac OS X 10 & and later for OS X 10 9 and later for AMDG4/EMA4T/n64 for AMDG4/EMA4T/n64 for AMDG4/EMA4T/n64	MD5 Sum 68111671e5b d 33e4ae660 e 6428447573a2 56d6055382 56d6055382 56d0555382 56d0555382 56d0555382 56d0555382 56d0555382 56d05555382 56d0555555 56d0555555 56d0555555 56d05555555 56d05555555555	289-44-77/b79-b00 D0/99-be 77051 292-445-92 369-4603 adm3-44-22 30-20-20-20-20-20-20-20-20-20-20-20-20-20	File Size 23017653 17331452 34093416 2003761 34093416 200308 3131761 1362094 6741525 26561840 1324008	696 5/6 5/6 5/6 5/6 5/6 5/6 5/6 5/6	
Avante Foundation [US] https://www.pu counsele reactor Full Changelog Build Changelog Copped source turbs Siz poor source turbs S	rthon.org/downloads/re arrando line abstate services et arbatil motaliter rr eeddable zip file utable installer -based installer dable zip file dable zip file dable zip file dable zip file dable zip file	Operating System Source release Source release Source release Mac 05 X Windows Windows Windows Windows Windows Windows Windows Windows	Description for Mac OS X 10.6 and tate for OS X 10.9 and tater for AMD64/EMA4T/tie4 for AMD64/EMA4T/tie4	MDS Sum 69111671e5b; d33e4aa6600; 6428b4674383 5466653221; 9b00c8cfcd9e a702b400a47 9b00c8cfcd9e a702b400a47 9cb012b415 9b00c8cfcd9e a702b400a47 9b00c8cfcd9e a702b400a47 9cb012b415 9cb012b415 <tr< td=""><td>289-4ae(Th03b01b06)be 77051.26ca45e360-4833 daf13a+26a3ee0866 daf13a+26a3ee0866 fa45773bf5e4a936b21H2 266b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b484534554359 367b4844333555400 372a865343565314589 372a8653431468 372a8653431468 372a86534356531468 372a8653431468 372485 372</td><td>File Size 23017663 17131432 34698146 20028245 8131761 7554391 2569358 1302904 6741555 2569346 132468</td><td>6P6 586 586 586 586 586 586 586 586 586 586</td><td></td></tr<>	289-4ae(Th03b01b06)be 77051.26ca45e360-4833 daf13a+26a3ee0866 daf13a+26a3ee0866 fa45773bf5e4a936b21H2 266b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b3b483159+46723a2 366b3b484534554359 367b4844333555400 372a865343565314589 372a8653431468 372a8653431468 372a86534356531468 372a8653431468 372485 372	File Size 23017663 17131432 34698146 20028245 8131761 7554391 2569358 1302904 6741555 2569346 132468	6 P6 586 586 586 586 586 586 586 586 586 586	
Analysian and a second and a second a secon	rthon.org/downloads/re arrans/ore accurs within et arball mstatler rr et abale zip file watche instatler -based instatler -based instatler et instatler -based instatler	Operating System Source release Source release Mac 05 X Windows Windows Windows Windows Windows Windows Windows Windows	Description for Mac OS X 10 6 and tater for OS X 10 9 and tater for AMD64/EMA4T/tic4 for AMD64/EMA4T/tic4	MD5 Sum 65111671e5b; d33e4a46600 642b4674383 5660653821; 56406563821; 4702340047 9b00c8cf6d9e 4702340047 9b00c8cf6d9e 47023450047 9cb1568b1684 33cc60294285 1b670cfs5d31	289-44717034021016/05/96 77051.22ec34543604803 048173426434543664803 04817342643436421142 02022454240464142 0202245424046431472 02024254542406431472 0202425424340545144072982 046043130245124094 047124210913643133741306	File Size 23017663 17131432 3409416 2802845 8131761 7504391 2660358 130294 674155 2566346 132408	CPG 505 505 506 506 506 506 506 506 506 506	
About	nthon org/download//r an enc ore access to encore at the tarball or weldable app file utable installer -based installer -based installer able a pile sed installer able a pile		Description for MAC 05 X 10 6 and later for O5 X 10 9 and later for AMD64/EM44T/x64 for AMD64/EM4T/x64 f	MDS Sum 68111671e5b; 433e4aac600; 6428b4fa7583 56665c3821; 56665c4821; 9500c8c4634; 9500c8c4634; 950b31864 93b3b81864 93b3b81864 93bc7c45331 1b670c453331	cb4+aeff03ab01bf09be 7051.Czeca45e4304030 daff1a+12cba3ce60be4 7052.S2e5c2de6b47322 Sobabe3154-4493052411 Sobabe3154-4493052411 Sobabe3154-4493052411 Sobabe3154-4493052411 Sobabe3154-4493052411 Sobabe3154-4493052411 Sobabe3154-4493052411 Sobabe3154-4493052411 Sobcess Shories	File Size 2016 112142 3489416 2002845 01701 2690366 12204 674125 2660368 132468	696 50 555 555 555 555 555 555 555 555	
water Foundation [US] [https://www.gpuscheardsoftware.gpuscheards	rthon.org/downloads/re rt en end wir accus ' versor et arbeit instalier r de dabe zp file ustable instalier -based instalier	Correcting System Source release Source release Mac GS X Mindows Mindows Windows Wind	Description for Mac CSX 10.5 and later for OSX 10.9 and later for AMD64/EMA4T/A64 for AMD64/EMA4T/A64 for AMD64/EMA4T/A64 emails for AMD64/EMA4T/A64 for AMD64/EMA4T/A	MD5 Sum 6811167125b2 d33e4aae600 642054673823 56605024 35000567639 3000267639 9500587639 9500587639 9500587639 9500587639 9500587639 9500587639 9500587639 9500587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950587639 950597639 950597639 950597639 9505977639 9505977639 9505977639 9505977639 9505977639 9505977639 950597777777777777777777777777777777777	dd-4ae77b93b01b0fbee 7705L72eca45ee3604803 ddf1ae420baece686 ddf1a	File Size 23017693 17331492 34898416 24017693 17331492 34898416 2500006 130204 6741625 25663848 1224608 News Python News	696 36 36 36 36 36 36 36 36 36 36 36 36 36	
water Foundation [US] https://www.pg securities/envelope Files Version Grapped source tarbit X compressed our macros 64 bit motion Windows x86 44 exec Windows x86 44 ex	Athon.org/downloads/re ation of a social services at a social se	Coperating System Source release Source release Mac 05 X Mindows Windows Windows Windows Windows Windows Coperating Windows Coperating C	Description for Mac OS X 10 & and later for OS X 10 9 and tater for OS X 10 9 and tater for ALIG64 (EMe4 T)r64 for ALIG64 (EMe4 T)r64 for ALIG64 (EMe4 T)r64 tor ALIG64 (EMe4 T)r64 tor ALIG64 (EMe4 T)r64 common tast Tables	MDS Sum 68111671e5b; 433e4aae600; 7 6428b467583 433e4aae600; 7 6439957322 9000;26fd9e 302b406d7 94b3b81/884 32cc60242a5 1b670;45331	adb4ae7(7b/ab.0)10/07b/e 7705126ca45ea3604803 adf1aa422ba0ce08be adf1aa422ba0ce08be adf1aa422ba0ce08be adf1aa422ba0ce08be adf1aa42ba0ce08be adf1aa42ba0ce08ba0ce08be adf1aa42ba0ce08ba0ce08be adf1aa42ba0ce08ba0ce08be adf1aa42ba0ce08ba0ce08be adf1aa42ba0ce08ba0ce08ba0ce08ba0ce08ba0ce08ba0ce08ba0ce08ba0ce08ba0ce08ba0ce08ba0ce08ba0ce0	File Size 2301763 17131432 3409416 2002845 631761 631761 17242 3499416 2002845 631761 13260368 13260368 13260368 132604 6741625 2663848 132406 News Piption Hews Community News	CPG 515 546 546 546 546 546 546 546 546	
Availer Foundation (US) https://www.pr /connacte reacted Full Changelog Files Verion Gropped Source tarba Verion Compressed source Mondows safe of energy Windows safe of energy Windows safe of energy Windows safe of exerce Windows	rthon.org/downloads/re arrans/ore.acsus_versus et arrans/ore.acsus_versus et arrans/ore.acsus_versus et able arp file utable installer -based	Correcting System Source release Source release Mac OS X Mac OS X Madows Windows Wind	Description for Mac GS X 10 & and tates for GAC GS X 10 & and tates for AMDG4/EMA4T/164 for AMDG4/EMA4T/164 for AMDG4/EMA4T/164 extension for AMDG4/EMA4T/164 for AM	MD5 Sum 6811167165b; 433e4a46600; 6423b4674383 433e4a46600; 433e4a46600; 433e4a46600; 433e4a46600; 433e4a46600; 433e4a46600; 433e4a6600; 433e4a6600; 432b4504740; 43025450474; 433cc60294285; 1b670cfa5d31 witty survey witty survey titts:	db4aef703ab01bf09be 7051.2rc445e30403 daf1aef20ab01bf03be 7051.2rc445e30403 daf1aef20abce00be daf0abce00be	File Size 2017663 1733432 3495416 2002845 8131761 132044 6741552 2566346 132044 6741552 2566348 132408 724408 Verss Python News Psythens News	696 56 56 56 56 56 56 56 56 56 56 56 56	
Aboot Applications Applicat	rthon ang/downloads/re at a sea our accur twents at the tarball restation instation we deale say file utable instation -based instat		Description for Mac OS X 10.6 and taken for OS X 10.9 and taken for OS X 10.9 and taken for AMO64/EMA4T/n64 for AMO64/EMA4T/n64 for AMO64/EMA4T/n64 common coust Takes Diversit Youtone Mainting ers' Guose Mice	MD5 Sum 68111671e5b; d33e4ae660; 7 6428b487532; 566056321; 566056321; 630956732; 5600266084; 430924205 32022b0047; 3300000000000000000000000000000000000	cdb+ae7109ab01010f9be 770512cea4ex804003 dd11a+12cba82ex816 dd11a+12cba82ex816 dd11a+12cba82ex817 odba82ex816 dd11a+12cba82ex817 odba82ex816 dd11a+12cba82ex817 odba82ex816 odba82ex816 dd11a+12cba82ex817 odba82ex817 dd12c10931ex3714396 r11a+12cba82ex817 dd12c10931ex371437 Success Stories Arts Bualess<	File Size 20017693 17331432 34995416 2003265 8131761 7564991 2056384 132204 6741225 25653846 132204 674122 25653846 1322061 7597100 Python News Community News PyTcon News PyTcon News PyTcon News	6 26 515 515 515 515 515 515 515 515 515 51	
	rthon.org/downloads/re ter end wir accur t versta ter terbal ter terbal rstatier r wither instatier abate instatier abate instatier abate instatier abate instatier be instatier be instatier be instatier be instatier be instatier abate op file terbal be instatier be instatier abate op file be instatier be instatier con		Description for Mac OS X 10.8 and later for Mac OS X 10.9 and later for ALOGA (EMA) for ALOGA (EMA) </td <td>ANDE Sum 68111671e5b: 433e4ae660 5428b467383 5400e86438 463999573a2 463999573a2 463999573a2 500ce86438 4500e86438 4500e86438 5400e86448 5400e86448 5400e8648</td> <td>adb4a77b/bab01b/09be 7051/26ca45ea3664003 adf1a422balce00be 7051/26ca45ea3664003 adf1a422balce00be adf1a42balce00be adf1a42balce00be</td> <td>File Size 2301763 17331432 3493416 2001763 813161 200276 813161 132608 6741626 132608 123608 Pyton Inves Community News Community News Pyton News Pyton News Pyton News</td> <td>56 56 56 56 56 56 56 56 56 56 56 56 56 5</td> <td></td>	ANDE Sum 68111671e5b: 433e4ae660 5428b467383 5400e86438 463999573a2 463999573a2 463999573a2 500ce86438 4500e86438 4500e86438 5400e86448 5400e86448 5400e8648	adb4a77b/bab01b/09be 7051/26ca45ea3664003 adf1a422balce00be 7051/26ca45ea3664003 adf1a422balce00be adf1a42balce00be	File Size 2301763 17331432 3493416 2001763 813161 200276 813161 132608 6741626 132608 123608 Pyton Inves Community News Community News Pyton News Pyton News Pyton News	56 56 56 56 56 56 56 56 56 56 56 56 56 5	
Anterbandiation [US] https://www.py Retrinsient weaken Files Warion Gropped source tarba Retrosoft of the source and Retrosoft of the source and Retrosoft of the source and Windows Alse Ge energy Windows Alse G	rthon.org/downloads/re art and use about version at a second version version at a second version version e tarbalt re eddabe installer dabe installer dabe installer dabe installer dabe installer dabe installer dabe sig file utabe installer dabe sig file dabe si	Contained System Source release Mac GS X Mindows Mindows Mindows Windows Wind	Description for Mac OS X10.6 and later for OS X10.9 and later for OS X10.9 and later for AMD64/EM64T/064 for AMD64/EM64T/064 for AMD64/EM64T/064 andEdition comm tast Tables Diversit for General comm tast Tables Diversit for Malling for Diversit for Diversit for Malling f	MDS Sum 68111671e5b; 68111671e5b; 64320474583 64320474583 6430997322; 9b00c8cfcd9e a7023-b00dP 9sbb3b31884 35cc6024285 35cc6024285 1b670cfs331 Jists xity xity xity xity	cdb4aef1/b3bb0b0be 77051_26ca45e3064031 ddf4aef1/b3bb0b0be 77051_26ca45e3064031 ddf1aef2bace00be ddf1aef2bace00be ddf1aef2bace00be ddf1aef2bace00be ddf1aef2bace00be ddf1aef2bace00be ddf1aef2bace00be ddf1aef2bace00be ddf1aef2bace00be ddf1aef1bab31b44072ba2 ddedb1bab31b44072ba2 ddedb1bab31b44072ba2 ddedb1bab31b44072ba2 ddedb1b31b1b4b351b4b407 ddf4bab1351b4b47 ddf0bab3151b4b67 ddf1aef1bab3151b4b47 ddf0bab3151b4b7 ddf1aef1bab3151b4b7 ddf1aef1bab3151b4b7 <td>File Size 23017653 23017653 17131432 34898146 2802845 8131761 132404 674125 2569386 1324068 754191 2669386 1324068 674125 Community News Python News Pythons Pythons Pythons</td> <td>600 360 360 360 360 360 360 360 360 360</td> <td></td>	File Size 23017653 23017653 17131432 34898146 2802845 8131761 132404 674125 2569386 1324068 754191 2669386 1324068 674125 Community News Python News Pythons Pythons Pythons	600 360 360 360 360 360 360 360 360 360	





2. Download completed, open the program and install Python.

3.Select the option or you can't be able to control the robot.





Computer python/37				
Recycle Bin	Python 3.7.3 (64-bit) Setup	Install Python 3.7.3 (64-bit)		
www.sidee	2	Select Install Now to install Python with default settings, or choose Customize to enable or disable features. Install Now C\User\Administrator\AppData\Local\Programs\Python\Python37 Includes IDLE; pip and documentation Creates shcruist and file associations		
Addeptedwer Reconstructions Shortcut	python	Customize installation Choose location and features		
AdeepiRob	wind <mark>ows</mark>	Install launcher for all users (recommended) Add Python 3.7 to PATH Cancel		
Addeept driver			EN 🔺 隆 👔 л Ф	11:08 AM 5/23/2019

4. Choose different installation path base on your needs.

5. Wait to complete.

🧔 🏂			
Computer python-3.7			
8			
Recycle Bin	Python 3.7.3 (64-bit) Setup		
vww.adce		Setup Progress	
	9	Installing:	
		Python 3.7.3 Development Libraries (64-bit)	
Adeept driver			
$\mathbf{\rho}$			
arduine - Shortcut	puthon		
	windows	Carrol	
	WINDOWS	Currer	
AdeepiKoo		www.adeept.com	
Adeept driver			
0			EN 🔺 隆 🗊 and 🕸 5/23/2019





6.Open the software and you can control.

♪ Size 14 KB 1 KB 8 KB
Size ■ 14 KB 1 KB 8 KB
BEE ▼ 11 @ Size 14 KB 1 KB 8 KB
Size 14 KB 1 KB 8 KB
14 KB 1 KB 8 KB
1 KB 8 KB
8 KB



			6			23
We C:/Windows/py.exe		• • • • • • • • • • • • • • • • • • • •	search Arduino GU	1		4
176 m	THE REPORT OF TH	v folder				0
🖉 Adeept Arduino Robot		Date modified	Туре	Size		
IP Address:		7/4/2019 10:09 AM	Python File		14 KB	
Connect		7/5/2019 5:02 PM	Text Document		1 KB	
Ade		5/8/2019 5:47 PM	PNG image		8 KB	
Status Disconnected						
The default ID						
A						
Auto Converte Character						
Auto Poliward Steady	*					
Left Backward Right		50 				
Sublime Text S						
Surtem (C)						
A System (C)						_
Python File	Size: 13.7 KB	Date created: 5/23/2019 1:53 P	vi			
PuTTY mpu						
(0:1014)						

5.2. Control the robot.

1. Method of Wi-Fi control is as follows:

(1) After the LED changes to blue, connect the WIFI of ESP8266 (the name of each ESP8266WIFI module is different, but all start with ESP).



(2) Open the control software, the interface is as shown.

(3) Enter the default IP address 192.168.4.1 of the ESP8266 in the IP input box, click the connect button and you can control.

(4)You can see that there are buttons for functions of auto-stability, forward and backward, left and right turn, attack, radar scanning and automatic obstacles avoiding. Press different buttons can achieve different functions.

(5) 5Battery bar shows the battery level. Charge the battery when it shows red.

2.Method of infrared remote control is as follows:

Functions of buttons 2", "4", "6", "8", "5" and "1" respectively are forward, left turn, backward, right turn, self-stable, automatic obstacle avoidance.

(1)Note that when in self-stabilizing state, large range of motions is not recommended, and the angle of inclination is best not to exceed 30 degrees. Otherwise the processor will misjudge, resulting in incorrect data, if the processor misjudge, don't worry about it, the processor can correct itself and return to normal

(2) During the self-stabilization, if too large motion is exerted or it meets unexpected conditions, restart the robot.

(3) peration method: Press and hold W, S, A, D on the keyboard to forward, backward, turn left and turn right. Release to stop. Click Q to enter attack mode(no need to hold it). Click E to obstacles avoiding mode. Click F to self-stabilization mode. Click X to radar scanning mode. If double click WSAD with mouse, the robot will be on constant motion.

(4) Sometimes the Wi-Fi communication button may not respond, it is because that data loss may occur during Wi-Fi transmission. You can try to press other buttons, or restart the robot.

(5) The infrared remote control should be aligned with the infrared receiver. Otherwise, the data received may be incomplete, which may lead to misjudgment.

(6) When using the infrared remote control, if the LED light turns red and the color remains

unchanged for a while, that means the battery voltage is too low; And it's normal if the LED color changes from blue to red, and then changes back to blue. Because when all the motors move together, the output voltage is too large, in that case, the remaining battery power detected by the chip is too low.

6.Afterword

Thanks for purchasing our product and reading the manual! If you spot any errors or have any ideas or questions for the product and this guide, welcome to contact us! We will correct them if any as quickly as possible.

After completing all projects in the guide, you should have some knowledge of the Raspberry Pi and Robot, thus you can try to change the robot into other projects by adding more Adeept modules or changing the code for extended functions.

For more information about Arduino, Raspberry Pi, Smart car robot, or robotics, etc., please follow our website <u>www.adeept.com</u>. We will introduce more cost-effective, innovative and intriguing products!

Thanks again for choosing Adeept product and service!

QUADRUPED ROBOT

Adeept Smart Robot Kit For Arduino



www.adeept.com support@adeept.com

