

# 12V DC Nitro Engine Heater

## Instruction Manual



TKPC9000

**TrakPower™**  
SPEED EQUIPMENT

- Very small, lightweight and compact for quick and easy storage
- It is designed to transfer heat effectively and efficiently
- Access port on top allows you to start and monitor your engines temperatures without having to remove the heater

## HOW TO USE



1. Place the engine heater over the cylinder head.
2. Connect the power cord to a DC power source or 3S LiPo battery.
3. Push white power button. The LED will turn blue and the engine heater will begin heating the engine for 10 minutes. If the desired temperature is not reached within 10 minutes, push the power button again to heat for an additional 10 minutes.
4. To turn off the heater during the heating process, push and hold the power button for more than 3 seconds and the heater will stop.
5. Disconnect the DC power source and remove the heater from the engine. CAUTION: The heater and engine will be HOT.
6. Now you are ready to start your pre-heated engine.

**⚠ WARNING: NEVER APPLY POWER TO THE ENGINE HEATER IF IT IS NOT MOUNTED ON AN ENGINE. IT WILL OVERHEAT AND POTENTIALLY DAMAGE THE ENGINE HEATER.**

## SAFETY NOTES

- Before using every time be sure the heater element, cord, plug and PCB are in good condition. If any of these items are damaged, do NOT use the product.
- Do not pull, twist or bend the cord.
- NEVER leave the heater on unattended.
- ALWAYS unplug the heater before starting your engine.
- NEVER refuel your car with the heater connected.

## INTRODUCTION

The TrakPower engine heater uses technology similar to that used by Formula 1, Indy Car and NASCAR teams. It will properly pre-heat your engine to 140-158°F (60-70°C) in 10 minutes based on ambient temperatures.

The TrakPower Engine Heater will pre-heat all critical parts of your nitro engine, giving you minimal stress and wear on the engine. It helps relieve stress on the crankshaft, conrod, piston and sleeve during warm-up. It also gives you a very easy and smooth engine start, with no stress on your starterbox. Fuel consumption is much less, as you do not have to spend time warming up and adjusting your engine. A pre-heated glow plug will increase the life of your plug. It is also perfect for break-in, as it reduces the “pinch” on your new engine. You will experience that engine pre-heating is a must. Most importantly, it will quickly pay for itself by increasing engine life and performance!

## SPECIFICATIONS

Input Voltage	12VDC (12VDC power supply or 3S LiPo)
Heating Power	90W
Heating Time	10 minutes
Low Voltage Cutoff	9.0V (3.0V per cell)
LED Indicator	<b>Heating:</b> Solid blue LED <b>Low Voltage Cutoff:</b> Flashing blue LED
Weight	65g
Dimensions	<b>Diameter:</b> 63mm <b>Height:</b> 50mm

## SPECIAL FEATURES

- MCU control heating time and heating power for maximum safety
- Safety timer: turn off power around 10 minutes automatically
- LED indicator for status of engine heater
- 12V DC source with low voltage cutoff
- Fireproof and heat resistant adjustable cover
- Fits all .19-.26 RC nitro engines

- Store the heater in a safe area. After use, the heater will still be hot. Allow heater to cool before storing.
- This is an electrical product. It can result in dangerous shock and fire. Please use caution when using this product.

## **WARRANTY**

TrakPower warrants this product to be free from defects in materials and workmanship for a period of 120 days from the date of purchase. During that period, we will repair or replace, at our option, any product that does not meet these standards. You will be required to provide proof of purchase date (receipt or invoice). If, during the warranty period, your motor shows defects caused by abuse, misuse or accident, it will be repaired or replaced at our option, at a service charge not greater than 50% of the current retail list price. Be sure to include your daytime telephone number in case we need to contact you about your repair. This warranty does not cover components worn by use, application or reverse voltage, cross connections, poor installation, subjection of components to foreign materials, or tampering. In no case shall our liability exceed the original cost of the product.

### ***Your warranty is voided if:***

- You apply an input voltage that exceeds the maximum specifications of the engine heater.
- You allow water or moisture to enter the engine heater.
- You attempt to modify or tamper this engine heater.

Under no circumstances will the purchaser be entitled to consequential or incidental damages. This warranty gives you specific legal rights, and you have other rights which vary from state to state.

For service to your TrakPower ESC, either in or out of warranty, send it post-paid and insured to:

**Hobby Services** (217) 398-0007  
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Champaign, IL 61822

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