1:18 Radio Controlled Monster Truck

**Mini Madness Fast Facts**

- **Motor Size**: 540 Motor
- **Length**: 11.5 in. (292mm)
- **Width**: 10.7 in. (272mm)
- **Height**: 5 in. (127mm)
- **Wheelbase**: 7.5 in. (190.5mm)
- **Weight**: 3.5 lbs. (66 oz, 1.6kg)
- **Ground Clearance**: 1.5 in. (38mm)
- **Overall Wheel/tire diameter**: 4.1 in. (103mm)
- **Wheel Size**: 2.2 in. (55.8mm)
SAFETY PRECAUTIONS

- This radio controlled model is not a toy! For your safety, and the safety of others please follow these instructions.
- Do not operate your R/C truck in the following locations:
  1. Busy Street
  2. Crowded areas
  3. Anywhere people or property may be damaged
- The Mini Madness uses/contains many small parts, sharp tools, large plastic bags, and chemical materials. Please always supervise young children when using or working on the truck.
- Use only approved ground frequencies in the R/C unit.
- Always double check and make sure your frequency channel is open. Not checking may result in damage to your truck and even someone else’s R/C car or truck.
- Never run in or near water. Even the smallest amount of water will destroy your E.S.C or receiver if it gets inside the case.
- Always turn on your transmitter first and turn it off last.
- Do not touch the motor or the electronic speed controller after you have ran the truck. They may be very hot and could cause serious burns.
- Never run more then one battery pack back-to-back without allowing the motor and speed controller to cool down completely.
- Avoid touching the moving parts of the truck while operating. These parts, such as the gears or drive shafts, may cause serious injuries.
- Always disconnect the battery from the E.S.C after using the truck.
- Always wear eye protection when using any types of paint or adhesives.

INSTRUCTION

We would like to thank you for purchasing CEN Racing "Mini Madness" monster truck. Please read the following instructions for best results. This manual contains many useful operating tips. Please hold on to this manual for future references.

Item List:
Make sure you have all the following items.
1 x Mini Madness Truck
1 x 2 Channel Transmitter
1 x 7.2 volt, 1800 mAh Battery Pack
1 x Battery Charger
1 x Painted and Decaled Body
All necessary hardware and tools
Required Item: 8 AA Batteries
Step 1: Charge Battery Pack
Please charge your battery completely before attempting to operate your truck. Connect your charger and battery pack and allow charging for at least 8 hours.

Step 2: Install Batteries and Erect Antenna
Install 8 AA batteries into the transmitter following the polarity directed on the battery cover. Insert the transmitter antenna into the hole located on the forward top of the transmitter case. Push antenna all the way down then thread it by turning to the right until tight. Next slide your receiver antenna wire through the antenna pipe and press the pipe into the antenna mount located on your truck.

Step 3: Install and Connect Battery Pack
Install your charged 7.2V battery pack as shown in the picture. Secure the battery with the mounting bracket and secure. Connect the battery and speed controller plugs. Make sure they are pressed together firmly.

Step 4: Turn on Transmitter
Turn on your transmitter by pushing the switch on the top left side of the transmitter to the on position. You should see three lights (Green, Yellow, Red) light up on the right side of the transmitter. If only the red light is on, please replace your transmitter batteries immediately before operating your vehicle.
Step 5 Turn on your Truck
You can start the truck by activating the on/off switch as shown in the picture. Both green light and red light on the ESC indicate sufficient battery power level.

*Always turn on the transmitter first before starting the truck.

Step 6 Testing Operation
Before driving your truck, make sure everything is operating correctly. Make sure wheels turn left and right and throttle responds correctly. We recommend you perform a range test to get an idea of how far you can drive the truck. To range check your truck, have a friend hold your truck and walk away from the model with the transmitter. When you lose control of the model that is the range. Do not drive that far away or you will lose control of the truck.

Step 7 Play and Have Fun
Enjoy your mini madness.

Rules of Operation
The following rules should always be followed to prevent damaging your truck:
- Always make sure the transmitter is turned on first and turned off last.
- Allow the speed controller and motor to cool down completely between battery packs.
- Never overcharge the battery pack.
- Always remove the battery from the truck when charging.
- Do not drive the truck in water. If truck gets wet, stop running immediately and allow drying completely before using again.
- Always make sure your frequency is clear before turning on your transmitter.

Transmitter Instructions
Your transmitter operates on an AM/FM frequency. Exact channel will vary from truck to truck. Always check with other drivers around you for frequency conflicts. If two people have the same channel, you both will lose control of your trucks.

L.E.D. Power Indicator
Your transmitter has three L.E.D. (light emitting diodes) show the condition of the batteries in the transmitter. As the batteries get weaker the lights will go out indicating they have fallen below a certain voltage.
- Green Batteries are in good condition.
- Orange Batteries are in acceptable condition.
- Red Batteries are very low.

Trim Adjustments
Your transmitter has both throttle and steering trim adjustment knobs. They are located on the left side of the transmitter.
- Steering Trim: This is marked on the radio as ST Trim. You use this to set the alignment on your cart to go straight.
- Throttle Trim: This is marked on the radio as TH Trim. You will use this to adjust the neutral point for the throttle. If you want more roll or drag brake when the trigger is neutral, this is the knob to adjust it.
Steering Dual Rate Adjustment

This adjustment is used to adjust how much your steering servo travels. You normally want to have this turn all the way up for maximum steering. You will find this adjustment knob marked S T D/R as shown in the picture.

Servo Reverse Switches

These switches are located on the top of the radio next to the on/off switch. These switches will change the direction of the servos. There are two separate switches, one for steering and the one for throttle. 

**Warning:** Once the switches are adjusted, servos will turn at the opposite direction. Always reset the E.S.C. after adjusting the switches to prevent.

Ni-cad Battery Charging Jack

Only use a charging jack if you have installed rechargeable Ni-Cd or Ni-MH.

Important Information

There are a few things you must be aware of before and while you are using your model car. If you keep these things in mind you will get more enjoyment out of your model.

First thing to remember is that this is a high performance model truck and if abused, parts will be damaged. Damage resulting from crashing or abusing will not be covered under warranty. The user also needs to understand that if people are not properly cleaned and maintained, parts on the truck will wear out sooner and/or fall apart. Before using your Mini Madness truck you should look over for missing, cracked, or broken parts. Check all the screws to ensure they are still tight. Last but not least, make sure your transmitter batteries are in good condition.

After using your model, make sure you give the motor and speed control enough time to cool off completely between each battery pack. After you are finished running your model, it is best to completely discharge that battery. You can do this by either running the car until it stops receiving signals or attaching the battery to a discharger. Be careful not to over-discharge the battery if you are using a discharger.

**ADVANCED TECHNICAL INFORMATION AND SETUP**

Electronic Speed Controller

Mini Madness came with an Electronic Speed Control or E.S.C. The speed control has already been setup for you out of the box. If you ever experience irregular throttle response, please reset the speed control as instructed in the manual.

**Set-Up Instructions:**

- Turn your transmitter on followed by the E.S.C. First set up the transmitter with the following settings. Then proceed to the setup instructions below. **TH Trim:** 12 O’clock **Trigger Placement:** 5/5
- Press and hold the set-up button for about 3 seconds until you get a single green light flashing.
- Pull full throttle, next press the trigger forward for full brake and release.
- Press the setup button one more time to complete the setup process.

Adjusting the Slipper Clutch

Please use the hex wrench provided with your vehicle to adjust the slipper clutch as shown in P 6. Slipper clutch is designed to protect the drivetrain parts. Please do not overtighten or loosen the slipper clutch too much as damage may occur.

Optional Gear Ratios:

Mini Madness can accept different size pinion gears to alter acceleration and top speed to your personal preference. Your truck comes standard with a 21T pinion. You may go as low as a 20T (more acceleration) and up to a 25T (more top speed). Please keep in mind that as you increase the pinion size (more teeth) the motor and batteries will get hotter. Always keep an eye on the motor and battery temperatures if a different size of pinion gear is used and/or operating a vehicle during summer time and/or in a hot region.

Motor Upgrades:

The Mini Madness ESC is designed to use only on motors with 21 turns and up. Please upgrade your speed control if you wish to use a motor with less than 21T.

Optional Parts and Accessories:

CEN Racing offers a full line of option/performance parts to improve the speed and handling of your Mini Madness MT. Please check out the supplied catalog included with your truck. You can also find all the option parts on our website www.cenracing.com.

**Final Statement**

Hopefully you have read and understood all of the information we provided in this manual. If you have any questions about anything that you could not find inside this manual, feel free to contact your local authorized CEN racer or contact us directly at any time.
This is a diagram showing the rear transmission assembly. Notice the letter/number, example (A4). That shows where two parts or pieces come together.

Adjusting the Slipper Clutch
Please use the hex wrench provided with your vehicle to adjust the slipper clutch as shown in picture. Slipper clutch is designed to protect the drivetrain parts. Please do not overtighten or loosen the slipper clutch too much as damages may occur.
**BUMPER**

---

**SHOCK**

- Periodically check your shocks lengths. Shocks on the right should be exactly the same size as the shocks on the left.
- Periodically remove your shocks and check that the suspension arms pivot freely. If there found to be binding, clean and inspect for bent or broken parts.

---

**STEERING SAVER**

- Notice the letter/number, example (A4). That shows where two parts or pieces come together. The connection point may be found on another diagram.
This is the assembly of the entire frame.

Notice the connection points which are marked with the letter/number. Match the letter/number and that’s the two parts that go together.
## Upgrades List

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G70412</td>
<td>Aluminum Field Box</td>
</tr>
<tr>
<td>G70413BL</td>
<td>R/C Car Tool Bag (Blue)</td>
</tr>
<tr>
<td>G70413R</td>
<td>R/C Car Tool Bag (Red)</td>
</tr>
<tr>
<td>G70434</td>
<td>1/10 RC Bag with 2 inner boxes</td>
</tr>
<tr>
<td>SFS08</td>
<td>Pivot Ball 10mm</td>
</tr>
<tr>
<td>SP04</td>
<td>Pinion Gear DP48T23</td>
</tr>
<tr>
<td>G63121</td>
<td>Motor 16T/Double</td>
</tr>
<tr>
<td>G84256</td>
<td>Colorful Spring Set 30mm</td>
</tr>
<tr>
<td>G84299</td>
<td>Threaded Alum Shocks (CT4R)</td>
</tr>
<tr>
<td>G84252R</td>
<td>55mm Oil Damper (Red)</td>
</tr>
<tr>
<td>G84251</td>
<td>55mm Ultimate Oil Damper</td>
</tr>
<tr>
<td>G84252V</td>
<td>55mm Oil Damper (Violet)</td>
</tr>
<tr>
<td>G82219</td>
<td>ESS 300 (for Modified Motor)</td>
</tr>
<tr>
<td>G82122</td>
<td>High Torque 10kgs (144oz)</td>
</tr>
<tr>
<td>FF014GD</td>
<td>2.2 in. Off Road wheel (Gold)</td>
</tr>
<tr>
<td>FF014S</td>
<td>2.2 in. Off Road wheel (Silver)</td>
</tr>
<tr>
<td>GX502</td>
<td>Hex Post 33mm</td>
</tr>
<tr>
<td>G73901</td>
<td>Bearing 6x8x2.5</td>
</tr>
<tr>
<td>G73929</td>
<td>Bearing 3/16 x 3/8 x 1/8</td>
</tr>
<tr>
<td>G73906</td>
<td>Bearing 5x11x4</td>
</tr>
<tr>
<td>MDS02</td>
<td>Oil Shock</td>
</tr>
<tr>
<td>MDS03</td>
<td>King Pivot</td>
</tr>
</tbody>
</table>
MINI MADNESS

- Adjustable Gear Ratios
- Electronic Speed Control w/Reverse
- 8 Coil Over Shocks
- 540 Motor
- Pre-mounted Tires w/foam Inserts
- Standard Size Servo
- Fully Independent Front and Rear Suspension
- 1800 mAh Battery and Charger Included

- Completely Ready to Run
- Painted and Decaled Body
- Digital Proportional Radio
- Easy to Follow Step by Step Instructions
- Wide Variety of Upgrade Parts Available
CENCHAIN CO., LTD.
No.16, LANE 105, CHENG FU RD.
SANHSIA, TAIPEI HSien, TAIWAN, R.O.C.
TEL: 886-2-26681881
FAX: 886-2-26681899
E-mail: cen.tw@msa.hinet.net

CEN/GTC
1800 E. Miraloma Ave., F,
Placenta, CA 92870 USA
TEL: 1-714-792-1923
FAX: 1-714-792-1968
E-mail: sales@cenracing.com

Regency Power Limited  Hong Kong

CompetitionX
A WEB SITE FOR THE SERIOUS RACER

Printed in China
G102/011