



## Welcome to the world of high voltage.

oneTeslaTS is a powerful singing Tesla coil kit which will shoot lightning, play MIDI files using electricity itself, and let you have some fun soldering.

With a stacked board design and an etched PCB primary, oneTeslaTS has been designed with ease of construction in mind. Assembled correctly, oneTeslaTS will give you gorgeous high-voltage streamers and powerful music generated by electricity. From the polished toroid to its sleek black and silver chassis, oneTeslaTS is engineered for beauty.

If you run into trouble, head to our support forum at [onetesla.com/forum](https://onetesla.com/forum).

If you need replacement parts sets, we have them available at [onetesla.com](https://onetesla.com).

Happy building!



**DOWNLOAD THE PDF USER MANUAL**  
at [onetesla.com/downloads](https://onetesla.com/downloads).

If you purchased or printed a manual, check that it matches the latest version number. If not, download the errata sheet.

# SAFETY WARNINGS



## Adult Supervision Required

Users under 18 should only use this kit under the supervision of an experienced adult.



## Pacemaker Warning

Persons with electronic medical implants such as pacemakers should not be near the Tesla coil during operation. EMI from the coil may interfere with the pacemaker's function.



## Eye Glasses Required

Always wear eye protection while soldering. Power semiconductors may overheat and fail violently, causing a shrapnel hazard. Wear safety glasses when working on the board while it is energized. Only power up the board when it is fully enclosed inside the chassis.



## Ear Protection Recommended

The Tesla coil output is loud; ear protection is recommended.



## RF Warning

Keep sensitive electronics away from the Tesla coil at all times. Use the entire length of the included fiber optic cable to distance your computer from the Tesla coil.



## Fire Hazard

The arcs from the Tesla coil can set flammable objects on fire. Keep all flammable objects away from the Tesla coil while it is in operation.



## Ozone Warning

The high temperature of the Tesla coil streamers causes the gases that make up air to form other compounds, including ozone (which can often be smelled when the coil is in operation) and nitrogen oxides. Keep the Tesla coil work area well-ventilated to prevent the buildup of irritating gases such as ozone and nitrogen oxides, which become toxic if concentrated.