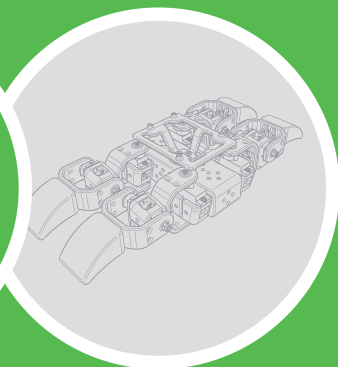


# ALLOBOT<sup>®</sup>

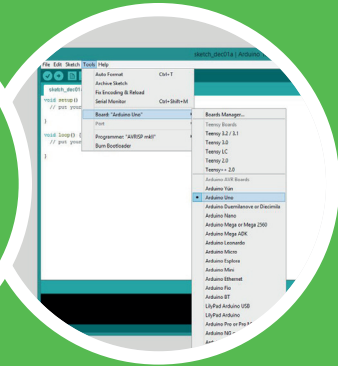
## EXPANDABLE ROBOT SYSTEM

**build.**  
using the  
online manual



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your nearest dealer!

**connect.**  
using the  
Arduino<sup>®</sup> IDE



**learn.**  
to code and  
write sketches

```

//NAME.attach(motorname, pin, init-angle, flipped, offset-angle);
//wait for joints to be initialized;
delay(500);

// ChIP for ready
chIPrc(1, 50);
chIPrc(2, 255);
chIPrc(3, 0);

//INIT sounder
pinMode(sounderPin, OUTPUT);

//wait for joints to be initialized;
delay(500);

void setup() {
  //NAME.attach(motorname, pin, init-angle, flipped, offset-angle);
  BOT.attach(hipFrontLeft,  A1,  45, 0, 0);
  BOT.attach(hipFrontRight, A0,  45, 1, 0);
  BOT.attach(hipRearLeft,   9,  45, 1, 0);
  BOT.attach(hipRearRight,  4,  45, 0, 0);

  BOT.attach(kneeFrontLeft, 11, 45, 1, 0);
  BOT.attach(kneeFrontRight, 2,  45, 0, 0);
  BOT.attach(kneeRearLeft,  10, 45, 1, 0);
  BOT.attach(kneeRearRight, 3,  45, 0, 0);

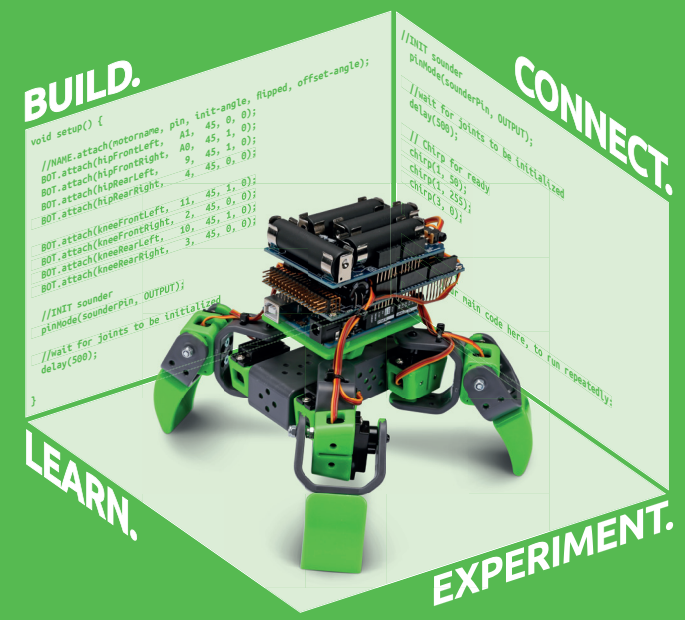
  pinMode(sounderPin, OUTPUT);
}

```

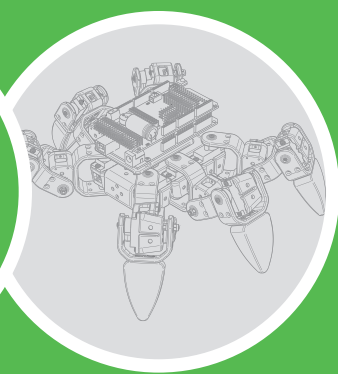
**ALLBOT app**

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**experiment.**  
and modify the supplied  
sketches



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## meet the ALLBOTS.

The ALLBOT is a modular robot system with Arduino compatible robot shields.



### BUILD YOUR FIRST ALLBOT

**VR204** 2 legged ALLBOT

**VR408** 4 legged ALLBOT

Both ALLBOTS are provided with an online manual that includes exemplary codes (Arduino® sketches) to help you program your Arduino® Uno or Arduino® Mega!

find the ALLBOTS on 

## add-ons.

Build and enhance the robot, learn how to program, use the app and have fun!



### EXPAND YOUR ALLBOT

**VR001** IR transmitter to control the ALLBOT with your smartphone (included with VR408)

**VR002** simple sensor pack: thermometer + light sensor + sound sensor

**VR003** advanced sensor pack: gyroscope + accelerometer + magnetometer

**VR006** 2 × 9G servo pack

**VR007** plastic parts pack A

**VR012** 2 servo leg

**VR013** 3 servo leg

**VRBS2** Li-ion battery pack

find more  
add-ons on  
[allbot.eu](http://allbot.eu)

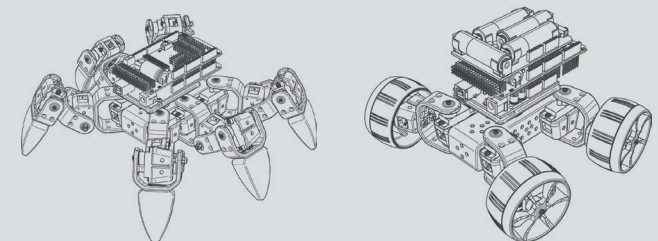
## possibilities.

Feeling creative? You can build your own ALLBOT creation by using the add-ons!



### CREATE YOUR OWN ALLBOT

All parts are open source so feel free to 3D print them yourself!



find the ALLBOTS on 