

# Conductive Starter Mix Procedure

By QuickBurst

“Made in Texas By Texans”

Your kit will contain the following:

1 - 2 or 4 Oz white polypropylene jar. The 14 gram kit includes a 2 oz jar and the 28 gram kit includes a 4 oz jar. labeled “Conductive Starter Mix”.

1 - Small glass jar labeled “Binder”.

1 - Small plastic bag labeled “KCLO<sub>4</sub>” (oxidizer). It also contains a small packet of desiccant. Remove the desiccant pack and discard properly.

1 - Small Glass Bottle Labeled “Coating”.

3 - Wooden stir sticks.

Step 1 - Remove the lid from the white plastic jar labeled “Conductive Starter Mix” and set aside.

Step 2 – Remove the lid from the glass jar labeled “Binder”. Pour its entire contents into the Conductive Starter Mix jar. Now fill the glass jar with acetone and shake well. Now pour the contents of the glass Binder jar into the Conductive Starter Mix jar. If you are mixing the 28 gram kit add another half jar of acetone. You most likely will need to thin the mix later.

Step 3 – Stir the mix well. Be careful to keep it in the jar. This mixture will stain anything it touches.

Step 4 - Now open the plastic bag labeled KCLO<sub>4</sub> and add the contents to the mixture. Stir well, you cannot stir too much. Feel free to add acetone as needed, if you overdo it don't worry, the acetone will flash off (evaporate) easily. Stir and blow over the top of the jar to thicken the mix, or add acetone to thin. You want the mix to cling to the wood stir stick. When you see it clinging to the stir stick, cap the jar and prepare your first lead.

Step 5 - You will need either 24 AWG (or smaller) double copper conductor wire or Cat 5 wire will work. Shooter wire is easiest to work with. Shooter Wire, Bonded Pair, Lamp Cord ... it has many names. Trim about ¼ to 3/8” of insulation off one end. They will need to be about 1/16 “ apart. You can use the stir stick to space the conductors. Once you have the two conductors stripped, begin the dipping by sinking them into the mix. Dip it in and give it a little shake to make sure there are no bubbles between the twin conductors. Gently blow over the starter to help it set. Dip repeatedly until you get the thickness needed. This may take several coats of mix. You just made your own starter.

Step 6 – Let your starters sit overnight to cure.

Step 7 – Check finished starter for continuity, using a VOM (volt ohm meter) or other electrical tester to check for continuity/resistance. If you do not have continuity your starter will not work. Resistance will range between 2 and 6 Ohms, if not within this range, dissolve your starter in a small amount of acetone and add back to the mix jar.

Step 8 – Life in a range box can be difficult, always apply a protective coating over the starter to make it more robust by dipping the finished starter into the “Coating” bottle. All it takes is a quick dip into the bottle to properly coat your starter. Allow an hour for the coating to dry.

Step 9 – Always bench test your starters to be sure.

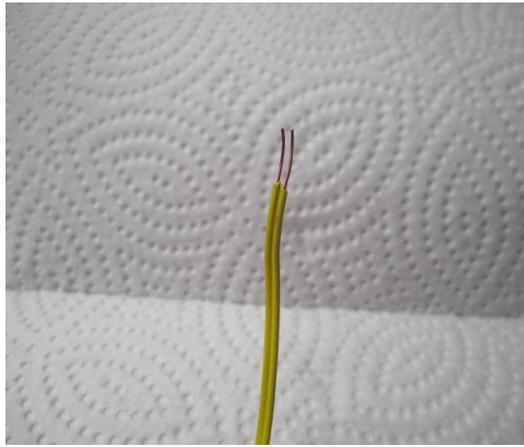
Notes:

1. Your starters are designed to operate at 12 Volts DC, this is what is normally found at most launches.
2. Use only non-spark producing tools, wood, brass, stainless steel or acetone resistant plastic.
3. NEVER ADD OXIDIZER TO A DRY MIX, always wet it first then add oxidizer.
4. Do not smoke while using the mix, do not expose to sparks, heat or flame. Once mixed it is highly flammable, “The best defense for a blow ... is don’t be there” Bruce Lee.
5. If you need more coating contact Customer Service at 979-373-6601, or [info@quickburst.net](mailto:info@quickburst.net). I can get more out to you pretty quickly. I’ll send you a PayPal invoice and you can provide funding through that. At this time another bottle will cost you \$8.00 which includes shipping.
6. In a pinch you might try a very light coat of fingernail polish or dissolve Ping-Pong balls in acetone. Please note that these methods have not been tested with the product and will not be as effective as the coating included with the mix.
7. Do not get the mix on your clothing, floor or furniture. The mix will stain everything.
8. If the mix is spilled you will have a mess on your hands, do not spill the contents.
9. Return any unwanted product to the manufacturer for proper disposal, there is a nominal charge for this.
10. Acetone is available at most hardware or home improvement stores. Use only fresh Acetone. Do not use Fingernail polish remover, Alcohol or anything other than fresh clean acetone. Acetone is hygroscopic; meaning it will absorb moisture from the air. Keep it closed when not in use.

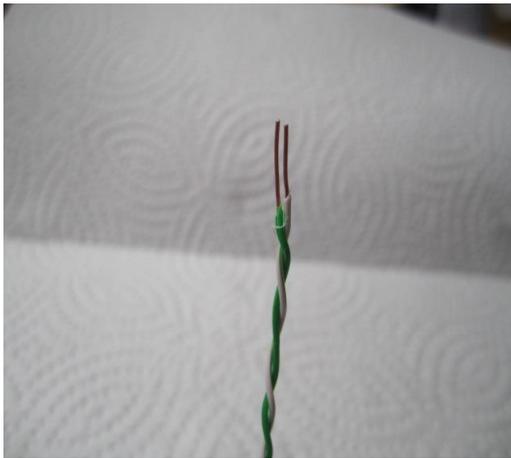
Do not use this product outside of the manufacturer’s intended use. The manufacturer’s intended use is that the product be used for hobby rocket motor ignition only, held at insured launches. Any other use is outside of the manufacturer’s intended use.



Shooter Wire Start



Shooter Wire Strip



Cat5 Wire Strip



First Dip



Last Dip

To Contact Customer Support,

979-373-6601

[info@quickburst.net](mailto:info@quickburst.net)

This and all products made by QuickBurst are available at [www.quickburst.net](http://www.quickburst.net)