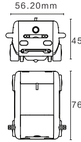
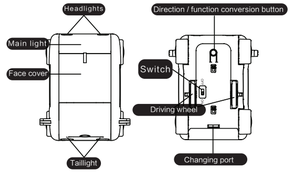
Configuration and products



Body size	56.20*76.72*45.25MM
Battery	ithium battery,3.7V 220MAH 30C
Working time	30min
Changing time	30min
Drive speed	72.5mm/s, max145mm/s
Driving distance	261M
Communication distance	Max 20m
Communication mode	Bluetooth 4.0
Built in sensor	Obstacle Sensor ,Curve Sensor, Bluetooth 4.0, LED,BUZZER

Name of component

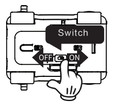


Charge

①Connect the USB port of the supplied charging cable to the USB port of the computer or charger.
②Insert the charging port of the charging line into the charging port at the bottom of the car to start charging.The green light is bright during charging and goes out after charging.

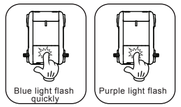
Turn on/off

①There is a power switch at the bottom of the vehicle
②Push the switch back, the power is on, and the LED indicator is always on.
③Push the switch forward, the power is off, and the LED indicator is off.

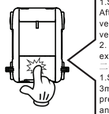


Calibration

5.1 Calibrate the gyroscope: after starting the machine, press and hold the front of the vehicle until the blue light flashes, After releasing, the blue light flashes quickly, and the gyroscope will be calibrated automatically
5.2 Calibrate the distance sensor: After starting up,keep your hand close to the front of the vehicle, press and hold the front with the other hand until until the purple main light flashes, release the front, and complete the distance calibration when the vehicle automatically retreats and stops.



Single-machine mode (no remote control or mobile phone)



一、Follow mode：
1.Starting up, press the front for 3 times continuously. After hearing the beep, place your hand in front of the vehicle and move back and forth. After the beep, the vehicle enters the following mode.
2. Long press the front of the vehicle to hear "mi re do" exit the following mode.
二、Patrol line mode：
1.Starting up, place the vehicle on the track (above 3mm width in black), enter the line patrol mode when press the front of the vehicle continuously for 4 times and hearing the beep. The vehicle will move forward automatically according to the depicted track.
2.Long press the front of the vehicle to hear "mi re do" exit the Patrol line mode.
3.When there is no track, the vehicle will automatically exit the line patrol mode after 10s.
4.Pick up the car, the bottom color recognition light is off, automatically exit the patrol mode.

Enter the APP and Bluetooth settings

7.1Download the APP according to your own mobile phone system model, as follows:
a.Android (support systems above Android 4.4)
Method 1: Scan the QR code in the browser and download the App.
Method 2: Download and install the App at Google play and search for "GD-42"
b2. Ios system (support system above IOS 10.0)
Method 1: Scan the QR code in the browser and download the App.
Method 2: Download and install the App at App Store, search for "GD-42".

Android

Ios system

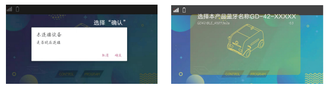
After the installation, the GD-42 icon can be seen on the desktop of the mobile phone.

（G42 APP 图标）

7.2 Turn on the vehicle power switch
7.3 Turn on the Bluetooth of the mobile phone and find the setting icon. The following connection operations take Meizu mobile phone as an example. The interfaces and icons of other mobile phones are slightly different (as shown in the figure).

Click the Settings button on the phone, enter the Settings interface, then find the "Bluetooth" settings, and click turn on Bluetooth.

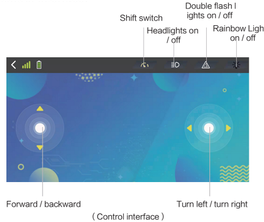
7.4Vehicle Bluetooth connection. Click OK and select the Bluetooth name to connect to Bluetooth.



7.5 Enter the APP. Click the Bluetooth name below to enter the APP.

（the main GD-42 interface）

7.6.Control interface
7.6.1In the GD-42 main interface as shown in the figure above, click the "remote control" button on the left to enter the control interface.



（Control interface）

7.6.2 Description of function

Rocker control: the left rocker is the throttle rocker, the right rocker is the direction rocker.

Throttle control: Push the left throttle putter above the median,and the vehicle forward.Push the throttle lever below the median and the vehicle back.When the throttle putter is in the middle, the vehicle is stationary.

Steering control: the right throttle push to left, the vehicle turn left, the right throttle push to right, the vehicle turn right.

Speed control: Click the speed control icon above to switch the control interface and the gear is from 1-2-3-1 Cycle switching

Headlight control: Click the headlight control icon above the control interface, and the headlights are on / off.

Double flash control: click the dual flash control icon above the control interface, and the double flash light is on / off.

Rainbow control: click the rainbow light control icon above the control interface and select the color, the double flash on / off.

7.7.Programming introduction

7.1 In the main interface of GD-42 in the figure below, click the "programming" button to enter the programming interface.

（Gd-42 main interface after successful vehicle connection）

7.7.2 Equipment module. As shown in the figure below, the equipment module includes forward , backward , speed, steering , default track selection module, etc.

(Programming the main interface)

7.7.3 Acoustooptic module.The acoustooptic module has color, headlight, rainbow light module, etc.

(Acoustooptic module.)

7.7.4 Event module. The event module has clicks green flag, the loudness is greater than a certain value, the message module, etc.

Event module

7.7.5 Control module.The control module has waiting time, repeated execution, judgment structure , etc.

(Control module)

7.7.6 Detection module.The detection module has a timer module, and timer zeroing.

(Detection module)

7.7.7 Operation module.Operation module has four operations, random numbers, and numerical judgment modules,etc.

(Operation module)

7.7.8 Variable module.The variable module has my variable module.

(Variable module)

7.7.9 Self made building block module. There are self-made building block modules.

(Self made building block module)

7.10 Module zoom and interface drag bar. The lower right corner of the main programming interface is the zoom control of the programming module, which can zoom in and out of the programming module for easy viewing. The plus sign is to enlarge the icon, the minus sign is to reduce the icon, and the equal sign is to return to the default size icon. Both horizontal and vertical planes can drag this interface through the drag bar to read the programming module.

(Module zoom)

7.11 Execution and Stop.The green flag in the upper right corner of the programming interface is the execution button of the module .The red figure is the stop button, click to stop the programming module. The blue icon is the menu button, click to select save, save as, load and empty.

(Execution and Stop)

7.12 Programming. First click the programming module on the left, such as press the event in the figure below, then press down the other programming module, drag to the blank interface on the right, and drop it. For example, by dragging the green flag module to the right side, the programming of a module is completed.

(Programming process)

Then repeat this process and drag other required programming modules to the module on the right, as shown in the case below.

(Programming cases)

7.13 Copy, comment and delete programming modules. If some programming modules are used incorrectly, they can be deleted from the programming interface. The operation method is shown in the figure below. For example, if we want to delete the "forward" programming module, long press the module to pop up the copy, comment and delete function option and select Delete.

（Interface for copying, commenting and deleting programming module）

7.14 The case is shown below

(This is a track of going forward for 5S - turning on the left turn light - whistle - turning left for 0.5s - turning off the left turn light - going forward for 5S and turning on the alarm light. The specific operations are as follows)

a.A.Click the Event , select the Green Flag module and drag it to the middle.
b.Click equipment, select the "move" and drag it below the green flag. Click the drop-down arrow on the right of "move" to change to "front", and click the drop-down arrow on the right of "speed" to change to "1".
c. Click "control" , select the "waiting" module and drag it below the edited module., and click the time module in the white circle number to change to "5".
d.Click equipment, select "move" and drag it below the edited module, click the drop-down arrow on the right of "speed", and the speed will be changed to "stop".
e.Click sound and light, select the setting module and drag it below the edited module, click the drop-down arrow on the right of the setting module to change to "left", and click the drop-down arrow on the right of the side light to change to "on".
f.Click the "sound and light" module, select "play music" and drag it below the edited module, click the first white "circle" on the right of "play music" and select "music", click the second white circle on the right of "play music" and set "1" second
g.Click equipment to select the steering module and drag it below the edited module, Click the arrow on the right of the steering module to change to "left", and click the drop-down arrow on the right of speed to change to "1".
h.Click "control" , select the "waiting" module and drag it below the edited module., and click the time module in the white circle number to change to "0.5".
i.Click equipment to select the steering module and drag it below the edited module. Click the arrow on the right of the steering module to change to "left", and click the drop-down arrow on the right of speed to change to "STOP".
j.Click sound and light, select the setting module and drag it below the edited module, click the drop-down arrow on the right of the setting module to change to "left", and click the drop-down arrow on the right of the side light to change to "off".
k.Click equipment to select the steering module and drag it below the edited module. Click the arrow on the right of the steering module to change to "left", and click the drop-down arrow on the right of speed to change to "off".
l. Click equipment, select the "move" and drag it below the edited module. Click the drop-down arrow on the right of the"move" to change to "front", and click the drop-down arrow on the right of "speed" to change to "1".

m.Click sound and light, select the alarm light module and drag it below the edited module, click the drop-down arrow on the right of the alarm light module and change it to "on".
n.Click "control" , select the "waiting" module and drag it below the edited module., and click the time module in the white circle number to change to "5".
o.Click equipment, select the direction and drag it below the edited module. Click the drop-down arrow on the right of direction to change to "front", and click the drop-down arrow on the right of "speed" to change to "STOP"
p.Click sound and light, select the alarm light module and drag it below the edited module, click the drop-down arrow on the right of the alarm light module and change it to "off".
q.Save: Click the menu in the upper right corner - select Save as - edit name - save.
r.Download saved: Click the menu in the upper right corner - select load - select name - select the arrow on the right to load the application.

Notes and maintenance

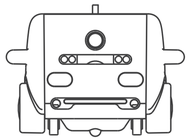
①Please do not change this product structure.
②Please reuse the battery or dispose of the battery correctly according to local regulations.
③Please do not throw or shake the product.
④Please read the product instructions and be familiar with the contents.
⑤Dismantling the product without permission is not within the scope of warranty.

Before use, please ensure that the surrounding vehicle worktable is clean and tidy, and carefully read the GD42 vehicle manual and operation manual in advance.

AP42-IM-EN

APEX

1 Configuration and products Name of component
2 Change Turn on/off
3 Calibrate Single-machine mode operation
4-6 Car-mounted APP installation method Function Introduction
7-12 Programming introduction
13 Notes and maintenance



NO.G-42

User manual