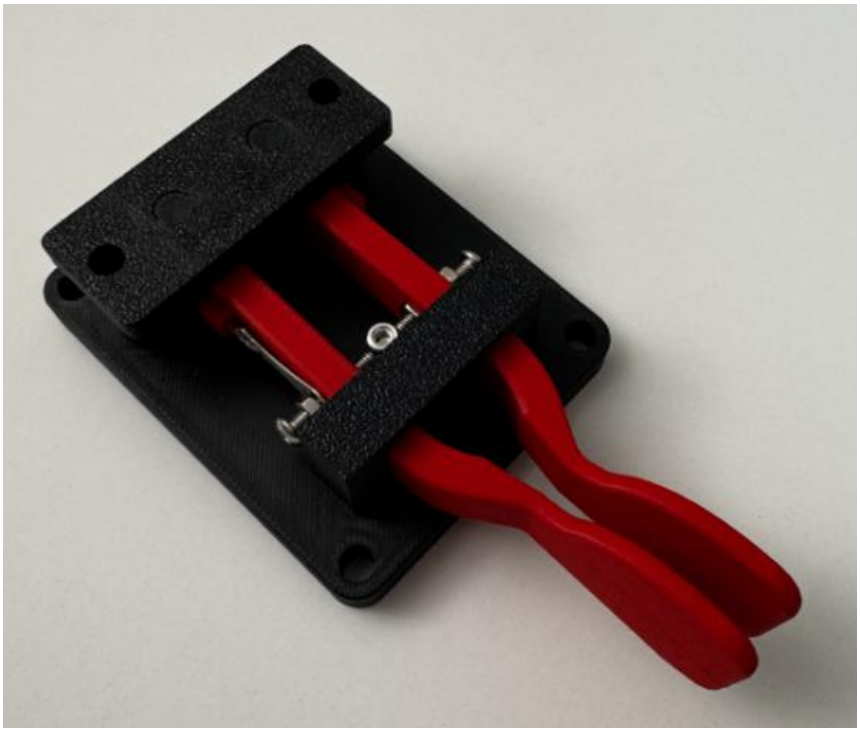
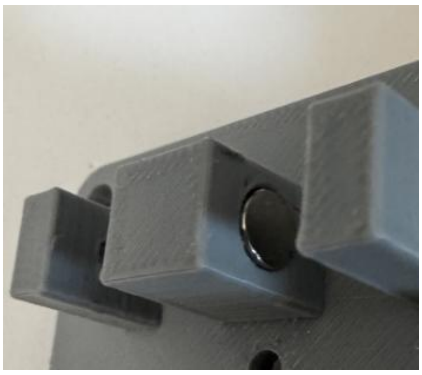
3D Printed Iambic Morse Code Key By N5TM



1) **Press the magnets into the base**



I like to align them with a pair of pliers then use one of the paddles handles to press into the plastic hole. Position them N-S N-S so that they attract each other.

2) **Install the center post in the base.**

3) **Press the magnets into the paddles.**

Make sure that the magnets will be in opposing directions from the magnets in the Base. I like to put one of them close to the corresponding magnet in the base which will grab it. Then very carefully use pliers to slide it off of the base magnet, maintaining the correct N-S direction.
Turn the magnet over before pressing into the paddle, to align for opposing forces.
Test for opposing polarization by temporarily sliding the paddle into place.

4) **Solder wires onto each of the lugs provided. One for the underside of the center post, and two for each paddle.**

Slide the wire through the hole in the paddle**.** Then install the M3 hex screws and nuts.

5) **Slide the paddles onto the posts and test the alignment.**
   You can adjust the spacing of the M3 screws to your preference with the center post.

6) **Thread the wire from each paddle through the holes in the base.**

7) **On the bottom side place the wire into the slots and connect to the 6-32 screws.**

   I just strip a portion of the wire and wrap it around the screw, then tighten the nut on the top side.

8) **I suggest mounting the key to a board or heavy piece of metal.**
   Attach Dit -Dah wires to each of the outer screw posts and the common (Gnd) wire to the center post.

9) Kit Contents

1. Key base
2. Left paddle
3. Right paddle
4. Front hold down bracket
5. Rear hold down bracket
6. Rare earth 6X2mm magnets (4 pieces)
7. M3 screws (2 pieces)
8. M3 nuts (4 pieces)
9. Center post and 14/20 screw
10. Solder terminals (3 pieces)
11. 6-32 screws and nuts (3 sets)
12. Solder and wire not included