



Duo to DuoV2 Upgrade Instructions

Recommended Tools:

Phillips head screwdriver
Long shaft flat-head screwdriver
Needle nose pliers

Included Parts:

DuoV2 crossover
4 slot port dampeners
2 bags of stuffing
V2 label

We strongly recommend reinstalling the magnetic guard over the tweeter to protect the delicate ribbon during the entire process. Please fully read all instructions before starting.

1 Remove the Tweeter

- a) Gently lay the speaker back so the front of the speaker is facing upwards.
- b) Using the Phillips head screwdriver, carefully remove the (4) screws from around the perimeter of the tweeter and set them aside.
- c) Lean the speaker forward and carefully remove the tweeter and gaskets from the cabinet.
- d) Gently remove each female wire connector from the tweeter's male terminals. You will need to gently wiggle the connector to remove it from the terminal. Do not apply too much force or you will risk damaging the tweeter and/or the connector itself.

2 Remove both Woofers

- a) Using the Phillips head screwdriver, carefully remove the (6) screws from around the perimeter of one of the woofers and set them aside.
- b) Lean the speaker forward and carefully remove the woofer from the cabinet. Sometimes the woofer might appear to be stuck in the cabinet. This is due to the gasket between the woofer basket frame and the cabinet itself. When this happens, we recommend inserting one of the Phillips head screws you just removed into one of the woofer's mounting holes. Angle the screw downward (or upward) so that the threads of the screw grip the basket frame and pull on the screw. If still stuck do this same procedure in a few of the other mounting holes. If you still can't get the woofer out, please call us.
- c) Once the woofer is out, gently remove each female connector from the woofer's male terminals. You will need to gently wiggle the connector to remove it from the terminal. Do not apply too much force or you will risk damaging the woofer and/or the connector itself.
- d) Take note of the woofer gasket. Repeat steps a-d to remove the 2nd woofer.

3 Remove the old crossover

- a) Once the tweeter and woofers have been removed, flip the speaker over so it is now laying face down. Be sure to push the crossover wires back into the cabinet so as to not scratch the cabinet. We recommend laying the speaker on a soft cloth to protect it.
- b) Carefully remove the (4) Phillips head screws from the crossover cup and set these aside. Note, the crossover cup screws are a different size than the woofer or tweeter mounting screws, please do not mix them up.
- c) After all (4) screws have been removed, gently remove the crossover from the speaker cabinet.

4 Install new crossover

- a) Install new V2 crossover into the cabinet.
- b) Using the same crossover screws that you previously removed, secure the V2 crossover into the cabinet. Do not overtighten the screws as you might crack the crossover cup.

5 Install additional damping material

- a) Now that the new V2 crossover is properly installed, flip the cabinet back over so that the front of the speaker is now facing upward towards the ceiling. Grab the woofer and tweeter crossover wires and position them so that they hang outside the speaker cabinet and out of the proper cutout holes. Brown/Black wires are for the woofers, Red/Black are for the tweeter.
- b) Remove the white damping material from the bag and insert it into the woofer cutout. This damping material is meant to be directly behind the woofer and is used together with the damping material that is already installed in the cabinet. Leave the old damping material intact.

6 Reinstall the woofers

- a) Properly align the woofer gasket back into the woofer cutout.
- b) Grab the brown and black crossover wires and reconnect the terminals to the woofer. Important note, these female terminals must be a tight fit on the woofer terminals. If they are not, remove them from the woofer terminals, gently tighten them down using a needle nose pliers and reconnect.
- c) Place the woofer back into the speaker cabinet ensuring the screw holes are aligned and then secure it into the cabinet using the same screws you previously removed. Be sure the screws are tight, but please avoid overtightening.
- d) Repeat steps a-c for the 2nd woofer.

7 Reinstall the tweeter

- a) Grab the red and black crossover wires and reconnect the terminals to the tweeter. Important note, these female terminals must be a tight fit on the tweeter terminals. If they are not, remove them from the tweeter terminals, gently tighten them down using a needle nose pliers and reconnect.
- b) Place the tweeter back into the speaker cabinet ensuring the screw holes are aligned and then secure it into the cabinet using the same screws you previously removed. Be sure the screws are tight, but please avoid overtightening.

8 Insert the slot port dampeners

Please see the last page for a diagram.

- a) The black slot port dampeners are a pressure fit and they must be slightly compressed in order to install into the front slot port. Grab a dampener and then using your index finger, middle finger and thumb, with both of your hands – gently compress the dampener. Start at one end and move down towards the other end.
- b) Insert the first dampener into one of the front slot ports on the left side of the port. If the dampener is too tight, repeat step a. Do this until it is fully inserted into the slot port.
- c) Using the long shaft flat head screwdriver, gently nudge the dampener towards the back of the cabinet. Do this until you feel the dampener hit the back of the cabinet (it will not move any further back).
- d) Insert the flat head screwdriver into the slot port and nudge the dampener as far left as it will go. For proper installation, there should be no gaps between the dampener and the side of the slot port. You do not have to use the flat head screwdriver, anything strong can be used, the dull side of a kitchen knife works great too, as does a metal putty knife. The idea is to get the dampener as far to the side as possible, as well as to the back of the cabinet.
- e) Grab the other dampener and install into the right side of the slot port, repeating the above steps a-d.
- f) Repeat steps a-e for the other slot port.

9 Adhere the V2 product label

- a) Place directly above the serial number label.

Congratulations, you are finished, enjoy your new Duo V2!!

