

Divine Tribe v3 Ceramic Donut Atomizer Quick Start Guide

I want to use it now!

The atomizer works best with slow low draw hits. The donut takes a couple seconds from cold to make vapor. Let off the fire button a few seconds before you stop drawing. This helps keep the air holes open by cooling any reclaim left in the atomizer. Load small - bb size or smaller. Usually three to five 10 - 15s hits on that bb. **DO NOT** load a lot of material at once - it will just leak out the air holes and into the base. **DO NOT** suck like a vacuum cleaner - you'll just get splatter all over the cap. Now to setup your mod.

My mod has TCR mode - Stellar!

- 10mm donut TCR 240 20-24 watts
- 13mm donut TCR 345 30-35 watts

The above settings should allow the temperature on the screen to be pretty close to the donut. For the best results using TC, lock your atomizer resistance at room temperature. Don't be afraid to tweak these settings - higher TCR number will make the donut hotter than the screen number and a lower TCR number will make the donut temp lower than screen number.

My mod does TC but not TCR - Your best bet here is to use Ni mode at 30-20 watts and a temperature limit somewhat lower than the desired donut temperature. The ideal TCR number for the donut is between 200 and 400 while the TCR number for Ni is around 600. A temperature between 280-360 should yield donut temps between 360 and 420. Lock your atomizer resistance when cold.

My mod doesn't do temp control (TC) - At least 12w are needed to make enough heat to vaporize oil, but getting to 400F will take 5 seconds or so. 20-30 watts heats the donut faster but you **MUST** pulse the fire button to keep from blowing the donut. If you are using a mod in wattage mod only, you probably already know this.

Advanced TC configuration (ArcticFox Firmware)

For those with an eLeaf, Joyetech or Wismec mod and are pretty handy with computers. A windows computer or windows virtual machine is required to run the NFE toolbox which provides for configuring and loading the ArcticFox firmware (AFF) onto your mod. Also provided is a device monitor for real time monitoring of the mod in use. AFF allows a profile based configuration with intelligent switching of up to 8 atomizers. AFF also has support for PI regulator temperature control and fully customizable screen output. All configurations can be performed on the mod or via the NFE Toolbox interface. If all of this still makes sense and sounds like a good idea - proceed, you won't look back.

The process of reflashing the firmware is very simple. Download and unzip the NFE toolbox from <https://github.com/TBXin/NfirmwareEditor/releases> and the most recent build of the AFF from <https://github.com/maelstrom2001/Arcticfox>.

Plug your mod into the USB port on your computer and launch NfeToolbox.exe. Use "Firmware Updater" to reflash your mod. Choose the AFF .bin file you downloaded.

Now you can configure profiles using "ArcticFox Configuration". Start with the same TCR configuration to the left. Then click the "setup" button next to temp control and enable PI-Regulator. The percentage value is when the PI-Regulator kicks in - a zero value means it's enabled from start to finish while a number indicates percent of desired temperature. I leave 0% and set P=1000 and I=20. Testing with an IR thermometer with emissivity set to 0.65 shows my donut temp tracks within 10F of the displayed temperature. I create one profile for 10mm donuts and one for 13mm donuts. I also like to increase the puff cutoff time to 15 seconds on the "Advanced" tab.

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Usage and cleaning notes:

- There is a "break-in" period for a new/clean donut - load *slightly* more during this time (first 5-10 loads)
- There is a "sweet spot" where new loads and reclaim are balanced - using cool down hits can extend this time. Finish each session with a full unpowered cool down hit. Holding your mod upside down after a hit will let the reclaim drop down on the bottom of the donut for vaping. Holding the atomizer at a *slight* angle and rotating in a circle while hitting it will help the hot oil touch the bottom of the donut and vaporize.
- Once past the "sweet spot" the excess reclaim must be removed. I use a tightly rolled up paper towel for this. Roll the paper towel like a cigarette (flat end) and insert into the atomizer. Hold it upside down and fire it to heat the reclaim. You can assist this process by blowing through one air intake while covering the other. Rotate the paper towel to clean the walls too. Finally, re-roll the paper towel with a pointed end and work the center and sides of the donut soaking up most of the reclaim. This will extend the time between break down cleaning.
- Eventually a full break-down cleaning will be required as the donut will have some buildup and taste will be affected. This is best accomplished with a little ISO and a torch. First note the cold resistance of your atomizer. Remove the outer cover from the base by removing the three screws. Soak the base assembly in ISO for 10 minutes or so and then wipe off as much reclaim as you can with q-tips or a paper towel. Now disassemble the base and donut cup by removing the two post screws. Carefully separate the cup and donut from the posts. Straighten the leads with a needle nose pliers and carefully slide the donut out of the cup. This takes some finesse because reclaim will lock the leads in the holes. Put the cup back in the ISO and gently grab the donut leads with a locking pliers and use a torch to burn the crust off the donut. Move the torch frequently and do not cherry the donut. While the donut cools, clean the cup with a toothpick and q-tips until clean. Q-tip out the inside of the ceramic base and mouth piece with some ISO and dry off all parts. Reassemble the atomizer and check that the cold resistance has not changed. Treat yourself to a nice dab on a clean donut.
- New donut/cups are cheap - you can avoid most of the cleaning and torching by just q-tipping the base and replacing the donut and cup, but with proper cleaning a donut can last 6 months or longer.
- A little bit of coconut oil makes a great lubricant for the mouthpiece o-rings.