codrone

THE CODRONE IS A QUADCOPTER THAT YOU CAN EASILY PROGRAM USING OUR FRIENDLY, STEP-BY-STEP VIDEOS. WHETHER YOU ARE BRAND NEW TO DRONES AND CODING OR YOU'RE A LONGTIME DRONE LOVER, YOU WILL HAVE A BLAST WITH THE CODRONE.

WITH THE CODRONE PACKAGE, YOU CAN FOLLOW STEP-BY-STEP TUTORIALS AND INVENT ALL KINDS OF COOL APPLICATIONS. GOING ALL THE WAY FROM SIMPLY BY MAKING THE DRONE FLY TO HAVING IT FOLLOW PEOPLE OR EVEN BATTLE OTHER CODRONES. USING VARIOUS SENSORS AND ON-BOARD CAMERA, CODRONE CAN FOLLOW PEOPLE AROUND.

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codrone MINI

THE CODRONE MINI IS OUR MINIATURE DRONE, MEANT TO BE A GREAT INTRODUCTION TO CODING. START AT THE BASIC LEVEL, WITH BLOCK-BASED CODING USING BLOCKLY, AND MOVE ON TO ADVANCED-LEVEL TOPICS IN PYTHON, SUCH AS PLOTTING SENSOR DATA OR HOW A GYROSCOPE AND ACCELEROMETER WORKS.

WHY LEARN TO CODE WITH A DRONE?
CODING CAN SOMETIMES BE VERY ABSTRACT FOR STUDENTS TO UNDERSTAND, ESPECIALLY WHEN THEY CAN'T SEE HOW CODE CAN AFFECT THE REAL WORLD. CODRONE MINI MAKES THEIR CODE TAKE FLIGHT! AND WHO DOESN'T LOVE WATCHING THINGS FLY?

IT'S TINY AND DURABLE
CODRONE MINI FITS IN THE PALM OF YOUR HAND. IT'S ALSO DURABLE, SO YOU CAN TRIAL-AND-ERROR AS MANY TIMES AS YOU NEED TO GET IT RIGHT!

SEE YOUR CODE ACTUALLY TAKE FLIGHT
LEARNING WHAT FUNCTIONS AND VARIABLES ARE IS MUCH MORE EXCITING WHEN IT MAKES YOUR DRONE DRAW A STAR IN THE AIR OR DO A FLIP. DO A BUNCH OF ACTIVITIES THAT KEEP MOVING WHILE YOU LEARN.

TONS OF LESSONS FOR EDUCATION
WE COVER THE BASICS STARTING FROM LEARNING ABOUT LOOPS AND CONDITIONALS THEN GOING INTO MUCH MORE ADVANCED TOPICS LIKE READING SENSOR DATA AND USING IT TO GRAPH DATA IN PYTHON. STUDENTS GET TUTORIALS, TEACHERS GET LESSON PLANS.

WHAT'S INSIDE
1 CODRONE MINI
1 CODRONE MINI CONTROLLER
1 RECHARGEABLE BATTERY (~5 MINS OF FLIGHT)
1 BATTERY CHARGER (~45 MIN CHARGE TIME)*
1 MICRO USB CABLE (TO USB-A)
1 2-BATTERY CHARGER

TECHNICAL SPECIFICATIONS
CHARGING: 4-MINUTE BATTERY LIFE, 3.7V 220MAH 30C BATTERY
USAGE: 40-MINUTE CHARGE TIME
MEASUREMENT: 3.15 X 3.15 X 1.33 IN 80 X 80 X 34 MM
WEIGHT: 0.8 OZ / 24G

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codrone EDU

THE CODRONE EDU IS A PROGRAMMABLE DRONE, MEANT FOR LEARNING IN THE CLASSROOM. CODE IT IN PYTHON OR START FROM THE BASICS WITH BLOCK-BASED CODING. UNIQUE TO THIS DRONE ARE ITS COLOR SENSORS, A FRONT RANGE SENSOR, A BOTTOM RANGE SENSOR, AMONG OTHERS—ALL USABLE IN CODE. WITH A DURABLE AND SAFE FRAME, PROGRAMMABLE LIGHTS, AND ACCESS TO ITS 7 SENSORS, IT'S AN EXCELLENT LEARNING TOOL AND A GREAT WAY TO LEARN CODING AND ENGINEERING SKILLS.

BLOCKLY AND PYTHON
START WITH BLOCK-BASED CODING TO GET FOUNDATIONAL KNOWLEDGE ABOUT CODING, OR DIVE STRAIGHT INTO PYTHON, ONE OF THE MOST POPULAR CODING LANGUAGES USED TODAY.

7 SENSORS, CODE READY
THERE ARE PLENTY OF ADVANCED SENSORS PACKED INTO A SMALL PACKAGE. ALL OF THESE SENSORS CAN BE ACCESSED FROM CODE AND USED TO DETECT INFORMATION ABOUT THE ENVIRONMENT.

codrone EDU
A drone made for learning

ACCELEROMETER
FOR SENSING ACCELERATION
GYROSCOPE
FOR SENSING ROTATION
BAROMETER
FOR SENSING HEIGHT AND PRESSURE
FRONT RANGE
FOR SENSING OBSTACLES AHEAD
BOTTOM RANGE
FOR SENSING DISTANCE TO THE GROUND
COLOR
FOR SENSING SURFACE COLORS
OPTICAL FLOW
FOR SENSING RELATIVE POSITION

Replaceable propellers and motors
Radio frequency signal for a stable signal
Programmable LED
Programmable LCD screen
On-board programmable buzzer
Flexible propeller guards
Front range sensor
Front and rear color sensors
Real-time on-screen sensor readings

CODE SOUNDS & LIGHT
CODE THE LIGHTS AND SOUND TO INDICATE WHEN YOU'VE DETECTED AN OBSTACLE OR FLOWN ABOVE A CERTAIN HEIGHT, OR CODE THEM JUST FOR FUN.

PROGRAMMABLE CONTROLLER AND LCD SCREEN
THE CONTROLLER ISN'T JUST FOR PILOTING—IT READS REAL-TIME SENSOR DATA AND IT'S ALSO FULLY PROGRAMMABLE. USE CODE TO CREATE YOUR OWN CONTROLS, DRAW SENSOR DATA ON THE SCREEN, OR CREATE YOUR OWN APPLICATIONS.

A DRONE, MADE FOR THE CLASSROOM
WE KNOW CLASSROOMS HAVE UNIQUE NEEDS. WITH YEARS OF EXPERIENCE USING DRONES AS A TEACHING TOOL IN THE CLASSROOM, WE'VE CREATED OUR LATEST DRONE THAT'S TAILORED FOR LEARNING.
SAFE
FLEXIBLE GUARDS THAT MINIMIZE DAMAGE TO THE DRONE AND YOUR CLASSROOM
DURABLE, FIXABLE
MODULAR ENOUGH SO THAT IF PARTS NEED TO BE REPLACED, THEY CAN BE
STABLE SIGNAL
USE UP TO 15 DRONES IN A CLASSROM WITHOUT WORRYING ABOUT SIGNAL INTERFERENCE

WHAT'S INSIDE
1 CODRONE EDU
1 SMART CONTROLLER (2X AA BATTERIES NOT INCLUDED)
2 RECHARGEABLE BATTERIES
1 2-BATTERY CHARGER
1 MICRO USB CABLE (TO USB-A)
1 SET OF EXTRA PROPELLERS (2 CLOCKWISE, 2 COUNTER-CLOCKWISE)
1 SMALL SCREW DRIVER AND BOLT
1 QUICKSTART GUIDE
1 SET OF LABELS FOR YOUR DRONE AND CONTROLLER
8 COLOR LANDING PADS

TECHNICAL SPECIFICATIONS
CHARGE TIME: 60-MINUTE, 3.7V 950MAH 3C BATTERY
BATTERY: 8-MIN FLIGHT TIME
MEASUREMENT: 5.5 X 5.5 X 1.4 IN 124 X 138 X 35 MM
WEIGHT: 2 OZ 57G