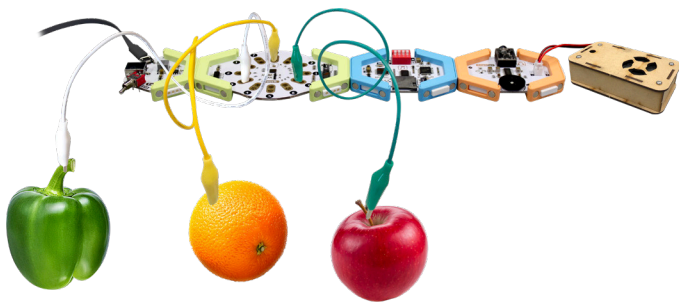


Maestro™

STEAM Maestro™ Instruction Manual



Discover the Sounds
YOUR Conductives Make!
16 Different Instrument Sounds!

Safety Precautions

1. Do not place this product in your mouth.
2. Children under 5-years old should only use this unit under adult supervision.
3. This unit is not waterproof. Do not put in water or in/near fire or flame.
4. Read the manual carefully before first use.
5. Do not force open the modules.

Battery Use and Charging Precautions

1. Use a standard 9V battery.
2. Do not touch the plug or power switch with wet hands.
3. Do not soak the battery in water. Store in a cool, dry place when unused for long periods of time.
4. Store the battery out of reach of children. If swallowed, seek medical attention immediately.
5. Do not use or store the battery near any heat sources, such as fire or stove.
6. Make sure the battery is correctly installed.

One Year Warranty

Warranty begins the date the item ships from our warehouse. All products have a one-year warranty from original date of shipment, unless otherwise noted.

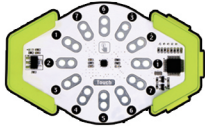


80 Little Falls Road, Fairfield, NJ 07004
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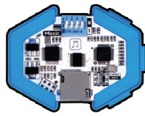
Maestro™ Components



1 Power block



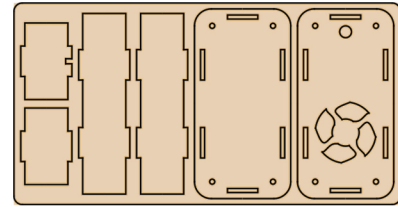
2 Touch block



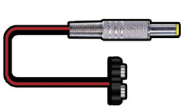
3 Music block



4 Amplifier block



9 Speaker Housing



5 Power cable



6 Battery 9V



7 Speaker 3W



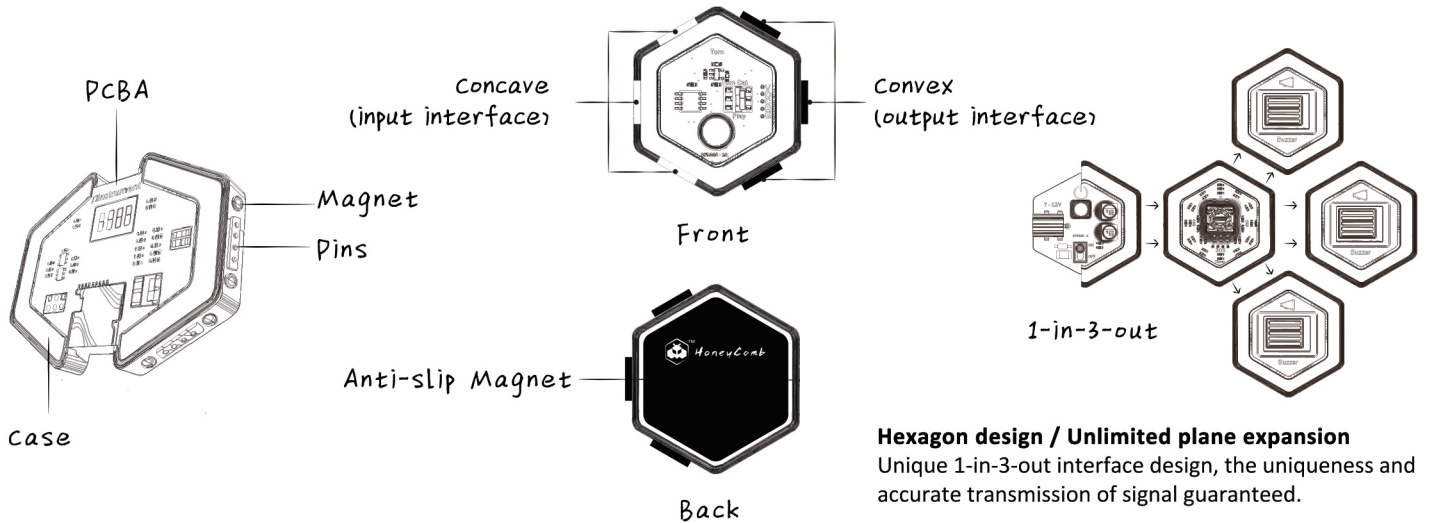
8 Alligator clip X5



10 Screw kit



11 LEGO conversion card

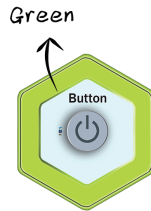


Hexagon design / Unlimited plane expansion
 Unique 1-in-3-out interface design, the uniqueness and accurate transmission of signal guaranteed.

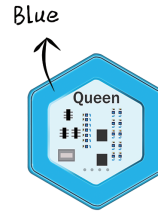
(Note: Some blocks may use 1-in-1-out interface design.)

3 color categories
Input - Green
Logic - Blue
Output - Orange

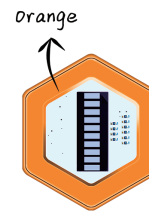
The easiest connection is input and output to work as cause and effect, or technically, condition and outcome. Try a simple logic, so you can quickly complete your idea, without having to consider unlimited splicing and coding.



Input - Green
 Conditions or triggers, such as vibration, sound and touch

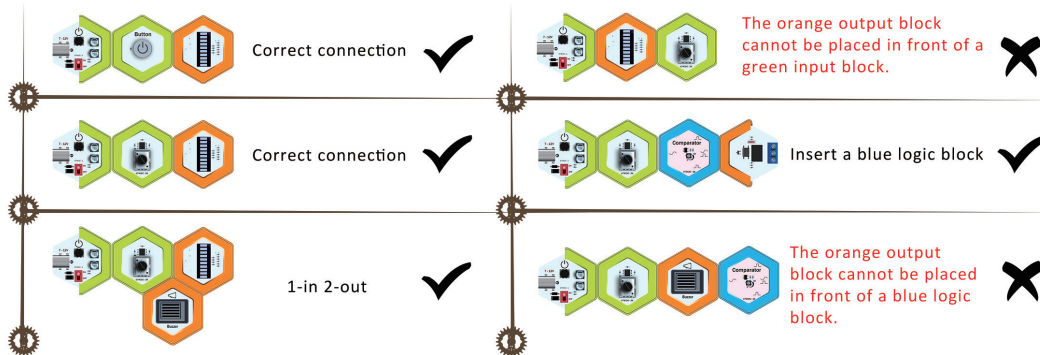


Logic - Blue
 Two categories: gate circuit for multiple conditions, such as NAND gate; the other is the functional modules, such as Queen the main control, camera, MP3 and other core functional modules



Output - Orange
 Outcome: depended on its input

Troubleshooting



Universal Instrument

Almost any conductive object can be turned into musical sound!



(When connecting the conductive material, please restart the power again to ensure proper activation.)

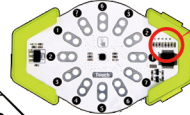
Power

Power: 9V battery or 9V AC to supply power

Music

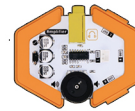
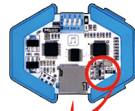
Music: Core musical component. Touch to play 16 different sound effects.

Switch from
1. MIDI mode
2. MP3 player
(See encode table for more)



Touch board: Trigger music by connecting alligator clips to sound holes and conductive material

1. Default mode: Play music
2. Advanced mode: Touch to activate other blocks - Use fruit to control LED block on/off

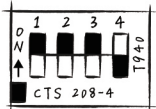


Amplifier

Amplifier: Sound output and amplification, connect to speakers or stereo

Maestro™ Encoding Table

MIDI/MP3 Switch	DIP Switch				MIDI mode	MP3 mode
MIDI	1	2	3	4		
	0	0	0	0	Drums	1. Insert a SD card: Support micro SD card and TF card, 32G max (support FAT16/ FAT32 MicroSD card, Some MircroSD card may not support) 2. Toggle the switch to MP3 and then reset the power 3. 12 MP3 files should be named from 'honey000.mp3' to 'honey011.mp3' 4. Touch the touch board to play corresponding soundtracks 5. Note: MP3 can be music, audio, footage, or self-made MP3 files
	0	0	0	1	Synth Drum	
	0	0	1	0	Church Organ	
	0	0	1	1	Glockenspiel	
	0	1	0	0	Acoutstic Guitar (steel)	
	0	1	0	1	Acoustic Bass	
	0	1	1	0	Viola	
	0	1	1	1	Orchestra Hit	
	1	0	0	0	Trumpet	
	1	0	0	1	Tenor Sax	
	1	0	1	0	Clarinet	
	1	0	1	1	Pan Flute	
	1	1	0	0	Brightness (FX 5)	
1	1	0	1	Tinkle Bell		
1	1	1	0	Agogo		
1	1	1	1	Electric Piano 1		
MP3	-	-	-	-	MP3	



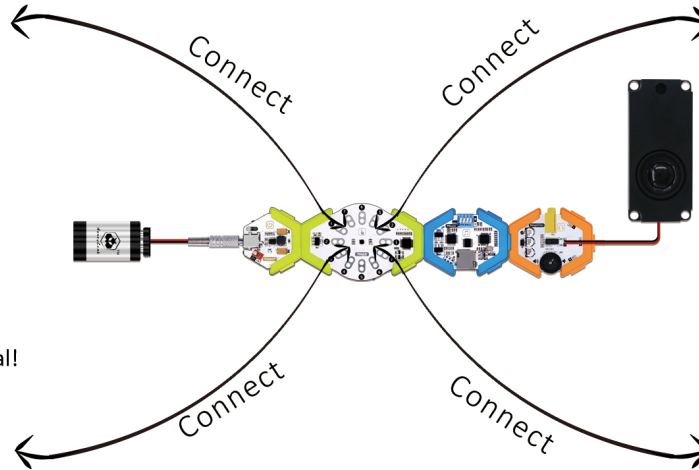
eg: 0 0 0 1
Synth Drum

Fruits, Vegetables, Plants

You can use fruits, vegetables and plants as musical instruments. You can use bananas and apples and many others. Discover all the fruits that are conductive!

Life Objects

Take a look around – you will see that almost anything can be musical! You can even use coins. Go and discover all the conductive things you can find!



Metals

Metals are conductive. You can use things made of iron, copper, silver and gold to work this magic!

The Human Body

Your body can also be a conductor. Go and check it out yourself. Play it with your friends and grow some chemistry!
(It is preferable to be powered by 7-12V for best performance as human body is of high resistance.)

Any conductive material can be a part of your music!
When connecting conductive material, please restart the power again.