

PROPEL

## FCC PART 15 C NOTICE

**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 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 harmful 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 harmful 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 to correct the interference by one or more of the following measures:

- 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 technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions :

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

## INDUSTRY CANADA NOTICE: CANADA ONLY.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conforms to safety requirements of FCC.

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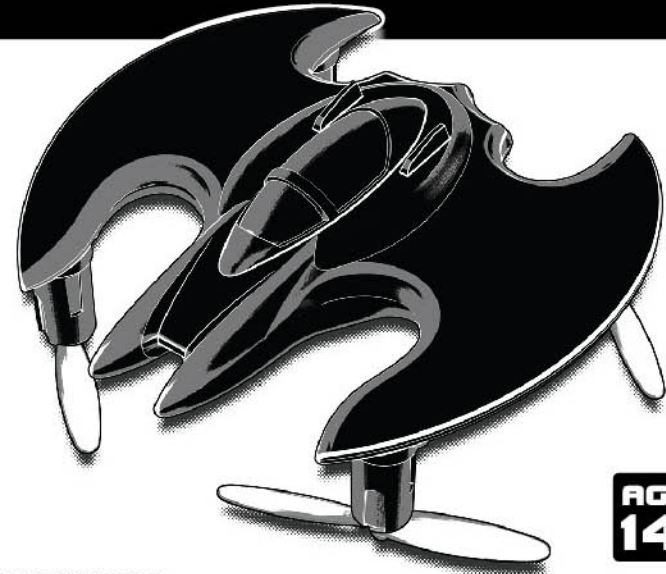
Made in China CAN ICES-3(B)/NMB-3(B)



PROPEL

PERFORMANCE  
STUNT DRONE  
WITH HD VIDEO

# BATWING™



AGES  
14  
AND  
UP

Product may vary slightly from image.

# INSTRUCTION BOOKLET

**WARNING:** Never leave product charging unattended for extended periods of time. Always disconnect battery from charger immediately after the BATWING™ is fully charged. Please refer to enclosed safety instructions.

## PACKAGE CONTAINS:



BATWING™



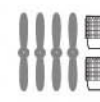
2.4G Wireless  
Controller



USB  
Charging Cord



Charger



Spare Parts



Instruction  
Booklet



Micro SD  
card reader



BATMAN and all related characters and elements © & ™ DC Comics.  
WB SHIELD: TM & © WBEI. (s16)

V1.1

Colors and styles may slightly vary.

# TABLE OF CONTENTS

Features.....	2
Remote Battery Installation.....	2
Charging your BATWING™ Battery.....	2
BATWING™ Quadcopter Diagram.....	3
Remote Diagram.....	3
Remote Controller Grips.....	3
Preparing For Flight.....	4
Syncing Your BATWING™.....	4
Flying Tips.....	4
Start And Auto Land.....	5
Recognizing the Front and Back of the BATWING™.....	5
How To take off / Land.....	5
3/4 Channel Select.....	5
Forward / Backward Trim.....	6
Banking Left / Right Trim.....	6
4 Channel Flight Control.....	7
3 Channel Flight Control.....	8
Calibrating The BATWING™.....	8
360° Stunt Rolls.....	9
Using your board camera and video recorder.....	10
Taking photos / recording video.....	11
Battery Warnings, Care and Maintenance.....	12
Replacing The Propeller Blades.....	12
FCC Part 15 C Notice.....	13

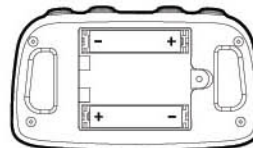
Thank you for purchasing the 2.4 G Indoor/Outdoor BATWING™. Please read this instruction booklet as it contains valuable information on how to properly fly and care for your BATWING™.

## FEATURES

- BUILT IN 6 AXIS GYROSCOPIC CHIP KEEPS THE BATWING™ EXTREMELY STABLE IN ALL CONDITIONS.
- AUTOMATICALLY START AND LANDS WITH THE PUSH OF A BUTTON
- UNIQUE SWITCH BLADE TECHNOLOGY ALLOWS FOR 3CH AND 4CH FLIGHT MODES.
- 3 DIFFERENT SPEED SETTINGS FOR SLOW TO HIGH SPEED FLYING.
- AIR PRESSURE SENSOR LOCKS FLIGHT ALTITUDE.
- LED DIRECTIONAL LIGHTS MAKES THE BATWING™ EASY TO FOLLOW.
- 2.4G RADIO ALLOWS FOR A 200 FOOT OPERATIONAL RANGE.
- THE BATWING™ IS ENGINEERED FOR INCREDIBLE MANEUVERABILITY INCLUDING 360° AERIAL STUNTS!

## REMOTE CONTROL BATTERY INSTALLATION

1. UNSCREW THE BATTERY COVER FROM THE BACK OF THE REMOTE CONTROL.
2. INSTALL 2 "AAA" ALKALINE BATTERIES INTO THE BATTERY PACK AS SHOWN IN THE DIAGRAM.
3. REPLACE THE BATTERY COVER AND SECURE IT.

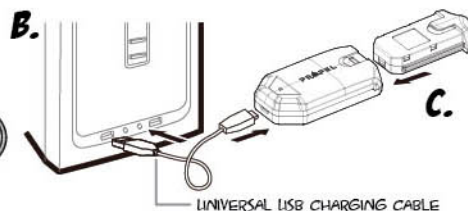
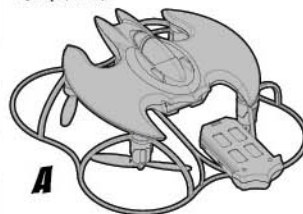


Battery Compartment  
(2 "AAA" batteries not included)



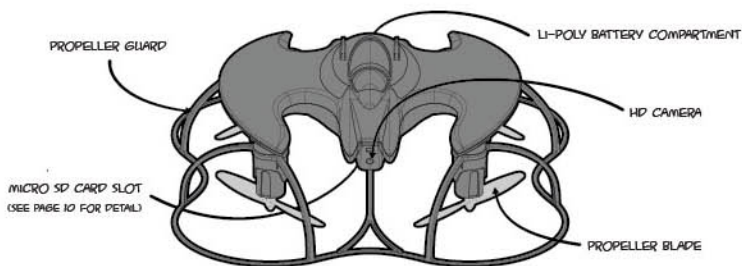
## CHARGING YOUR BATWING™ BATTERY

1. TURN THE BATWING™ OVER AND CAREFULLY REMOVE THE BATTERY (SEE DIAGRAM A).
2. SLIDE THE BATTERY INTO THE USB CHARGER AND THEN CONNECT THE MICRO USB CABLE TO THE CHARGER (SEE DIAGRAM C). CONNECT THE UNIVERSAL END OF THE USB CABLE TO YOUR COMPUTER'S USB PORT (SEE DIAGRAM B).  
CAUTION: IMPROPER CONNECTION MAY DAMAGE THE BATWING™ BATTERY.
3. AVERAGE CHARGING TIME IS 70 MINUTES, RED LED INDICATOR GOES OFF WHEN CHARGING AND WILL TURN RED WHEN BATTERY IS FULLY CHARGED. A FULL CHARGE WILL ALLOW FOR ABOUT 5-6 MINUTES OF FLIGHT TIME DEPENDING ON ENVIRONMENT AND USER INPUT.



IMPORTANT: ALWAYS REMEMBER TO UNPLUG YOUR CHARGER WHEN NOT IN USE!

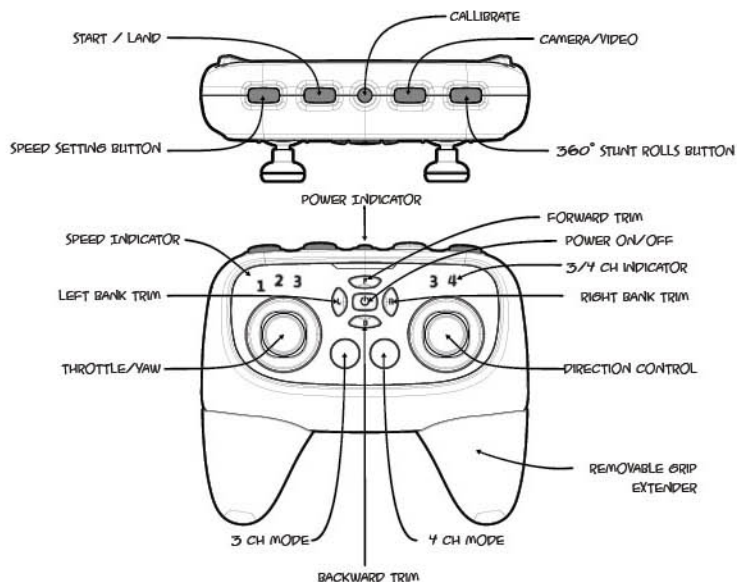
## BATWING™ QUADROCOPTER DIAGRAM



THE SAFETY GUARD IS EASY TO CLIP ON AND OFF. SIMPLY PULL THE CLIPS AWAY FROM EACH MOTOR MOUNT AND REMOVE THE BATWING™ FROM BELOW.

**NOTE:** ALWAYS HAVE THE SAFETY GUARD ATTACHED WHEN FLYING IN SPEED MODE 1.

## REMOTE DIAGRAM



**REMOVABLE CONTROLLER GRIPS**  
EASILY SLIDES OFF AND ON. (SEE REMOTE DIAGRAM)

## WARNING

**DO NOT FLY YOUR BATWING™ IN FOUL WEATHER!**



## PREPARING FOR FLIGHT

- VERIFY THAT THERE ARE 2 "AAA" BATTERIES INSIDE THE REMOTE CONTROL UNIT AND THE BATWING™ HAS BEEN FULLY CHARGED.
- MAKE SURE TO BE IN A LARGE SPACE WITH AN OPEN RADIIUS OF AT LEAST 50 FEET.
- MAKE SURE THE EMPTY SPACE HAS NO OBSTACLES OR BODIES OF WATER. SET YOUR BATWING™ ON A CLEAN FLAT SURFACE BEFORE TAKE-OFF.

**DO NOT ATTEMPT TO FLY YOUR BATWING™ IF THERE IS RAIN, SNOW, HEAVY WINDS, THUNDER OR LIGHTNING OUTDOORS. IT COULD DAMAGE YOUR PRODUCT AND POSSIBLY EVEN CAUSE BODILY HARM.**

## SYNCING YOUR BATWING™

**IMPORTANT!** WHEN SYNCING YOUR BATWING™ DRONE WITH THE CONTROLLER ALWAYS MAKE SURE THAT THE DRONE IS ON A FLAT LEVEL SURFACE. THIS INSURES THAT THE 6 AXIS GYRO IS PROPERLY PROGRAMMED TO MIMIC YOUR TRIM SETTINGS.

YOUR BATWING™ UTILIZES AN AUTOMATIC 2.4G CHANNEL SELECTION SYSTEM THAT ALLOWS UP TO 8 PEOPLE TO FLY SIDE BY SIDE IN THE SAME WIRELESS RANGE.

### FOR ONE PERSON PLAY:

1. BEFORE STARTING, MAKE SURE THAT THE POWER ON YOUR CONTROLLER IS IN THE OFF POSITION AND BATWING™ BATTERY IS DISCONNECTED. MAKE SURE THAT THERE ARE NO OTHER 2.4G DEVICES IN THE AREA.
2. INSERT THE BATTERY INTO THE BATWING™ TO TURN ON AND SET IT DOWN ON A FLAT SURFACE. THE WHITE AND RED LED INDICATORS OF THE BATWING™ SHOULD FLASH RAPIDLY.
3. TURN ON YOUR REMOTE AND YOU WILL HEAR 2 SHORT BEEPS, THE WHITE AND RED LED LIGHTS START FLASHING SLOWER, PUSH THE THROTTLE ALL THE WAY UP AND PULL IT DOWN, THE WHITE AND RED LED LIGHTS STAY SOLID, YOUR BATWING™ AND REMOTE SHOULD HAVE SUCCESSFULLY SYNCED. SHOULD THIS NOT HAPPEN, REPEAT ALL STEPS AGAIN.

### FOR MULTI PERSON PLAY:

4. BEFORE STARTING, MAKE SURE THAT THE POWER ON ALL BATWING™ AND CONTROLLERS ARE IN THE OFF POSITION. MAKE SURE THAT THERE ARE NO OTHER 2.4G DEVICES IN THE AREA AS WELL.
5. EACH PERSON WILL HAVE TO SYNC THEIR BATWING™ INDIVIDUALLY AT A DIFFERENT TIME TO AVOID INTERFERENCE. FOLLOW STEPS 1 TO 3 ABOVE MAKING SURE TO KEEP AWAY FROM OTHER PEOPLE WHILE ALSO MAKING SURE THAT NO ONE ELSE IS SYNCING AT THE SAME TIME.
6. AFTER SYNCING A PLAYERS BATWING™ IT SHOULD BE LEFT ON UNTIL ALL PLAYERS HAVE SYNCED THEIR BATWING™.
7. SHOULD THERE BE A MISTAKE/INTERFERENCE, ALL PLAYERS MUST TURN OFF THEIR CONTROLLERS AND BATWING™ AND START THE PROCESS ALL OVER AGAIN.

## FLYING TIPS

- IT IS RECOMMENDED THAT YOU OPERATE THE BATWING™ IN A WIDE SPACE. THE IDEAL SPACE SHOULD HAVE A 200 FOOT RADIIUS.
- PARENTAL GUIDANCE OR ADULT SUPERVISION IS SUGGESTED AT ALL TIMES.
- IF YOU ARE FLYING THE BATWING™ WITH OTHERS, MAKE SURE ALL SPECTATORS ARE BEHIND YOU.
- FOR BEST PERFORMANCE, IT IS RECOMMENDED THAT YOU OPERATE THE BATWING™ IN ZERO WIND CONDITIONS. WIND CAN GREATLY AFFECT THE PERFORMANCE OF THE BATWING™.

## NOW YOU ARE READY TO FLY!

IF YOU HAVE SUCCESSFULLY SYNCED YOUR BATWING™ TO YOUR CONTROLLER AS EXPLAINED ON PAGE 4 YOU ARE NOW READY TO FLY. BEFORE BEGINNING TO FLY YOUR DRONE YOU SHOULD FAMILIARIZE YOURSELF WITH HOW TO START AND STOP THE ROTORS, HOW TO USE YOUR TAKE OFF AND AUTO LAND FEATURE AND HOW THE CONTROLS WORK. PLEASE CAREFULLY READ AND FAMILIARIZE YOURSELF WITH VARIOUS CONTROL FEATURES EXPLAINED IN THE NEXT FEW PAGES. ONCE AGAIN AS A BEGINNER PILOT YOU SHOULD LEARN HOW TO CONTROL YOUR DRONE IN A LARGE OPEN FIELD OR PARK ON A DAY WITH ZERO OR VERY LIGHT WIND. DO NOT TRY TO FLY YOUR BATWING™ TOO HIGH UNTIL YOU BECOME A MORE EXPERIENCED PILOT.

### RECOGNIZING THE FRONT AND BACK OF THE BATWING™

EVEN THOUGH THE BATWING™ HAS FOUR ROTORS THERE IS STILL A FRONT OR "FORWARD" FACING DIRECTION AND "BACK" OR BACKWARDS FACING DIRECTION. THE FRONT AND FORWARD FACING DIRECTION OF THE BATWING™ IS THE SIDE WITH TWO EARS. THE REAR AND BACK OF THE BATWING™ IS WHERE THE BATTERY COMPARTMENT IS. THE BATWING™ WHEN IN FLIGHT WILL ALSO HELP YOU KEEP AWARE OF THE ORIENTATION WITH LIGHTED LED LIGHTS IN THE ARMS OF THE BATWING™.

NOTE: THE FRONT OF THE COPTER DISPLAYS WHITE LED LIGHTS AND THE BACK OF THE COPTER DISPLAYS RED LED LIGHTS.



### AUTOMATICALLY TAKE OFF / LAND

MAKE SURE YOU HAVE PROPERLY SYNCED THE BATWING™.

- SIMPLY PRESS THE "START/LAND" BUTTON ON THE TOP OF CONTROLLER, YOUR BATWING™ WILL AUTOMATICALLY TAKE OFF.
- TO STOP OR LAND THE BATWING™ JUST PRESS THE "START/LAND" BUTTON AGAIN AND THE BATWING™ WILL DESCEND AND LAND AUTOMATICALLY.

TIPS: YOU ALSO CAN MOVE THE TWO CONTROL STICKS SIMULTANEOUSLY DOWN AND TO THE INSIDE CORNERS AND HOLD FOR ONE SECOND AND YOU WILL HEAR A "BEEP" THEN PUSH THE THROTTLE SLOWLY TO START THE ROTORS MANUALLY.

**IN CASE OF EMERGENCY : TO STOP THE ROTORS INSTANTLY, SIMPLY PRESS THE CALIBRATE BUTTON ON THE TOP OF THE CONTROLLER, LOCATED IN THE CENTER.**

### SPEED SETTING BUTTON

THE BATWING™ HAS 3 SPEED SETTINGS; 1 (SLOW) , 2 (MEDIUM) AND 3(HIGH). THE DEFAULT SETTING WHEN YOU FIRST TURN ON YOUR BATWING™ IS THE 1 (SLOW) SPEED MODE. TO INCREASE THE SPEED SIMPLY PRESS THE SPEED SETTING BUTTON (SEE REMOTE DIAGRAM ON PAGE 3) YOU WILL HEAR A BEEP AND THE SPEED INDICATOR WILL DISPLAY THE CURRENT SPEED SETTING WITH THE NUMBER. NUMBER 1 INDICATES SLOW SPEED, 2 INDICATES MEDIUM SPEED AND 3 INDICATES HIGH SPEED.

### 3/4 CHANNEL SELECT

BATWING™ ALLOWS YOU TO CONTROL YOUR QUADROPTER IN 3 CHANNEL MODE (BEGINNER) OR 4 CHANNEL MODE (ADVANCED FLYING). THE BATWING™ DEFAULT SETTING IS 4 CHANNEL MODE. TO CHANGE TO 3 CHANNEL MODE: PRESS THE 3CH BUTTON (SEE REMOTE DIAGRAM ON PG 3), YOU WILL HEAR 3 SHORT BEEPS AND THE "3" WILL LIGHT UP ON THE CONTROLLER INDICATING THE BATWING™ IS NOW SET TO 3CH MODE. TO CHANGE BACK TO 4 CHANNEL MODE: PRESS THE 4CH BUTTON (SEE REMOTE DIAGRAM ON PG 3), YOU WILL HEAR 4 SHORT BEEPS AND THE "4" WILL LIGHT UP ON THE CONTROLLER INDICATING THE BATWING™ IS NOW SET TO 4CH MODE.

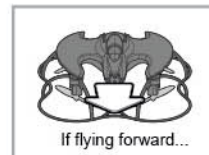
## UNDERSTANDING TRIM ADJUSTMENTS

### FORWARD/BACKWARD TRIM

- IF YOUR BATWING™ IS MOVING FORWARDS OR BACKWARDS AUTOMATICALLY, YOU MAY NEED TO ADJUST THE FORWARD/BACKWARD TRIM BUTTONS.
- IF YOUR BATWING™ FLIES FORWARD, PUSH AND RELEASE THE B TRIM BUTTON REPEATEDLY UNTIL THE MOVING STOPS AND PROPER FLIGHT IS MAINTAINED.
- IF YOUR BATWING™ FLIES BACKWARDS, PUSH AND RELEASE THE F TRIM BUTTON IN THE SAME MANNER UNTIL THE PROBLEM IS RESOLVED.
- FROM TIME TO TIME YOU MAY HAVE TO ADJUST THE FORWARD/BACKWARD TRIM TO ENSURE THE BATWING™ WILL HOVER IN MID-AIR AND RESPOND ACCURATELY TO YOUR COMMANDS.

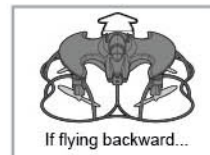


FORWARD/BACKWARD TRIM CONTROLS



If flying forward...

**B** PUSH BACKWARD TRIM BUTTON



If flying backward...

**F** PUSH FORWARD TRIM BUTTON

### BANKING LEFT/RIGHT TRIM

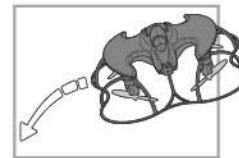
- IF YOUR BATWING™ IS NOT STEADILY HOVERING AND IS BANKING TO THE LEFT OR RIGHT AUTOMATICALLY, YOU MAY NEED TO ADJUST THE BANKING TRIM BUTTONS.
- IF YOUR BATWING™ BANKS TO THE LEFT, PUSH AND RELEASE THE R TRIM BUTTON REPEATEDLY UNTIL THE BANKING STOPS AND PROPER FLIGHT IS MAINTAINED.
- IF YOUR BATWING™ BANKS TO THE RIGHT, PUSH AND RELEASE THE L TRIM BUTTON IN THE SAME MANNER UNTIL THE PROBLEM IS RESOLVED.
- FROM TIME TO TIME YOU MAY HAVE TO ADJUST THE BANKING TRIM TO ENSURE THE BATWING™ WILL STEADILY HOVER IN MID-AIR AND RESPOND ACCURATELY TO YOUR COMMANDS.



4 CH LEFT/RIGHT BANKING CONTROLS



**L** PUSH THE "L" TRIM BUTTON TO INCREASE LEFT BANKING SENSITIVITY

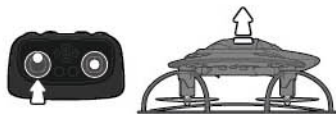


**R** PUSH "R" TRIM BUTTON TO INCREASE RIGHT BANKING SENSITIVITY

NOTE: THE USE OF THE TRIM BUTTONS ARE ACCOMPANIED WITH A BEEP TONE. A SINGLE LONG BEEP INDICATES THE PRODUCT IS CENTER TRIMMED. CONTINUOUS LONG BEEPS INDICATE THE PRODUCT IS TRIMMED TO THE MAXIMUM ON A PARTICULAR SIDE.

## 4 CHANNEL FLIGHT CONTROL

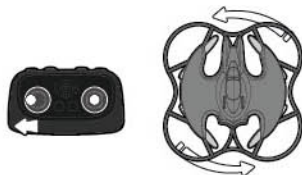
BELOW IS A LIST OF BASIC FLIGHT FUNCTIONS FOR YOUR LONG-RANGE REMOTE CONTROL BATWING™. WHILE LEARNING TO FLY YOUR BATWING™ IT IS BEST TO START WITH A LARGE SPACE UNTIL YOU GET USED TO THE BASIC CONTROLS. AS YOU MASTER FLYING YOUR BATWING™ YOU CAN MOVE TO MORE ADVANCED MANEUVERING TECHNIQUES. PRACTICE MAKES PERFECT! WHEN YOU HAVE THESE BASIC STEPS DOWN YOU CAN MOVE TO THE NEXT LEVEL.



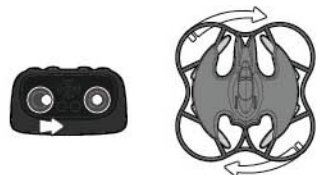
MOVE THE THROTTLE UP TO INCREASE THE SPEED OF THE MOTORS AND THE BATWING™ WILL RISE UP.



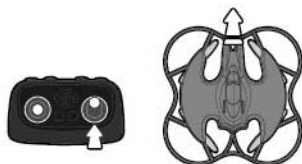
MOVE THE THROTTLE DOWN TO DECREASE THE SPEED OF THE MOTORS AND THE BATWING™ WILL DESCEND.



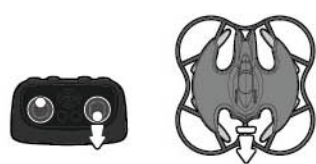
MOVE THE THROTTLE STICK LEFT AND THE BATWING™ WILL ROTATE LEFT.



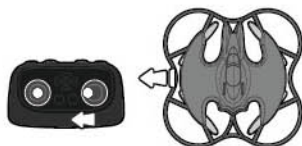
MOVE THE THROTTLE STICK RIGHT AND THE BATWING™ WILL ROTATE RIGHT.



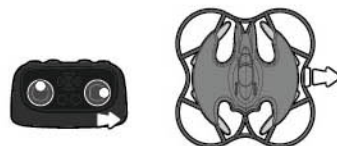
MOVE THE DIRECTION CONTROL UP AND THE BATWING™ WILL MOVE FORWARD.



MOVE THE DIRECTION CONTROL DOWN AND THE BATWING™ WILL MOVE BACKWARD.



MOVE THE DIRECTION CONTROL LEFT AND THE BATWING™ WILL BANK TO THE LEFT.



MOVE THE DIRECTION CONTROL RIGHT AND THE BATWING™ WILL BANK TO THE RIGHT.

## 3 CHANNEL FLIGHT CONTROL

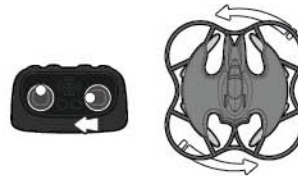
BELOW IS A LIST OF BASIC FLIGHT FUNCTIONS FOR YOUR LONG-RANGE REMOTE CONTROL BATWING™. WHILE LEARNING TO FLY YOUR BATWING™ IT IS BEST TO START WITH A LARGE SPACE UNTIL YOU GET USED TO THE BASIC CONTROLS. AS YOU MASTER FLYING YOUR BATWING™ YOU CAN MOVE TO MORE ADVANCED MANEUVERING TECHNIQUES. PRACTICE MAKES PERFECT! WHEN YOU HAVE THESE BASIC STEPS DOWN YOU CAN MOVE TO THE NEXT LEVEL.



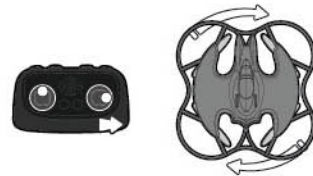
MOVE THE THROTTLE UP TO INCREASE THE SPEED OF THE MOTORS AND THE BATWING™ WILL RISE UP.



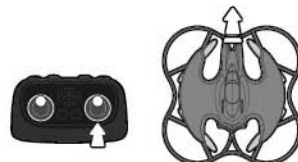
MOVE THE THROTTLE DOWN TO DECREASE THE SPEED OF THE MOTORS AND THE BATWING™ WILL DESCEND.



MOVE THE THROTTLE STICK LEFT AND THE BATWING™ WILL ROTATE LEFT.



MOVE THE THROTTLE STICK RIGHT AND THE BATWING™ WILL ROTATE RIGHT.



MOVE THE DIRECTION CONTROL UP AND THE BATWING™ WILL MOVE FORWARD.

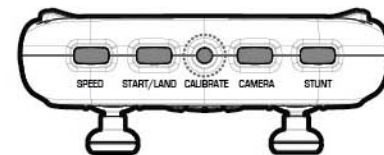


MOVE THE DIRECTION CONTROL DOWN AND THE BATWING™ WILL MOVE BACKWARD.

## CALIBRATING THE BATWING™

IF THE BATWING™ BECOMES UNSTABLE DURING THE COURSE OF FLYING, YOU MAY NEED TO RECALIBRATE THE INTERNAL GYRO. TO DO THIS PLACE THE BATWING™ ON A FLAT LEVEL SURFACE, PRESS AND HOLD THE CALIBRATE BUTTON FOR 3 SECONDS ON THE TOP OF REMOTE CONTROLLER.

THE LEDS ON THE BATWING™ WILL FLASH QUICKLY AND THEN REMAIN SOLID, THIS INDICATES YOUR DRONE HAS BEEN RECALIBRATED (SEE DIAGRAM).



## HOW TO DO 360° STUNT ROLLS

1. IN ORDER TO MAKE YOUR BATWING™ DO 360° ROLLS, YOU MUST FULLY CHARGE YOUR BATTERY.

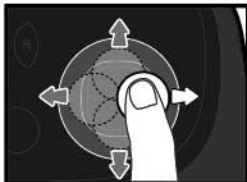
**NOTE:** THE BATWING™ WILL NOT DO 360° STUNT ROLLS IN SPEED MODE 1 AND UNDER LOW BATTERY INDICATION (THE LED LIGHTS ON THE DRONE WILL BE FLASHING).

2. ONCE YOU ARE READY TO ATTEMPT A 360° ROLL, SIMPLY DEPRESS AND LET GO OF THE "STUNT" BUTTON ON THE TOP RIGHT HAND SIDE OF YOUR CONTROLLER (SEE REMOTE DIAGRAM ON PAGE 3), YOU WILL HEAR A SOUND. THIS INDICATES YOU ARE IN "STUNT MODE"

3. NOW QUICKLY MOVE YOUR RIGHT CONTROL STICK IN ANY OF 4 DIRECTIONS; UP, DOWN, LEFT OR RIGHT AND YOUR BATWING™ COPTER WILL INSTANTLY ROLL IN THE ASSOCIATED DIRECTION. SEE DIAGRAM BELOW.



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M



## USING YOUR ON BOARD CAMERA AND VIDEO RECORDER

YOUR BATWING™ COMES EQUIPPED WITH AN ONBOARD DIGITAL CAMERA THAT TAKES BOTH VIDEO AND STILL PHOTOGRAPHS. NOW YOU CAN HAVE HOURS OF FUN CREATING AERIAL PHOTOGRAPHY AND VIDEOS FOR FAMILY AND FRIENDS.

### WHAT YOU WILL NEED TO GET STARTED USING YOUR CAMERA

1. ONE MICRO SD CARD (NOT INCLUDED), SUPPORT CLASS 10 MICRO SD CARD OR FASTER, UP TO 32 GB MEMORY STORAGE.
2. ONE MICRO SD CARD READER (INCLUDED)
3. ONE COMPUTER WITH USB PORT AND WINDOWS MEDIA PLAYER OR OTHER MEDIA PLAYER THAT CAN PLAY AVI FILES (NOT INCLUDED).

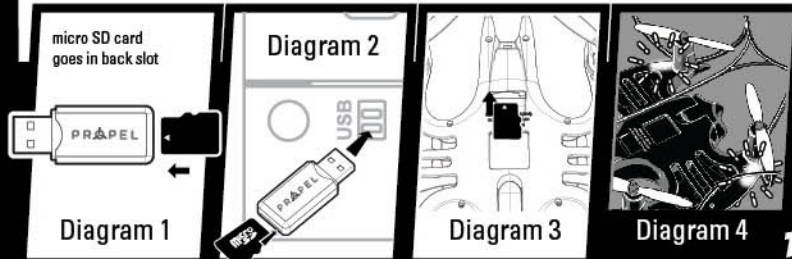
### FORMATTING YOUR MICRO SD CARD

BEFORE YOU CAN BEGIN TO TAKE VIDEOS OR DIGITAL PHOTOGRAPHS YOU MUST FIRST FORMAT YOUR MICRO SD CARD. TO FORMAT YOUR MICRO SD CARD SIMPLY PLACE THE MICRO SD CARD INTO THE INCLUDED USB CARD READER AND PLUG IT INTO YOUR COMPUTERS USB PORT (SEE DIAGRAM 1 AND 2 BELOW). AFTER A FEW MOMENTS AN ICON WILL APPEAR ON YOUR DESKTOP. RIGHT CLICK ON THE ICON AND FOLLOW INSTRUCTIONS TO FORMAT YOUR MICRO SD CARD.

### INSTALLING THE MICRO SD CARD IN YOUR BATWING™ QUADROPTER

- DISCONNECT THE BATTERY FROM YOUR BATWING™.
- PLACE THE FORMATTED MICRO SD CARD INTO THE BACK OF THE BATWING™'S DIGITAL CAMERA PORT. (SEE DIAGRAM 3 BELOW) PUSH GENTLY AND CONSISTENTLY UNTIL YOU HEAR AND FEEL THE MICRO SD CARD "CLICK" INTO THE DIGITAL CAMERA SLOT.
- RECONNECT THE BATWING™ BATTERY AND MAKE SURE THAT IT IS BOTH FULLY CHARGED AND PROPERLY SYNCED TO THE CONTROLLER (SEE HOW TO SYNC YOUR DRONE ON PAGE 4).
- WHEN YOU HAVE SUCCESSFULLY INSTALLED YOUR MICRO SD CARD AND YOUR BATWING™ IS POWERED UP, YOU WILL SEE SOLID RED LED LIGHTS ON THE CAMERA UNIT BELLY.

**NOTE:** IF YOU SEE A CONTINUOUS RAPID FLASHING LIGHT THIS MEANS YOU HAVE NOT INSTALLED YOUR MICRO SD CARD CORRECTLY OR THERE IS A PROBLEM WITH YOUR CARD. IF THIS HAPPENS FIRST MAKE SURE THAT THE PRODUCT IS NOT IN VIDEO RECORD MODE AND IF NOT THEN PLEASE REFORMAT AND TRY AGAIN. IF YOU CONTINUE TO ENCOUNTER PROBLEMS CALL OUR CUSTOMERS SERVICE LINE AT **949.566.9573 EXT 1** FOR ASSISTANCE.



micro SD card goes in back slot

Diagram 2

Diagram 1

Diagram 3

Diagram 4

## TAKING DIGITAL PHOTOS

TO TAKE PHOTOGRAPHS SIMPLY PRESS AND RELEASE THE PHOTO BUTTON ON THE TOP OF THE CONTROLLER (REFER TO CONTROLLER DIAGRAM ON PG. 3), WHEN YOU PUSH THE BUTTON YOU WILL HEAR A "BEEP" AND THE RED LED LIGHTS ON CAMERA WILL FLASH ONE TIME INDICATING THAT A PICTURE HAS BEEN TAKEN. WHEN THE CAMERA READY LIGHT BECOMES SOLID AGAIN YOU ARE READY FOR YOUR NEXT PHOTOGRAPH.

## RECORDING VIDEOS

TO RECORD A VIDEO FIRST MAKE SURE THAT YOUR QUADROPTER IS FULLY CHARGED AND THAT YOU HAVE CORRECTLY INSTALLED THE MICRO SD CARD IN THE QUADROPTER'S CAMERA PORT. BEGIN RECORDING A VIDEO BY PRESSING AND HOLDING THE VIDEO RECORD BUTTON ON THE TOP OF THE CONTROLLER (SEE CONTROLLER DIAGRAM ON PAGE 3). THE RED LED LIGHTS ON THE CAMERA LENS WILL FLASH CONSTANTLY TO INDICATE THAT YOU ARE IN VIDEO MODE AND THE CAMERA IS RECORDING. TO STOP THE VIDEO RECORDING, PRESS THE RECORD BUTTON A SECOND TIME. THE RED INDICATOR LIGHT ON THE BELLY OF THE CAMERA WILL CHANGE TO SOLID INDICATING THAT VIDEO RECORDING HAS STOPPED AND THE CAMERA IS IN READY MODE AGAIN.

**IMPORTANT NOTICE : YOU CAN NOT TAKE PHOTOS AND VIDEOS AT THE SAME TIME. WHEN YOU ARE IN VIDEO MODE YOUR CAMERA/ PHOTO BUTTON IS DISABLED. IF YOU WANT TO TAKE PHOTOS YOU MUST FIRST TURN OFF VIDEO MODE.**

## REMOVING YOUR MICRO SD CARD

TO REMOVE YOUR MICRO SD CARD PUSH IN GENTLY ON THE BACK OF THE CARD WITH YOUR THUMB OR FOREFINGER UNTIL YOU HEAR AND FEEL A "CLICKING SOUND". THE MICRO SD CARD WILL "POP OUT" SLIGHTLY AND IS READY FOR REMOVAL. SIMPLY GRAB AND PULL GENTLY AWAY FROM THE QUADROPTER CAMERA PORT TO REMOVE THE CARD. ALWAYS STORE YOUR MICRO SD CARD IN A CLEAN, SAFE AND COOL ENVIRONMENT.

## DOWNLOADING AND CLEARING SPACE ON YOUR MICRO SD CARD

PLUG YOUR MICRO SD CARD INTO THE MICRO SD CARD READER AND CONNECT TO YOUR COMPUTER. IT IS BEST TO ALWAYS DOWNLOAD ALL YOUR VIDEOS AND PICTURES ON TO YOUR COMPUTER AND NOT STORE THIS DATA ON YOUR MICRO SD CARD.

AFTER DOWNLOADING YOUR PHOTOS AND VIDEOS, FOLLOW YOUR COMPUTER'S INSTRUCTIONS TO "DELETE" FILES ON YOUR MICRO SD CARD.

**IMPORTANT NOTICE:** WHEN YOUR MICRO SD CARD IS FULL THE INDICATOR LIGHT ON THE BOTTOM OF YOUR QUADROPTER WILL NOT FLASH WHEN YOU PRESS THE PHOTOGRAPH OR VIDEO RECORD BUTTON. THIS INDICATES THAT IT'S TIME PUT A NEW SD CARD IN YOUR QUADROPTER OR DOWNLOAD FILES AND CLEAR SPACE FOR FUTURE PHOTOS AND VIDEOS.

## BATWING™ WARNING:

THE BATWING™ IS DESIGNED FOR INDOOR AND OUTDOOR USE. THE BATWING™ BLADES REVOLVE AT HIGH SPEEDS AND CAN CAUSE DAMAGE TO THE USER, SPECTATORS AND ANIMALS. STAND AWAY FROM THE BATWING™ TO REDUCE THE RISK OF GETTING INTO THE FLIGHT PATH. WARN SPECTATORS THAT YOU WILL BE FLYING YOUR BATWING™ SO THAT THEY ARE AWARE OF ITS POSITION. BEFORE FLIGHT, INSPECT THE ROTOR BLADES TO MAKE CERTAIN THAT THE BLADES ARE SECURELY FASTENED TO THE BATWING™.

### WARNING!

- CHOKING/CUTTING HAZARD. SMALL PARTS/SHARP ROTOR BLADES.
- KEEP HANDS, HAIR AND LOOSE CLOTHING AWAY FROM THE PROPELLER WHEN THE POWER SWITCH IS TURNED TO THE ON POSITION.
- TURN OFF THE TRANSMITTER AND THE BATWING™ POWER SWITCHES WHEN NOT IN USE.
- THE INCLUDED CHARGER IS BUILT SPECIFICALLY FOR THE BATWING™ LI-POLY BATTERY. DO NOT USE IT TO CHARGE ANY OTHER BATTERY.
- NEW ALKALINE BATTERIES ARE RECOMMENDED FOR MAXIMUM PERFORMANCE.
- PARENTAL SUPERVISION RECOMMENDED WHEN FLYING BATWING™.

### BATTERY WARNINGS

**RECHARGEABLE BATTERY:**  
THIS BATWING™ USES A LI-POLY RECHARGEABLE BATTERY. IF THE BATTERY NO LONGER STAYS CHARGED, DISPOSE OF THE BATTERY PROPERLY ACCORDING TO LOCAL DISPOSAL REQUIREMENTS.

### CONTROLLER BATTERIES:

REMOTE CONTROL REQUIRES 2 "AAA" BATTERIES (NOT INCLUDED). PLEASE READ THE IMPORTANT BATTERY SAFETY WARNING BELOW.

- DO NOT MIX ALKALINE, STANDARD (CARBON-ZINC) AND RECHARGEABLE BATTERIES (NICKEL METAL HYDRIDE).
- DO NOT MIX OLD AND NEW BATTERIES.
- NON-RECHARGEABLE BATTERIES ARE NOT TO BE RECHARGED.
- RECHARGEABLE BATTERIES ARE TO BE REMOVED FROM THE ITEM BEFORE BEING CHARGED (IF REMOVABLE).
- RECHARGEABLE BATTERIES ARE ONLY TO BE CHARGED UNDER ADULT SUPERVISION.
- EXHAUSTED BATTERIES SHOULD BE REMOVED IMMEDIATELY AND MUST BE RECYCLED OR DISPOSED OF PROPERLY, ACCORDING TO STATE OR LOCAL GOVERNMENT ORDINANCES AND REGULATIONS.
- THE SUPPLY TERMINALS ARE NOT TO BE SHORT-CIRCUITED.
- ONLY BATTERIES OF THE SAME OR EQUIVALENT TYPE AS RECOMMENDED ARE TO BE USED.
- BATTERIES ARE TO BE INSERTED WITH THE CORRECT POLARITY (SEE INSIDE BOOKLET FOR DIAGRAM).
- DO NOT DISPOSE OF BATTERIES IN A FIRE - BATTERIES MAY LEAK OR EXPLODE.

### CARE AND MAINTENANCE

- ALWAYS REMOVE THE BATTERIES FROM THE WIRELESS INFRARED REMOTE CONTROL WHEN IT IS NOT BEING USED FOR AN EXTENDED PERIOD OF TIME.
- TO CLEAN, GENTLY WIPE THE REMOTE CONTROL AND BATWING™ WITH A CLEAN DAMP CLOTH.
- KEEP THE TOY AWAY FROM DIRECT HEAT OR SUNLIGHT.
- DO NOT SUBMERGE THE TOY INTO WATER. THIS CAN DAMAGE THE UNIT BEYOND REPAIR.
- PARENTAL GUIDANCE RECOMMENDED WHEN INSTALLING OR REPLACING THE BATTERIES.

## REPLACING THE PROPELLER BLADES

### WARNING: REMOVE BATTERY BEFORE REPLACING BLADES

YOUR BATWING™ PROPELLER SYSTEM IS A PRECISION INSTRUMENT THAT MAY NEED REPAIR OR REPLACEMENT FROM TIME TO TIME FOR OPTIMAL FLIGHT FUNCTION. CRASH LANDING FROM HIGH-SPEED AERIAL FLIGHTS MAY CAUSE DAMAGE TO YOUR BATWING™ PROPELLERS.

1. THE BATWING™ HAS FOUR BLADES, TWO A & B BLADES ON FRONT, AND TWO B & A BLADES ON BACK (SEE THE DIAGRAM BELOW).
2. PICK UP A BLADE FROM THE INCLUDED SPARE PARTS AND MATCH THE MARKING TO THE DIAGRAM BELOW.
3. REPLACING THE CORRECT BLADE TO THE BROKEN BLADE.

