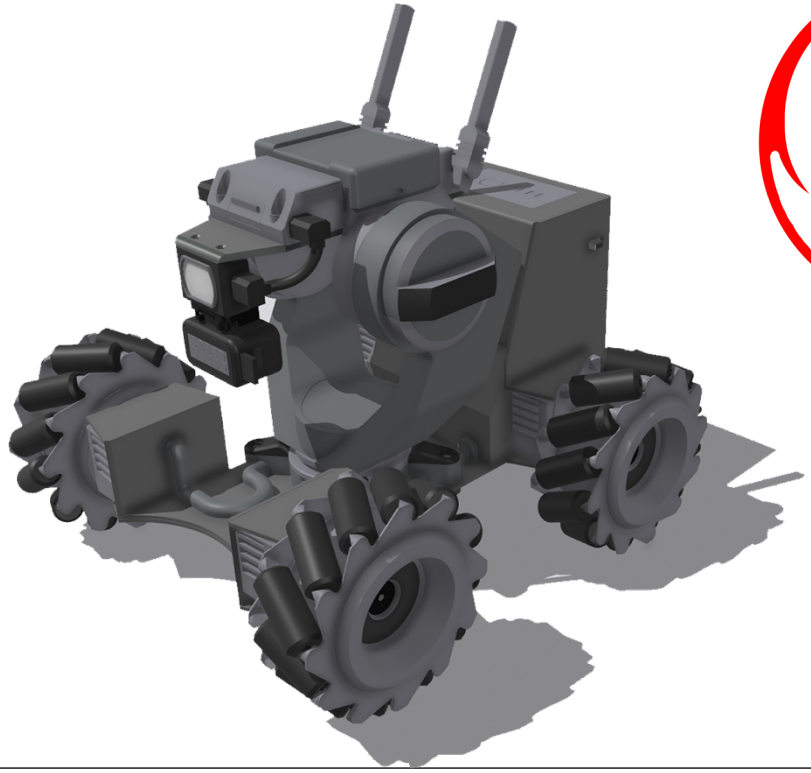
GC Inspection Botz

Exclusively Distributed By:
Meyer Machine Supply & Equipment
www.MeyerMachine.com
800-728-3828



Specifications

Structure

Dimensions	267 X 241 X 196 mm (L x W x H)
Weight	Approx. 3.54kg

Intelligent Controller

Operating Frequency	2.4 GHz, 5.8GHz, 5.1 GHz (Limited to indoor use with roller wheel system)

Intelligent Battery

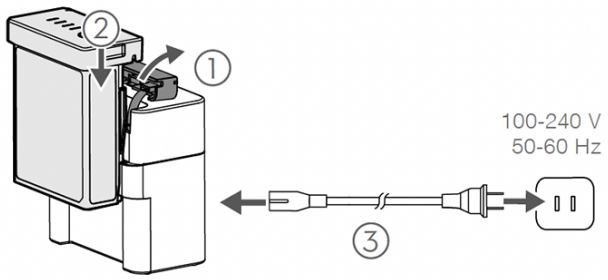
Capacity	2400mAHH
Charging Voltage	12.6V
Battery Type	LiPo 3S
Energy	25.92 Wh

The GC Inspection Botz utilize DJI electronics and can be controlled through the RoboMaster app which supports iOS 10.0.2 or later or Android 5.0 or later.

Updated Releases of GC Inspection Botz Mobile Platform Software will become available for future download. Botz using RoboMaster Control Software will be both Forward and Backward Compatible. Use of the upcoming GC Inspection Botz Software will utilize more functionality of the Botz features as they are developed.

Step 1

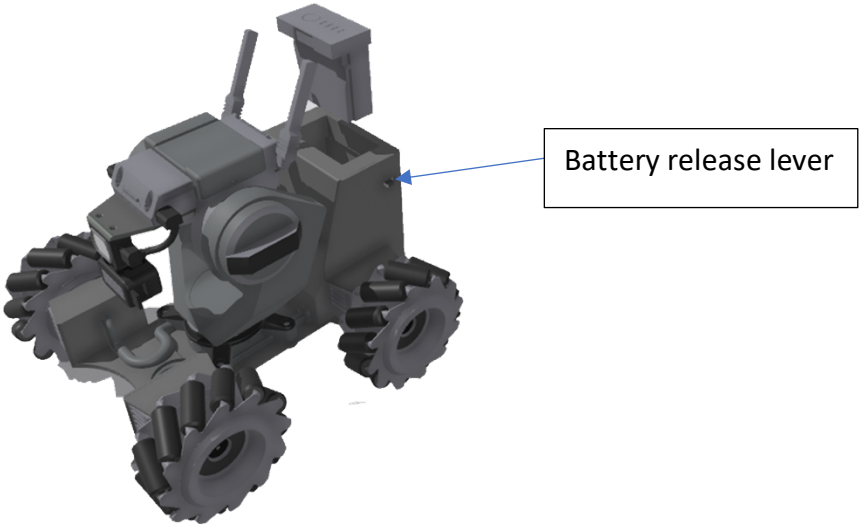
Charge the battery to bring it out of hibernation before using for the first time.



Charge time approximately 1.5 hours

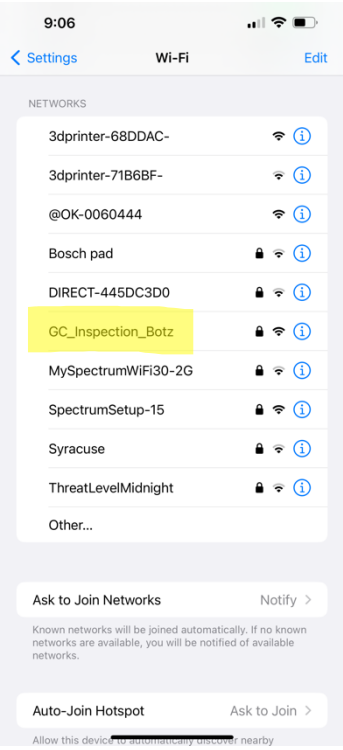
Step 2

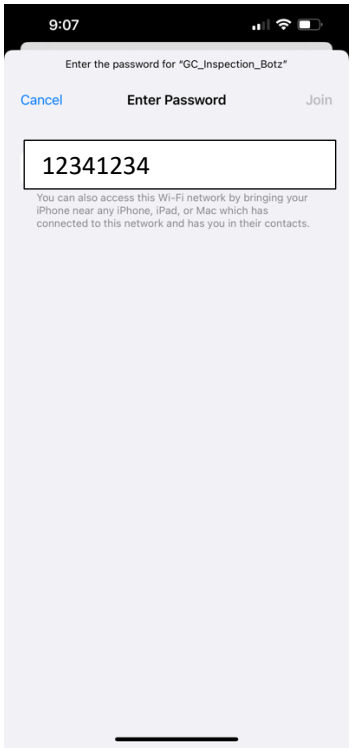
After the battery is charged, insert the intelligent battery into the GC Inspection robot, press and hold the power button until it is on. Power down the battery after use and before battery removal.



Step 3

Connect to the robot via WIFI on your smart device, WIFI host name GC_Inspection_Botz (or RMS1-*XXXXXX)* password 12341234

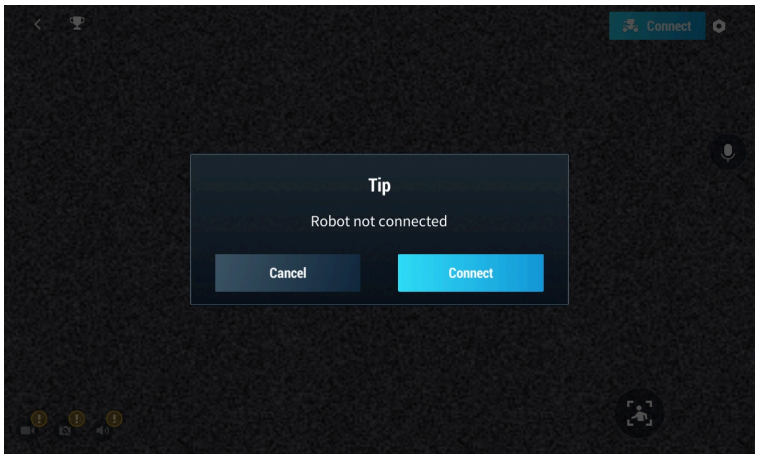




Step 4

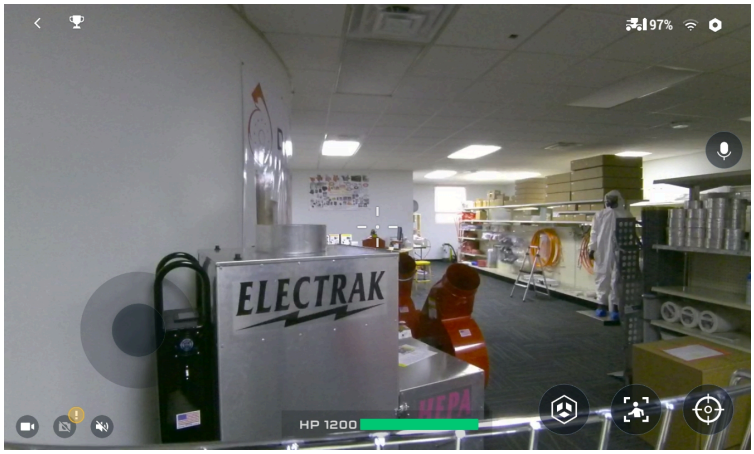
Open RoboMaster App on your Device.

If the DuctBotz Robot will not connect, browse back to the WIFI Settings of your device to check that you are successfully connected to the 'RMS1-*XXXXXX*' or 'GC_Inspection_Botz' SSID. Reopen RoboMaster to check for successful connectivity.



From the RoboMaster Home Screen, select the 'SOLO' operation mode.

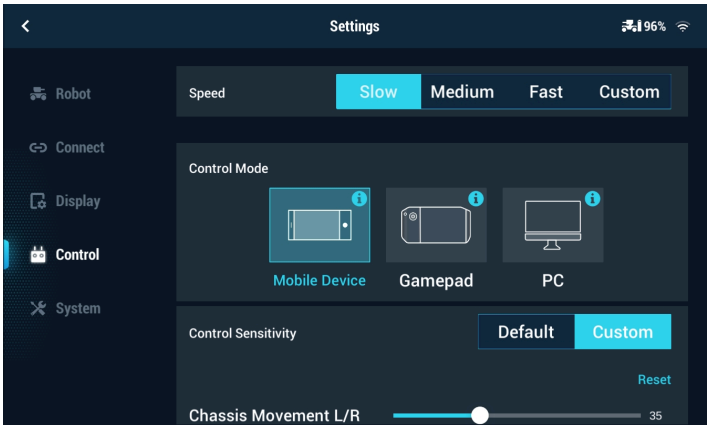
After selection of the 'SOLO' operation mode, the camera view of the DuctBotz will show on the device's screen. From this point, the DuctBotz can be controlled/driven by using touch screeen commands.



By using the operator's left thumb over the gray target area in the bottom left corner, the DuctBotz driving control of FORWARD/BACKWARD and LEFT/RIGHT can be controlled. The camera gimbal view is controlled in a similar way using the right thumb on the opposite side of the screen. The gimbal view can be controlled to 'look' UP/DOWN and LEFT/RIGHT. The camera gimbal will rotate on the cart and if continued signal is given for further directional view, the DuctBotz chassis will rotate itself and recenter the camera gimbal for the field of view.

The DJI GamePad can be used for the left thumb controls. If you desire to use the GamePad, use and connect your device with an appopriate USB cord, mount the device in the screen clamp, and power on the GamePad. The GamePad will connect, and you can then use the left thumb toggle stick. While your device is connected to the GamePad, it will provide charging power to your device.

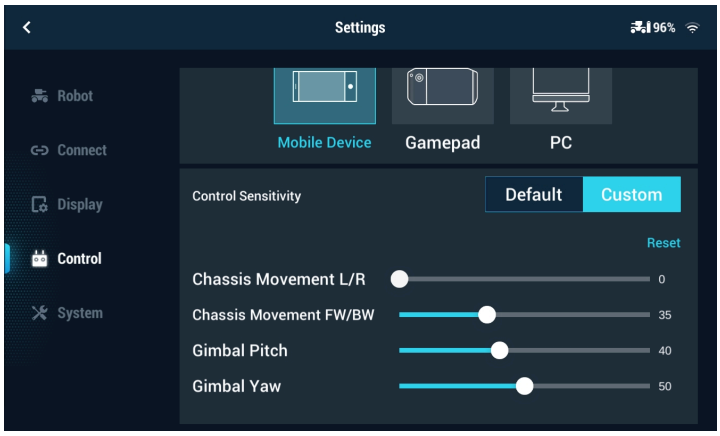
DuctBotz Control Settings



From the camera view screen within Robomaster, click on the 6-sided 'HEX-NUT' in the top right corner, to enter the Settings Screen.

Speed Controls can be adjusted to the user's level of driving competency. New users are recommended to use the 'SLOW' setting and increase the speed as competency increases, if desired.

Control Mode can be selected between 'MOBILE DEVICE' and 'GAMEPAD', depending on what is currently connected.



Control Sensitivity changes the signal gain that is sent to each of the component motors from the input that the operator gives through the remote controls.

CHASSIS MOVEMENT L/R: This feature adjusts and allows the DuctBotz to 'CRABWALK' with the mechanized wheels using the left thumb control. If the optional TRAX-KIT is installed, the sensitivity on this selection must be adjusted to 0 (ZERO).

**** DUCTBOTZ CANNOT CRABWALK WITH THE TRAX-KIT INSTALLED.**

CHASSIS MOVEMENT FW/BW: This feature adjusts the gain on forward and backward drive movement from the left thumb control.

GIMBAL PITCH: This feature adjusts the movement of the camera gimbal in the up/down axis.

GIMBAL YAW: This feature adjusts the movement of the camera gimbal and chassis response in the left/right axis.