INSTRUCTION MANUAL

1/5th Scale AWD Gasoline Power Off-road Buggy and Monster Truck

A. OFF-ROAD BUGGY

B. MONSTER TRUCK
This manual contains all the basic instructions for assembly, operation, and maintenance. Please read and understand all instructions thoroughly before operating and building your model.

**Features:**
1. High quality main/diff. gears.
2. Four wheel centre drive system, solid universal joint cups, high performance full ball bearing.
3. Fiberglass brake disc provides quick brake response under high temperature.
4. Wheel rim is assembled and secured by 24 screws enable the tire and wheel rim are not separated while high speed running.
5. Fold stylish and solid full anodized aluminum 6061 chassis.
6. New design solid roll Cage protects the inner instruction perfectly.
7. Perfect design and extra width front/rear suspension arm.
8. Powerful engine system with air filter, full aluminum polished exhaust pipe.
11. Stylish off road wing. (for Buggy only)

**Important Safety Precautions**
- Replace the shield body after adjustment and before driving.
- Do not abruptly alter the speed during running.
- Carefully check whether all screws or nuts are loose or not after running.
- Handle the fuel only outdoors!
- Never measure the fuel close to open fire or any source of heat.
- Never run the vehicle without a clean air filter installed.
- Do not run the model lean and do not allow the engine to overheat.
- Use the special fuel for models.
- Store fuel in cool, dry and dark places away from Children’s reach!
- Tighten the cap of the fuel bottle when not used.
- Never throw the empty fuel bottle into fire! Otherwise, it may explode.
- Do not put your finger or any object into the rotating or moving parts.
- To avoid the danger of burns, do not touch the engine and muffler immediately after they have stopped running.

**Before Starting Your Vehicle**
- Verify that all retainers are well fastened (screws, nuts, bolts and clips)
- Verify proper function of steering, drive-line and engine braking control.
Use Transmitter to control your Vehicle...

1:5th scale Gasoline powered RTR model Transmitter has 2 styles, LCD Transmitter(FM)& Multifunctional Transmitter(AM), you can choose it. Below in the LCD Transmitter(FM) function description.

Battery Precautions:
1. In order to keep continuous better performance under operations, we strongly recommend you to use the 1.5V alkaline batteries instead of the 1.2V rechargeable batteries eight AA battery should be inserted on the bottom of the transmitter.
2. The batteries may leak in the event that they are installed with wrong polarities.
3. Do not mix batteries of different types.
4. Do not leave the batteries if run in use for long periods.

LCD Transmitter(FM) Function Description:

1. Throttle trigger:
   - Push the trigger forwards to allow the vehicle to speed down to brake
   - Pull the trigger backwards to allow the vehicle to go forward and speed up.

2. Steering wheel:
   - Turn the steering wheel to the left or right.
   - Switch on the transmitter, then the receiver to start the engine or turn off the receiver then the transmitter to stop running engine.

3. The function switches on the transmitter:
   - Antenna
   - Switch key
   - 4-function key: Mode/Channel/Increase/Decrease
   - Throttle trigger
   - Steering wheel

4. Shortcut key:
   - Make sure antenna is properly inserted and screwed in the transmitter. Antenna should be fully extended.

5. ABS (anti-slip brake set)
   - ABS-TH: Brake return speed set
   - ABS-DS: Brake time speed set
   - ABS-CY: Perform cycle set
   - ABS-DO: Off or on set

6. ACC:
   - ACC-FW: Forward speed set
   - ACC-BW: Brake speed set

7. BMX: Brake function mix set

8. TRM: (idle) position adjust
   - TRM-ST: Steering trim set
   - TRM-TH: Forward trim set
   - TRM-SB: Steering angle set

9. D/R:
   - D/R steering rate set
   - D/R-ST: Steering angle set

10. ATL:
    - ATL-BK: Brake intensity set
    - ATL-TI: Steering trim set

11. SBT (two channel idle position set)
    - SBT-ST: Steering trim set
    - SBT-TH: Forward trim set

12. REV:
    - REV-ST: Steering reverse set
    - REV-TI: Forward reverse set

13. MODE SEL:
    - Set 10 models control data.

System Function Setting:
1. Copy mode control data
2. Mode control data initialization
3. Each mode control data name set.
4. Signal output set (PWM mode only)
5. FNC-SW2: Switch key
6. FCN-DT:
   - ST: Steering trim adjust
   - TH: Throttle trim adjust
   - DR: Steer control rate
7. LED-MD: LED brightness adjustment, press the increase or decrease to change light brightness.

2-Channel Radio Transmitting System
Please read the instructions for the radio system carefully before running your car.
The servo is required to be set at Center position before starting assembly. To set the servo at the Neutral position switch on the transmitter and receiver. Allow the servo trim arm at Center position, and turn off the transmitter then the receiver. All debug operations are complete, and the servo is in the Middle position that you expect.
### Off-road Monster Truck & Buggy Common Parts - 1

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<th>Part</th>
<th>Description</th>
<th>Image</th>
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<td>Chassis</td>
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<td>50002N</td>
<td>Front Shock Absorber (short)</td>
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<td>Rear Shock Absorber (long)</td>
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<td>Diff. Gear (33T)</td>
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<td>Clutch Bell Bush</td>
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<td>Centre Dogbone Joint Cup</td>
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<td>Diff Joint Cups</td>
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### Off-road Monster Truck & Buggy Common Parts - 2

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<td>Countersunk Mechanical Screw (4*20)</td>
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Upgradable Optional for Monster Truck & Buggy

- 054061-Front Lower Suspension Arm
- 054062-Rear Lower Suspension Arm
- 054063-Center Differential Mount
- 054064-Gear Mount
- 054067-Susp. Arm Short Holder (F/R)
- 054068-Susp. Arm Long Holder (F/R)
- 054069-Front Shock Absorber (1st)
- 054070-Rear Shock Absorber (1st)
- 054071-N Front Brace
- 054072-Servo Top Mount
- 054073-Center Diff. Tray
- 054074-Rear Reinforcement Plate
- 054058-Front Upper Top Plate
- 054065-Rear Upper Top Plate
- 054066-Center Diagonal 125mm
- 054067-Center Diagonal 172mm
- 050032-Fuel Tank Cover
- 054034-Engine Cover
- 054023-Engine Recoil Start
- 054020-Engine 24CC
- 054021-Engine 28CC
- 054027-Rear Lower Suspension Arm
- 054029-Shock Absorber Protective Cap
- 050048-Air Filter
- 050049-Air Filter
- 050031-Wheel Hub
- 050029-Shock Absorber Protective Cap
- 050010-Outerwear Shock Absorber Cover
- 050009-Universal Drive Joint 29 (Steel)
- 050012-Wheel Hub Cover
- 050011-Servo Mount (L/R)
- 050003-Center Mount (L/R)
- 050007-Rear Hub Carrier
- 050013-Engine Mount
- 050014-Body Post
- 050015-Roll Cage
- 050024-Aluminum Polished Exhaust Pipe
- 050039-Aluminum Polished Exhaust Pipe (For truck & buggy only)
- 050038-Aluminum Polished Exhaust Pipe (For truck only)
- 050033-Engine 28CC
- 050035-Engine 24CC
- 050036-Engine 28CC
- 050037-Engine 24CC
- 054016-Front Shock Tower (AL)
- 054018-Servo Mount (AL)
- 054010-Servo Horn (AL)
- 054015-Body Post (AL)
- 054016-Engine Cover (AL)
- 054017-Engine Cover (AL)
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