

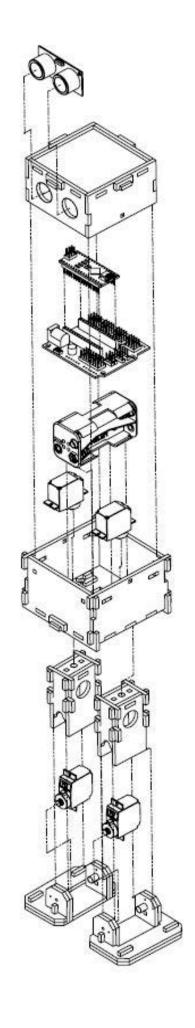
MIIA ASSEMBLY INSTRUCTIONS

WELCOME

Congratulations! You are now the proud new owner of your own MiiA robot. These instructions will take you through everything you need to know on how MiiA is put together and what makes her tick. MiiA is built in the form of a 3D puzzle, so the fun begins immediately. So without further ado, let's jump in!

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What's in the Box

All parts included in the kit are shown in this section.

Part	Preview	Part	Preview
Battery holder	A - 5	Arduino shield	ulti
(1x)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(1x)	
HC06 Bluetooth	[a ppp	Servo Motor	
transceiver		(4x)	
(1x)			0
Arduino Nano	Jil.	M2 cap screw	
(1x)		(8x)	
Ultrasonic sensor		M2 nut	
(1x)		(4x)	
Head – front		Head - back	
(1x)	(00)	(1x)	
Head - left		Head-right	
(1x)		(1x)	
Head - top		Body - base	
(1x)		(1x)	
Body - front and back	<u> </u>	Body - sides	
(2x)		(2x)	
Body - corners	7	Head and body pin	لالم
(4x)	<i>y</i>	(6x)	9079.07.0 0.0 \$509.5

General pin	4	Leg - top	000
(12x)		(2x)	50 00
Leg - bottom plate		Leg - front	- 5-57
(2x)		(2x)	~
Leg - sides		Leg - back	_555
(4x)		(2x)	
Foot - back	(6)	Foot - back	(6)
(2x)	Ď	(2x)	
Foot - front	()	Foot - front	(.0)
(2x)		(2x)	
Foot - top		Foot - base	
(2x)		(2x)	
Foot pin	돠	Foot - axle	
(4x)		(2x)	
USB mini cable	A.S.	Jumper cables	
(1x)		(8x)	
Nut holder			
(4x)			

Putting MiiA Together

This section describes how to assemble the individual parts that make up MiiA.

Head

Part	Preview	Part	Preview
Head – front		Head - back	
(1x)	100	(1x)	
Head - left		Head - right	
(1x)		(1x)	
Head and body pin	[7]	Head - top	,J=L,
(4x)		(1x)	
	How to a	ssemble	

Body

Part	Preview	Part	Preview
Body - front and	۲	Body – sides	
back	3.00	/2×\	
(2x)	р Б	(2x)	
(2/)			
Body - base		Head and body pin	
			רריו
(1x)		(2x)	
Body - corners		Nut holder	
Body - corners	57	Nut floidei	
(4x)	30	(4x)	
General pin	(V <u>aria</u>)(
(4.)			
(4x)			
	How to	assemble	
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i 9 i			
	9 J		
		Da	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	1000		
()	24		
7			

Legs

Part	Preview	Part	Preview
General pin		Leg - top	000
(4x)		(2x)	51 155
Leg - bottom plate		Leg - front	2557
(2x)		(2x)	- 2-2
Leg - sides		Leg - back	_515
(4x)		(2x)	
	How to	assemble	

Feet

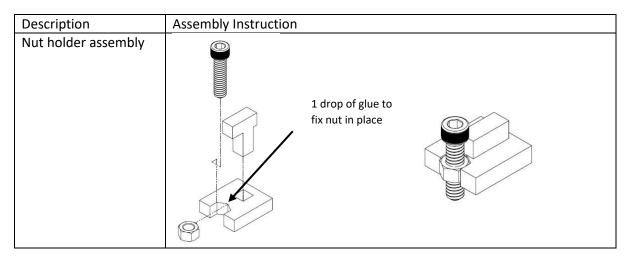
Part	Preview	Part	Preview
Foot - back (2x)	O	Foot - back (2x)	0.0
Foot - front		Foot - front	$\overline{}$
(2x)		(2x)	• 0
Foot - top		Foot - base	
(2x)		(2x)	
Foot pin	57	Foot - axle	
(4x)		(2x)	
General pin			
(4x)	How to assemb	 e	
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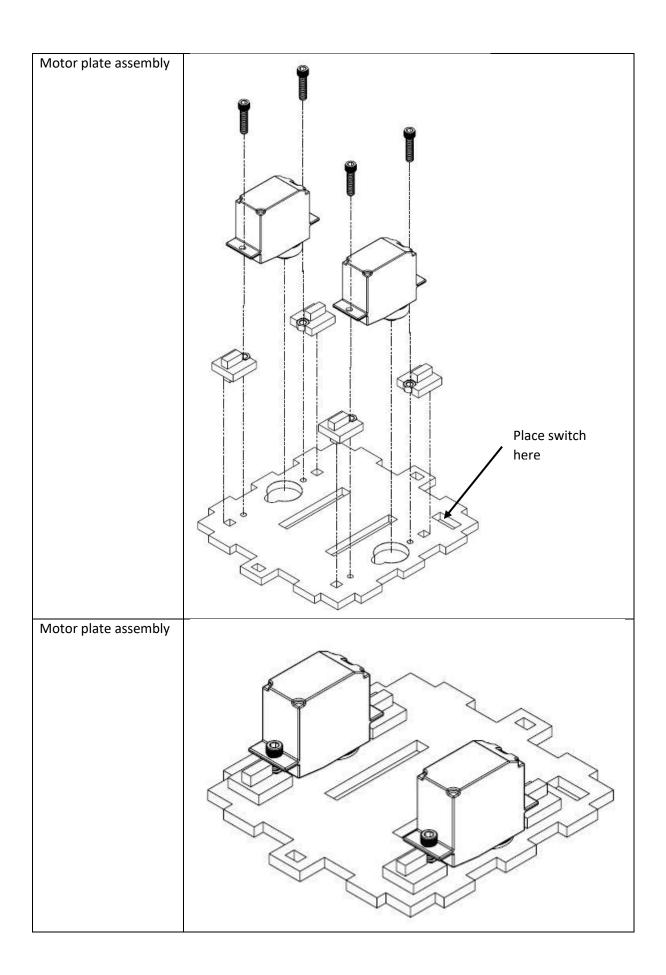
Motor Calibration

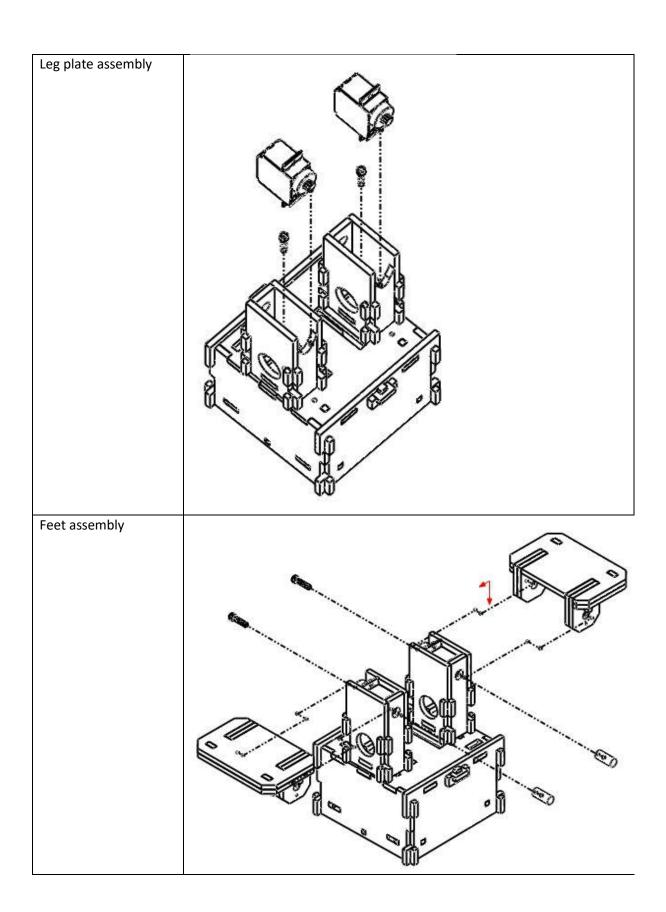
When inserting motors into the robot, please ensure that the servo motors have been set to 90 degrees. Have a look at our calibration video here. You can also find our calibration code here.

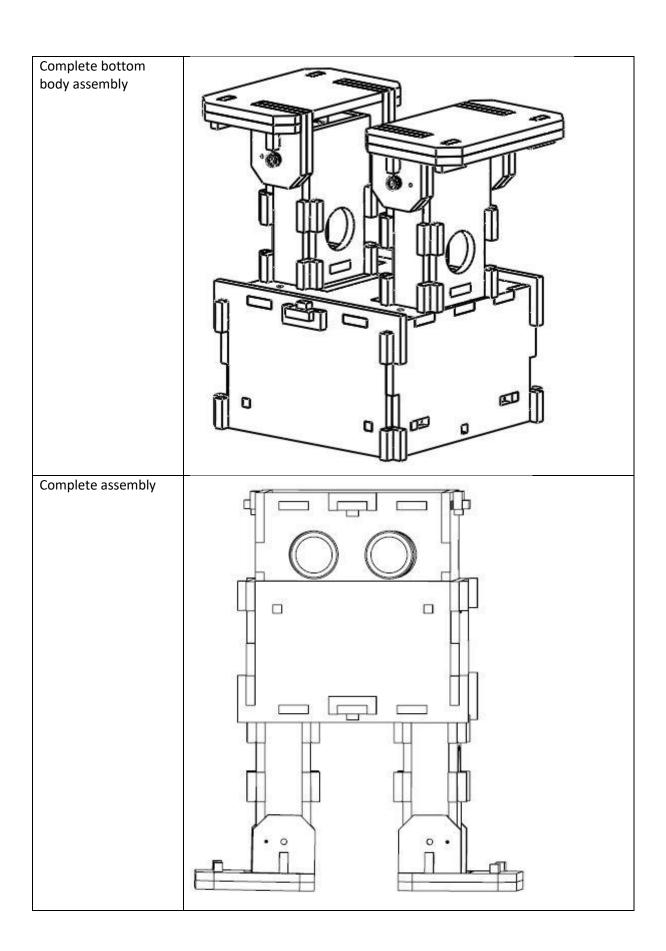
Assembly

This section shows how to install the motors that make MiiA move.



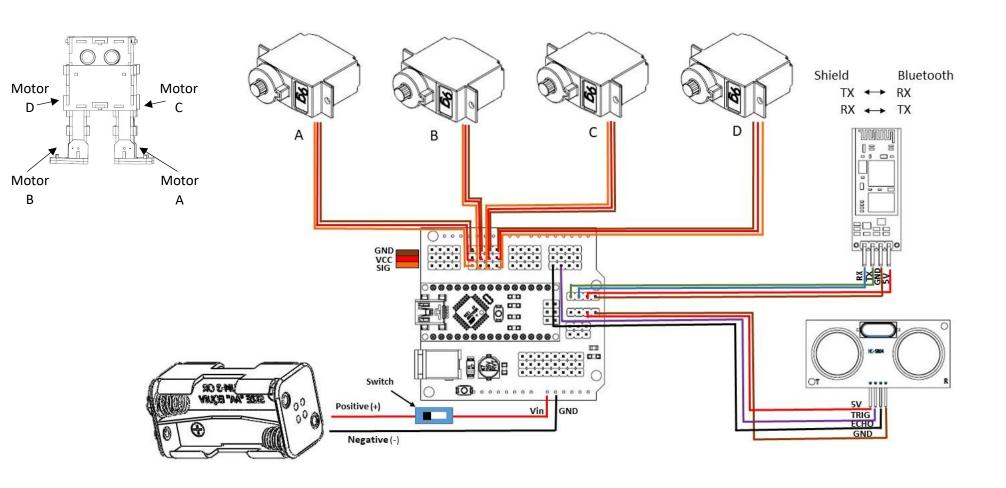




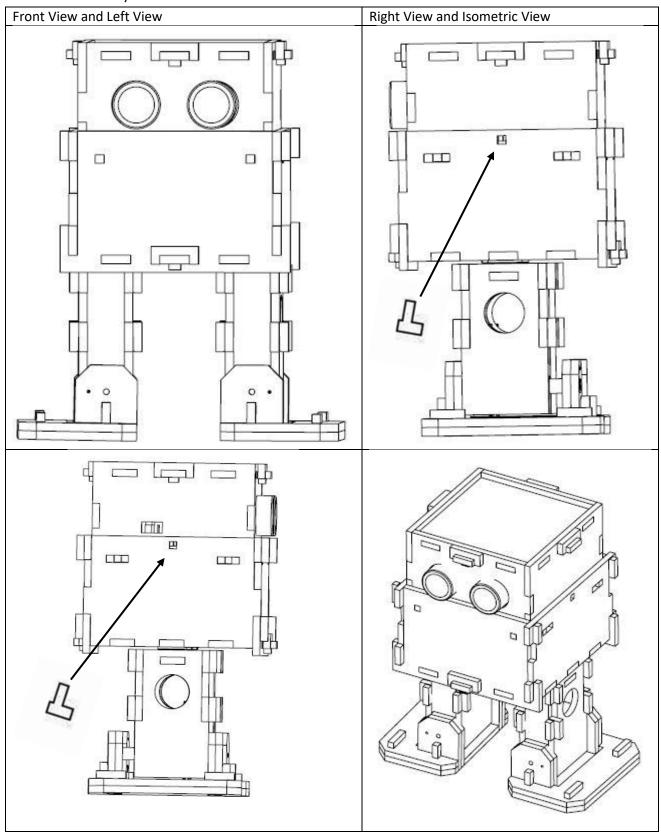


Electrical Connections

By connecting all the electrical component as shown below, MiiA will be able to be programmed and controlled to move.



Final Assembly



Well Done! MiiA is now complete and ready to be programmed.

To start your robotics journey please go to our $\underline{\text{website}}$ for instructions on getting started with programming her.

If you are having any issues with the kits, please do not hesitate to contact us at info@rd-9.co.za

