

# V5 CLASSROOM STARTER KIT

## Electronics

### V5 Electronics

- (1) V5 Robot Brain
- (1) V5 Controller
- (1) V5 Robot Radio
- (1) V5 Robot Battery Li-Ion 1100mAh
- (1) V5 Robot Battery Cable
- (1) V5 Robot Battery Charger
- (1) V5 Robot Battery Charger Adapter - UK (Type G)
- (1) V5 Robot Battery Charger Adapter - EU (Type C)
- (1) V5 Robot Battery Charger Adapter - ANZ (Type I)
- (4) V5 Smart Motors
- (2) Bumper Switch v2

### V5 Smart Cables

- (3) 300mm Smart Cables
- (1) 600mm Smart Cable
- (1) 900mm Smart Cable

### Charging Cable

- (1) USB A to Micro Cable

## Motion

### Wheels

- (2) 4" Omni Wheels
- (2) 4" Wheels

### Shafts

- (2) 2" Shafts
- (2) 3" Shafts
- (1) 3.5" Shaft
- (3) 4" Shafts

### High Strength Gears & Inserts

- (1) 12T Metal Pinion
- (1) 12T Metal Pinion Insert
- (1) 84T High Strength Spur Gear
- (10) High Strength Gear Shaft Inserts

### Other Motion Components

- (1) V5 Claw Assembly

## Structure

### Nuts & Connectors

- (30) #8-32 Hex Nut
- (15) 1-Post Hex Nut Retainer w/ Flat Bearing
- (5) 1-Post Hex Nut Retainer
- (7) 4-Post Hex Nut Retainer

### Shaft Hardware

- (5) Flat Bearing
- (23) Rubber Shaft Collar
- (6) 0x2 Connector Pin
- (8) 1/8" Nylon Spacer
- (4) 3/8" Nylon Spacer
- (3) 1/2" Nylon Spacer
- (2) 7/8" Nylon Spacer

### Screws

- (30) #8-32 x 3/8" Star Drive Screw
- (2) #8-32 x 1.000" Star Drive Screw
- (4) #8-32 x 1/2" Locking Star Drive Screw
- (4) #8-32 x 1.500" Locking Star Drive Screw

### Steel Structure

- (3) 2x2x2x20 Steel U-Channels
- (2) 1x2x1x15 Steel C-Channels
- (2) 1x2x1x25 Steel C-Channels
- (2) 2x2x14x20 Steel Angles

## Tools & Accessories

- (2) V5 Battery Clips
- (2) #32 Rubber Bands
- (2) T15 Star Drive Key
- (50) 4" Zip Ties
- (1) V5 Clawbot Instruction Manual