

Congratulations on your purchase of the Guru-Z BT Car Platform, the state of the art 1:58-64 car model. This Manual describes how to operate your new device.

**Precautions:**

- Car included LiPo battery. Never charge it unattended.
- Do NOT drain the car battery. Recharge when battery is low.
- Do NOT turn the front wheel by hand. This will cause damage to the gear box.
- Avoid to put the car on dusty / sandy surface.
- Charge for an hour before your first connection.
- Small parts in the model may cause danger to children.

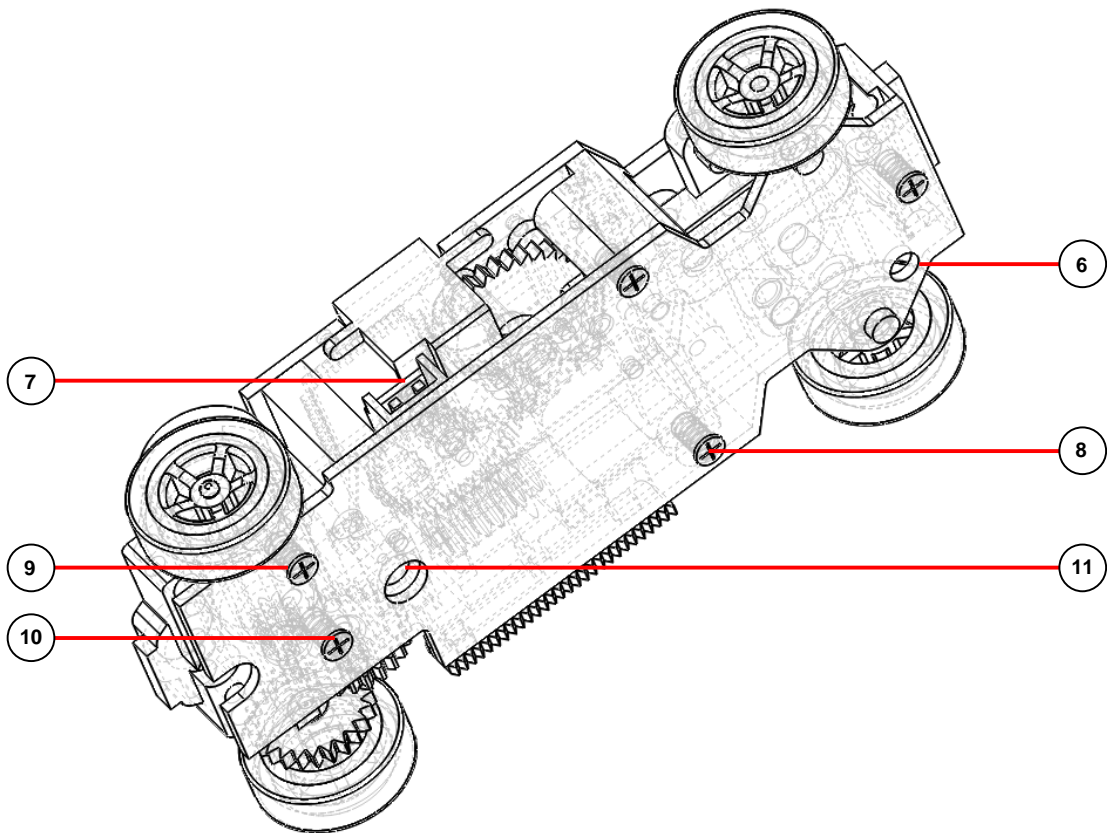
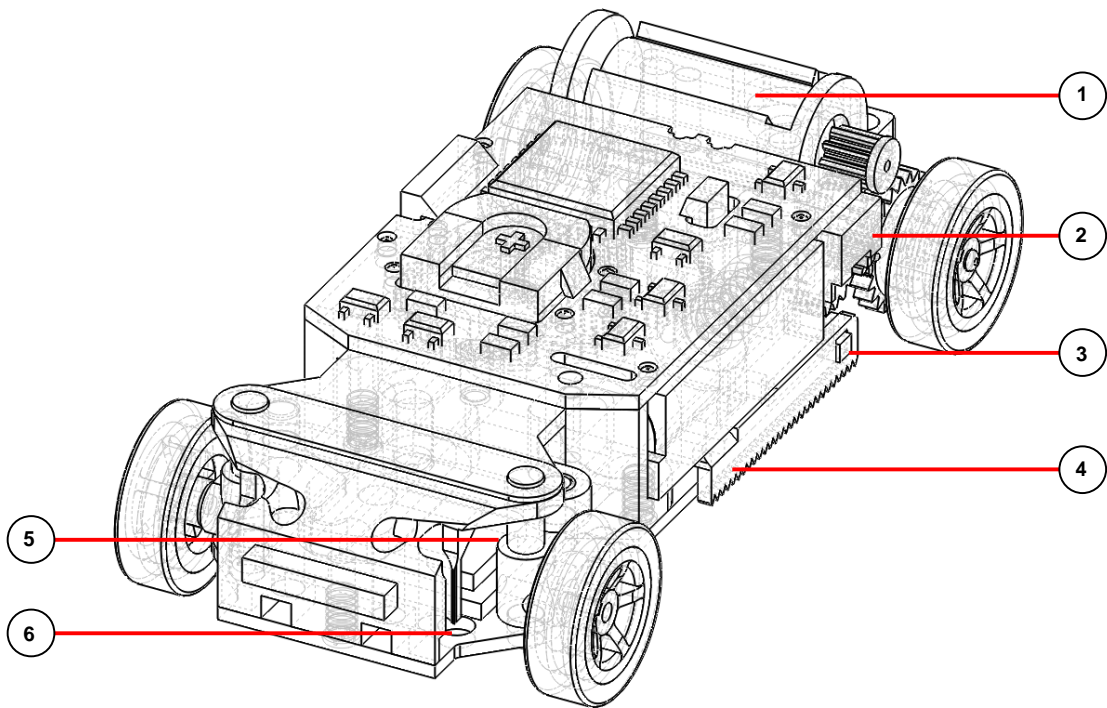
**Key features:**

- Class 2 Bluetooth controlled, with 10m range.
- Utilizing On-board Servo technology, which give you over 200 steps of steering control in extremely tiny space
- 6-way direction, all with continuous stepping.
- Fiber board Chassis
- Over 80min of fun with a single charge\*
- LEDs fully controlled by Apps\*\* (Front, Rear and Side LEDs)
- Convenient USB 5V charging
- optional Phone Strap
- optional suspension system
- optional more powerful motor
- optional mobile charger and charging dock
- User able to write their own app to control the car
- support most smartphone (Android, Symbian, Windows Mobile etc)

**Package Content:**

1. Car Chassis
2. Body
3. Battery
4. Charging cable
5. Reset Key
6. Phone charm (optional)
7. Battery securing tape
8. Mobile Charger (optional)
9. This manual (optional)

Hardware:



1. Main Motor
2. Motor socket
3. Power Switch
4. Charging indicator
5. Suspension System upgrade (optional)
6. Phone Strap hole
7. Battery Socket
8. Reset contact -A
9. Dock Charging contact -A
10. Reset contact -B / Dock Charging contact -B
11. Cable charging socket

### **Operation:**

1. Plugin the Battery pack according to the socket shape
2. Secure the Body to the chassis
3. Pairing your device with the phone
  - a. Turn on the car, waiting for the standby signal (refer to signal table)
  - b. Select "Scan for devices" in Bluetooth settings
  - c. Select "Guru-Z" and pair it with PIN "0000"
4. Download the controller app in Android Market. (search Guru-Z) Controller app is developed by 3rd party and some of them may need charges. (iPhone users please refer to website for latest announcement)
5. Install the App, and follow the instructions of the App to control the car

### **Resetting Device**

Some Apps will allow you to change Bluetooth name and PIN of the device. If you changed the PIN and forgot it, you will need to reset the device.

To reset the Bluetooth name and PIN:

1. switch off the car.
2. connect the reset cable to the 2 point as shown in the figure below
3. Switch on the car
4. When the White LED is blinking quickly, the reset procedure is done.

Note: Resetting the device will erase all data stored in the car, including the driver Level and Experience.

Note: The Flash in the device have the lifetime of 10000 cycles, so don't always reset it.

## Signal Table

Orange LEDs Blinking	Device ready and waiting for connection. When device is connected, all LEDs are controlled by App immediately (except the charging LED).
Charging LED on	Indicate charging in progress. It turns off when charging is completed.
White LEDs blinking	Device reset cycle done (remove reset cable and re-start)
Red LEDs Blinking (Fast)	Device reset cycle failed. Low Battery. Recharge battery and retry reset process.
Red LEDs Blinking (Slowly)	Device is connected, but no valid command received from app. (usually happen when out of range but not yet disconnected, or App is not sending correct signal)

## Troubleshooting Guide

- Q: Unable to search device in Bluetooth list  
A: Make sure Bluetooth is enabled in the controller. Try turn off and car and on again.
- Q: Unable to connect the car in app  
A: In some mobile phone, after pairing you may need to turn off the car and on again
- Q: Unable to connect the car in app  
A: When the device is waiting too long without a connection, it will goes into sleep mode. You need to turn off and on the car again for the connection.
- Q: Car stop when steering  
A: Low Battery, recharge it immediately
- Q: Car disconnect frequently  
A: Low Battery, recharge it
- Q: Front wheel is jittering  
A: Try connect it and see if it is gone. If it still appears, download the CarTune App to adjust the car steering performance
- Q: Car's speed decreased significantly even when it is fully charged  
A: Clean the gear box, most likely there are some hair / dust jamming the gear

Q: Car's steering is not smooth

A: Clean the steering gear box, most likely there are some hair / dust jamming the gear

Q: Car still go straight even when it is steered left / right

A: Clean front tire with alcohol and cotton stick; or try upgrade the Soft damping suspension

Q: No response after switching on the car

A: Out of battery. Recharge it. If problem still persist, send back to customer service for repairing

Q: Car suddenly stopped and Red light blinking

A: Device cannot receive recognized command. Try to move closer or restart the car. Contact app developer if problem persists.

## Technical Specifications

Size(Body & battery not included):

Length x Width x Height : 57 x 27.5 x 15.4 mm  
Weight: 22g  
Wheelbase: 41mm  
Track: 24.5mm

Electrical:

Bluetooth: Class 2 (CSR chipset)  
Bluetooth service: SPP (serial port)  
CPU: 12MHz  
System Memory: 4k Flash  
Battery Capacity: 120mAh (N)  
220mAh (S)  
320mAh (X)  
Main Motor Power: 0.8W max (Standard)  
1W max (Pro)  
LEDs: 1 for Charging  
8 for Lighting and signal

Mechanical:

Gear Ratio: 1:18  
Steering angle: +- 45 degree