User Manual
Item No. 8006/8009 A FUSION OF TECHNOLOGY PERSONALITY 

### Introduction

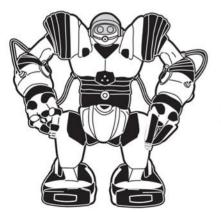
**Congratulations** on choosing the **Robosapien** X<sup>™</sup>, a sophisticated fusion of technology and personality. With a full range of dynamic motion, interactive sensors and a unique personality, Robosapien X<sup>™</sup> is more than a mechanical companion; he's a multi-functional, thinking, feeling robot with attitude!

Explore Robosapien X<sup>™</sup>'s vast array of functions and programs. Mold his behavior any way you like.

Be sure to read this manual carefully for a complete understanding of the many features of your new robot buddy.

#### **Product Contents:**

Robosapien X<sup>™</sup> x1 Infra-red Remote Controller x1 Infra-red Dongle x1 Pick Up Accessory x1



Robosapien X™



Remote Controller



Infra-red Dongle



Pick Up Accessory

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For more information visit: www.wowwee.com

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### **Battery Detail**

#### **BATTERY REQUIREMENTS:**

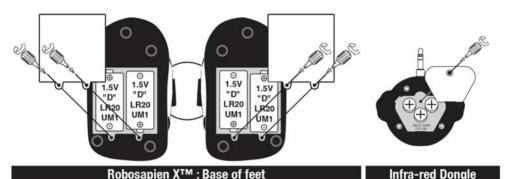
Your robot is powered by 4 x "D" size Alkaline batteries (2 batteries in each foot - not included).

Your remote controller is powered by 3 x "AAA" batteries (not included).

Your infra-red donle is powered by 3 x "LR44" batteries (included).

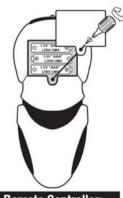
#### **BATTERY INSTALLATION:**

- Be sure the robot power button is in the OFF position (OUT) before installing or changing batteries.
- Remove the battery covers with a Phillips/crosshead screwdriver as shown (not included).
- Install recommended batteries as shown, making sure battery polarity is correct (batteries not included).
- · Replace battery doors and carefully tighten all screws.



### IMPORTANT BATTERY INFORMATION:

- Use only fresh batteries of the required size and recommended type
- Do not mix old and new batteries, different types of batteries [standard (Carbon-Zinc), Alkaline or rechargeable] or rechargeable batteries of different capacities
- Remove rechargeable batteries from the toy before recharging them
- · Rechargeable batteries are only to be charged under adult supervision
- Please respect the correct polarity, (+) and (-)
- · Do not try to recharge non-rechargeable batteries
- . Do not throw batteries into the fire
- · Replace all batteries of the same type/brand at the same time
- . The supply terminals are not to be short-circuited
- · Remove exhausted batteries from the toy
- · Batteries should be replaced by adults
- · Remove batteries if the toy is not going to be played with for some time



Remote Controller: Bottom view

#### LOW BATTERY INDICATORS:

When Robosapien X<sup>TM</sup> 's batteries grow weak, your Robosapien X<sup>TM</sup> will move and walk very slowly.

- When this occurs, power robot OFF and replace all batteries.

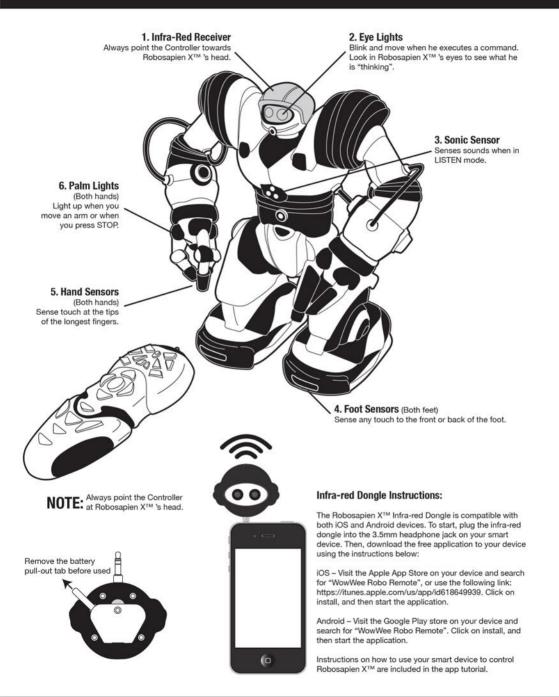
When the remote controller's batteries grow weak, the indicator light will shine very dimly.

- When this occurs, replace all the batteries in the remote controller.

NOTE

- Robot will just stop when battery power gets VERY low. Power off and replace all batteries.
- Some lighting or sunlight can interfere with infra-red signals.

### Robosapien X<sup>™</sup> & IR Dongle Overview

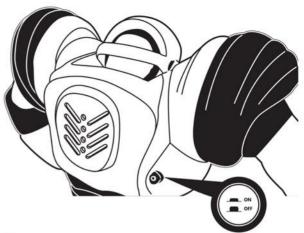


### Robosapien X<sup>™</sup> Operation Overview

Robosapien X<sup>TM</sup> has 67 easy to access command functions.

The command functions feature: Direct Control, Combination Actions, Actions with Attitude, Demo Modes and Programming mode to build your own dynamic sequence of motions!

Explore the unique multi-level remote control for hours of fun and action!



#### Where is Robosapien X™ 's power switch?

- The power switch is located on the robot's back, below the right shoulder blade.
- Press once to turn ON. Robosapien X<sup>™</sup> will awaken with a yawn, a stretch and then say "Uh-huh." Robosapien X<sup>™</sup> is now ready for your commands.

#### How do I access the levels of commands on the Controller?

 By using the SELECT button! The Select buttons works just like the CAPS LOCK on a computer keyboard. Every controller button can do at least three different things. Pressing the Select button once (controller displays a green light) activates all the GREEN commands on the remote. Pressing the Select button twice (controller displays an orange light) activates all the ORANGE commands.

#### What are the RED command buttons for?

- The red commands on the upper sections of the controller directly control Robosapien X<sup>™</sup>'s
  movements (arms and legs). For further information see page 7.
- The red commands on the lower section of the controller are used for programming your Robosapien X<sup>™</sup> - for detailed information see page 13 to 15.

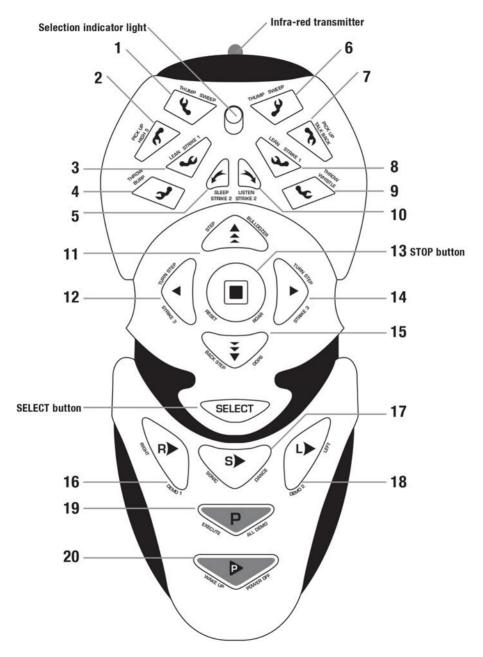
#### What are the GREEN command buttons for?

- The green commands on the upper sections of the controller execute combination actions (Pick Up, Throw). For further information see page 9.
- The green commands on the lower section of the controller execute your Programmed sequences
   for detailed information see page 13 to 15.

#### What are the ORANGE command buttons for?

- The orange commands on the upper sections of the controller access "attitude actions" (ie., "High 5", "Burp"). For further information see page 11.
- The orange commands on the lower section of the controller execute three pre-programmed demo sequences - for detailed information see page 12.

### **Controller Index**



**NOTE:** The LEFT side of the Controller operates Robosapien  $X^{TM}$ 's RIGHT side; the RIGHT side of the Controller operates Robosapien  $X^{TM}$ 's LEFT side.













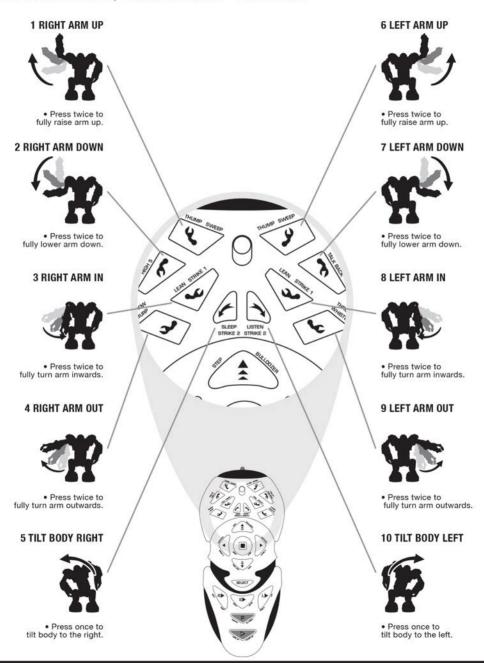




### **Red Commands**

upper controller

Red Commands directly control Robosapien XTM's movements.











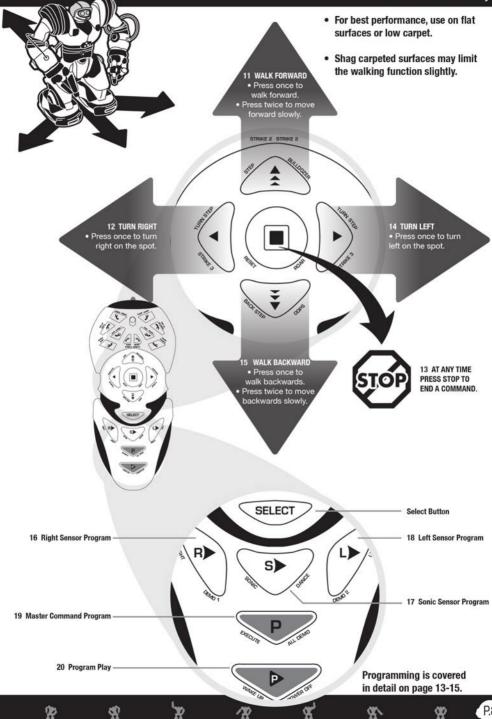






### **Red Commands**

middle & lower body



### **Green Commands**

upper controller

Green Commands access combination actions.



To access the Green Commands, first press the GREEN indicator light will LIGHT AND HOLD to confirm the selection.

#### 1 RIGHT HAND THUMP

 Robosapien X<sup>TM</sup> 's right arm lifts and presses downward.

#### 2 RIGHT HAND PICK UP



 Place Pick Up Accessory next to Robosapien X™'s right foot (see diagram) and he'll pick it up!

#### **3 LEAN BACKWARD**

 Robosapien X<sup>™</sup> leans backward and opens his arms!

#### **4 RIGHT HAND THROW**

 If an object is already in Robosapien X<sup>TM</sup> 's right hand, press Throw and he'll toss it!

#### 5 SLEEP

 Robosapien X™ goes to sleep (all sensors are inactive). Press STOP or WAKE UP to wake him up (see page 10). After approx. 2 hours of uninterrupted sleep, he'll power himself off to save energy.

#### **6 LEFT HAND THUMP**

 Robosapien X<sup>™</sup>'s left arm lifts and presses downward.

#### 7 LEFT HAND PICK UP



 Place Pick Up Accessory next to Robosapien X™'s left foot (see diagram) and he'll pick it up!

#### **8 LEAN FORWARD**

 Robosapien X<sup>™</sup> leans forward and opens his arms!

#### **9 LEFT HAND THROW**

 If an object is already in Robosapien X™'s left hand, press Throw and he'll toss it!

#### 10 LISTEN

 Robosapien X™ responds to a sound or tap on his body with a default grunt, or a Sonic Sensor Program sequence programmed by you. See Programming on page 14 for further details.











LISTEN

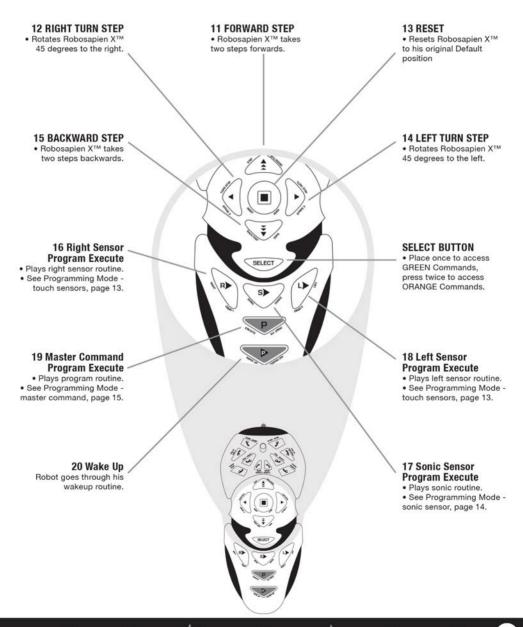






### **Green Commands**

middle & lower controller



### **Orange Commands**

upper controller

Orange Commands access actions with attitude.



To access the ORANGE Commands, press the witton TWICE. The orange indicator light will LIGHT AND HOLD to confirm the selection.

#### 1 RIGHT HAND SWEEP

 Knock things forward witha sweeping arm and waist action!

#### 2 HIGH 5

 Robosapien X™ stretches up for a big High 5 and says "Aaay"!

#### **3 RIGHT HAND STRIKE 1**

 Robosapien X™ performs a inside strike with a mighty "Hoy-yah!"

#### 4 BURP

 High technology doesn't mean better table manners!

#### **5 RIGHT HAND STRIKE 2**

 An open hand strike with a powerful "Hi-yah, 'oOOo".

#### 7 TALK BACK

6 LEFT HAND SWEEP

• Knock things forward with a sweeping arm and waist action!

 $\bullet$  Grunts and gestures. Robosapien's  $X^{\text{TM}}$  quite the conversationalist.

#### 8 LEFT HAND STRIKE 1

 Robosapien X<sup>™</sup> performs a inside strike with a mighty "Hi-yah!"

#### 9 WHISTLE

Listen to that crazy
Wolf Whistle! Nice software.

#### 10 LEFT HAND STRIKE 2

 An open hand strike with a powerful "Hoy-yah, 'oOOo".











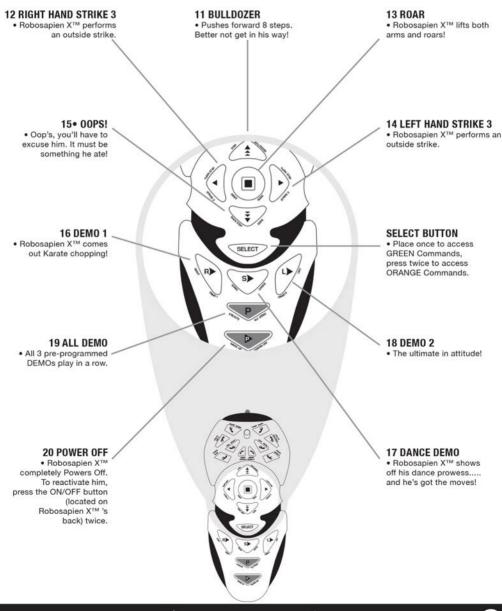
LISTEN







# Orange Commands middle & lower controller

















### **Programming Mode**

touch sensors

Robosapien X<sup>™</sup> has three programmable sensors and a Master program, that allows you to take control of the following unique programming environments:

1 Right Sensor Program ( ) #16



2 Left Sensor Program ( ( ) #18



3 Sonic Sensor Program ( ) #17

4 Master Program ( ) #19

#### **Touch Sensors**

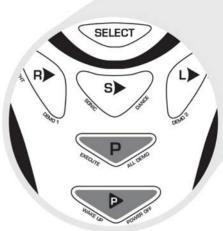
The sensors on Robosapien X™ 's Fingers, Toes and Heels can all be programmed to respond when touched. They also trigger whenever he walks into an obstacles.

#### **Right & Left Sensor Programs**

- a Ensure the Controller is in normal mode (indicator light on Controller is DARK).
- **b** Press the Right or Left Sensor Program button once (Robosapien X<sup>™</sup> beeps - you are now in program mode).
- c Program up to six steps (the Select button does not count as step). For example: Walk Forward, Right Arm Out, Left Arm Out, ( SELECT), SELECT), ROAR), Tilt Body Right, Tilt Body Left.
- d Robosapien X<sup>™</sup> will now automatically repeat your programmed sequence.
- e If you wish to program less than six steps, you need to 'close' the program by pressing PROGRAM PLAY ( ) once, after you've completed your selection - for example: Walk Forward, Turn Right, ( SELECT ) High 5, PROGRAM PLAY ( ).
- f To trigger the sensor, touch a long finger, or a toe/heel sensor (on the side corresponding to the sensor program you set). Alternatively press SELECT once (GREEN command mode), followed by R> or L> Sensor Program Execute (depending on which side has been programmed) and he'll also run through the routine.

#### Clearing the Program/Holding the Program

- a To clear the program and return to the Default program, press the Right, or Left Sensor Program button once, followed by the Program Play button and the program will clear.
- **b** Turning Robosapien X<sup>™</sup> off will also clear any previously set programs.
- C Use the Sleep function to hold the program in Robosapien X™ 's memory for up to two hours.



### **Programming Mode**

sonic sensors

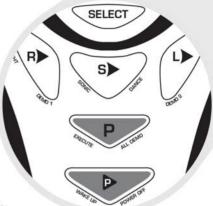
Robosapien  $X^{TM}$  can be set up as a "room guard" or can even start dancing to your favorite music using the built-in Sonic Sensor Program function.

#### **Sonic Sensor Programs**

- a Ensure the Controller is in the normal Command mode (indicator light on the Controller is DARK).
- b Press the Sonic Sensor Program button ( → ) once; Robosapien X<sup>™</sup> says "BEEP!". You are now in program entry mode.
- c Program up to SIX steps (the SELECT button does not count as a step).
  - · For example:

WALK FORWARD, RIGHT ARM OUT, STOP,
( SELECT , SELECT - ROAR), TILT BODY
RIGHT, TILT BODY LEFT.

After six steps, Robosapien X<sup>™</sup> will automatically repeat your programmed sequence so you can check what it will do.



- d If you wish to program less than six steps, you need to 'close' the program by pressing PROGRAM PLAY ( ) after you've completed your selection for example:

  WALK FORWARD, ( ) HIGH 5), WALK BACKWARDS, PROGRAM PLAY.
- **e** To review your program again, press SELECT once (Controller indicator light goes GREEN), followed by Sonic Sensor button. Robosapien X<sup>™</sup> will run through your routine.
- f To put Robosapien X<sup>™</sup> into SONIC RESPONSE mode, press SELECT followed by LISTEN. He'll now wait for a sharp sound or tap on his body, then run through your programmed routine.

#### Clearing the Program/Holding the Program

- a To clear the sonic program and return to the Default program, press the Sonic Program button once, then PROGRAM PLAY.
- **b** Turning Robosapien X<sup>™</sup> off will also clear any previously set programs.
- C Use the Sleep function (SELECT, SLEEP) to hold the program in Robosapien X™'s memory for a up to two hours.

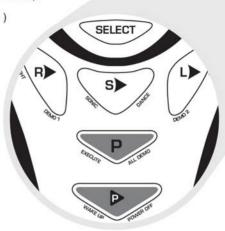
### **Programming Mode**

master command

A main feature of the Robosapien X<sup>™</sup> is that he can be programmed in segments. The 14 step Master Program can "link in" any 6-step Sensor Program for long play routines.

#### **Master Programs**

- a Ensure the Controller is in the Red Command mode (indicator light on the Controller is DARK).
- b Press the MASTER PROGRAM ( □ ) button once; Robosapien X<sup>TM</sup> says "Beep". You are now in program entry mode.
- C Program up to fourteen steps (the SELECT button does not count as a step see Touch Sensors page 13 for example).
- d After 14 steps, the Robosapien X<sup>™</sup> will automatically execute your Master Program sequence.
- If you wish to program less than fourteen steps, you need to 'close' the program by pressing PROGRAM PLAY ( ). for example: Walk Forward, Turn Right, Walk Forward, Turn Left, Walk Backward, ( ) SELECT ) High 5, Program Play.



- f To execute your program at any time, press PROGRAM PLAY.
- g To execute your program without linking in the sensor programs (so you can quickly review your Master Program sequence), press SELECT, then MASTER PROGRAM.

Clearing the Program/Holding the Program

- a To clear the Master Program, press the MASTER PROGRAM button once, then press the PROGRAM PLAY Button. The robot goes "OUAH!" to confirm the program is cleared.
- **b** Turning Robosapien X<sup>™</sup> off will also erase any Master Programs.
- C If you wish to keep your program, use the Sleep function (SELECT-SLEEP) to hold the program in Robosapien X™ 's memory for up to two hours.

**Extending the Program** 

- a You can extend the length of the Master Command Program beyond fourteen steps by "linking in" any of the three Sensor Programs. Sensor Programs can be mixed and matched in any pattern.
- **b** First pre-program any Sensor Program with a routine (see previous pages 13 & 14).
- C Press Master Program to enter your program as normal. Press SELECT then press any R>, S>, or L> buttons. This sensor routine will be stored as ONE STEP in your master program. Repeat to add additional sensor routines. On playback, those routines will play with no pause between execution.
- To enter a Master Program so that the robot waits for each sensor input, enter your program as normal then just press either R>, S>, or L> as one step. On playback, the robot will STOP at the beginning of each sensor routine waiting for either a sensor touch or sound. For example: WALK FORWARD, WALK BACKWARD, (SELECT) R>), R>, (SELECT) STOP), (SELECT) S>), LEFT ARM UP, (SELECT) S>), S>, S>, PROGRAM PLAY.

## **Troubleshooting Guide**

If you are experiencing difficulties with Robosapien X™, use this troubleshooting guide.

Problem	Solution				
<b>1.</b> Robosapien X <sup>™</sup> is not responding to the controller.	a. Stand robot upright, clear all obstacles from the feet and hand sensors, then push Robosapien™'s ON/OFF button until you hear the yawning power up sequence.				
	<b>b.</b> For best results keep a clear line of sight between the remote and the infra-red receiver in the Robosapien™'s head. Always point the controller directly at the head and stay within 12 feet (3 meters) distance.				
	<b>c.</b> Check that batteries are inserted correctly and that nothing comes between the batteries and battery contacts.				
	<b>d.</b> Robosapien X <sup>™</sup> might be in PROGRAM MODE ("Beep, beep, beep"). Press the PROGRAM PLAY button at the very bottom of the remote, then STOP to restore regular operation.				
	<b>e.</b> Certain types of electronic lighting or bright sunlight can jam infra-red signals from reaching your robot. Lower the robot's sun visor or, if the problem persists, move the robot into shadow or away from the interference.				
	<b>f.</b> The robot will ignore remote control signals during his wakeup routine. Wait until the wakeup routine finishes, then he will respond as normal.				
<b>2.</b> Robosapien X <sup>™</sup> has trouble walking.	The hand or feet sensors detect objects in front or back. Use the BULLDOZER walking mode (press SELECT twice, then BULLDOZER) or SELECT-STEP or SELECT-BACKSTEF to move the robot away from the obstruction.				
	<b>b.</b> Robosapien X <sup>™</sup> may have difficulty walking on thick carpets or slippery surfaces. For best results only use your Robosapien X <sup>™</sup> on flat, level surfaces (low pile carpets or hard floors).				
	C. Something is stuck on the robot's feet. Check that nothing is caught or preventing his footpads, legs, or hands from moving freely.				
	<b>d.</b> Press < 🗘 > again (or press < 🗘 > twice if stopped) to enter SLOW WALK mode, which is much more stable.				
3. Robosapien X <sup>™</sup> does not detect	a. Wait two seconds after LISTEN MODE activates before making sounds or tapping the robot's body.				
sounds in Listen Mode.	b. Robosapien <sup>™</sup> does not hear sounds that are soft or low-pitched. Make a sharp sound (eg. clapping your hands), or tap Robosapien <sup>™</sup> 's body. Robosapien <sup>™</sup> 's limbs are not moving the way I want.				
<b>4.</b> Robosapien X <sup>™</sup> 's limbs are not moving	a. Robosapien™'s arms and legs move to multiple positions. When a limb is fully extended, use several button presses to find new positions.				
the way I want.	<b>b.</b> Reset the Robosapien X <sup>™</sup> to the default position. Press SELECT then the RESET (STOP) button.				
5. Robosapien X <sup>TM</sup>	a. Press the STOP button twice, or turn Robosapien X <sup>™</sup> off and back on again.				
is behaving erratically.	<b>b.</b> Batteries are very low. Replace all batteries in the feet with fresh "D" batteries.				
	<b>c.</b> Something is interfering with the infra-red signals. Move the controller closer to the robot, or move the robot to another location under different lighting.				

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### **Notes**

use this page to write down your favourite program combos!

R	Ri	g	h	t	S	e	n	S	0	ľ	

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### s Sonic Sensor

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L)	Left Sensor
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### P Master Program

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7		
8		
9		

### 10

_11			
12			

### 13 14















#### WowWee™ 90-Day Limited Warranty

WowWee's warranty obligations for Robosapien X™ (this "Product") are limited to the terms set forth below.

WowWee Group Limited ("WowWee") warrants to the original end-user purchaser that this Product will be free from defects in materials and workmanship under normal use for a period of 90 days from the date of retail purchase (the "Warranty Period"). This warranty is extended only to the original end-user purchaser of a new product that was not sold "as is".

If a defect arises:

(1) you may within 30 days from the date of retail purchase (or such other period specified by the return policies of the place of purchase) return this Product to the place of purchase, together with the original proof of purchase and either the original box or the UPC code label from the box, and this Product will be replaced or, in the event that a replacement for this Product is not available at the place of purchase, either a refund of the purchase price for this Product or a store credit of equivalent retail value will be provided; or

(2) you may after the day that is 30 days from the date of retail purchase (or such other period specified by the return policies of the place of purchase) and within the Warranty Period contact WowWee Customer Support to arrange for the replacement of this Product. In the event that a replacement for this Product is not available this Product will be replaced by WowWee with a product of equivalent or greater retail value.

Notwithstanding the foregoing terms of this warranty, WowWee reserves the right at all times, at its sole option and discretion, to refund to you the purchase price paid by you for this Product in full and final settlement of WowWee's obligations under this warranty.

A purchase receipt or other proof of the date of retail purchase and purchase price is required in order to claim the benefit of this warranty.

If this Product is replaced, the replacement product becomes your property and the replaced Product becomes WowWee's property. If the place of purchase refunds the purchase price of this Product or issues a store credit of equivalent retail value, this Product must be returned to the place of purchase and becomes WowWee's property. If WowWee refunds the purchase price of this Product, this Product must be returned to WowWee and becomes WowWee's property.

#### **EXCLUSIONS AND LIMITATIONS**

This warranty covers the normal and intended use of this Product. This warranty does not apply: (a) to damage caused by accident, abuse, unreasonable use, improper handling and care or other external causes not arising out of defects in materials or workmanship; (b) to damage caused by service performed by anyone who is not an authorized representative of WowWee; (c) to any hardware, software or other add-on components installed by the end-user; (d) if this Product has been disassembled or modified in any way; (e) to cosmetic damage, including but not limited to scratches, dents or broken plastic, or normal wear and tear.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MIGHT ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. WOWWEE'S RESPONSIBITLITY FOR PRODUCT DEFECTS IS LIMITED TO THE REPLACEMENT OF THIS PRODUCT OR THE REFUND OF THE PURCHASE PRICE FOR THIS PRODUCT. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN TIME TO THE TERM OF THIS LIMITED WARRANTY. NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE EXPIRATION OF THE LIMITED WARRANTY PERIOD. If any term of this warranty is held to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired.

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SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THESE LIMITATIONS MIGHT NOT APPLY TO YOU.

Valid only in U.S.A.





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#### Manufactured and distributed by

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Consumer Hotline: 1-800-310-3033 Customer Service Email: support@wowwee.com www.wowwee.com

We recommend that you retain our address for future reference Product and colors may vary. Packaging printed in China. This product is not suitable for children under 3 years because of small parts choking hazard

#### CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE
This equipment has been tested and found This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against hamful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause hamful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular Installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the

user is encouraged to try and correct the interference by one or more of the following

- Reorient or relocate the receiving antenna
   Increase the separation between the
- equipment and receiver

  Connect the equipment into an outlet on
- a circuit different from that to which the receiver is connected

  Consult the dealer or experienced radio/TV

This Device complies with Part 15 pf the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accpet any interference received, including interference that may cause undesired operation.

For these purposes, the party responsible is:

WowWee USA Inc. 875 Prospect Suite #202, La Jolla, CA 92037