



All Rapid Fire DIY Kit Installation Guide (except dual rapid)

Read this entire document before proceeding!

1. Open controller using supplied Torx screw driver. See figure 1
2. Take circuit board out of controller and set it to the side and place the back of the controller on the table. **See Figure 2**
3. Now put super glue, crazy glue, or a very “thin” amount of super glues in the spot where the mod chip will go. **See Figure 3**
4. After the glue is dry make sure it’s securely glued down.
5. Now you need to install the supplied button(s). You can either use the supplied button(s) or a button you have picked up somewhere else. As long as it’s a “Momentary push button” it will work. If you use the supplied button you will need to drill a hole using a 5/32 drill bit. **See figure 5** for where we place our buttons.
6. Glue the button in place using hot glue with 2 prongs facing you, and the other two prongs facing away from you. We find it’s best to hold the button in place, and glue one side at a time. **See figure 6**
7. Now clip the prongs facing away from you. **See figure 7**
8. Now you are ready to wire. Take a look at **figure 8 and 9** and copy it exactly.
9. B+ goes to power (Red Wire)
B- goes to ground (Black Wire)
RT goes to Right Trigger (White Wire)
LED goes to the bottom of the 4th quadrant LED.(Yellow Wire)
BT 1 goes to one pin on the newly installed button (Blue Wire)
BTN 1 goes to the other pin on the newly installed button. (Blue Wire)
10. Before closing the controller bend the two pins on the newly installed button “UP” so that the motor will not touch it. **See Figure 11** Now close up the controller making sure everything goes back in the same way it came out. Make sure you have not jammed the sync button at this point. If you have, open, and they re-close the controller. Screw the controller shut and make sure all buttons feel “right”.
11. Now put on the battery pack and turn the controller on. The microcontroller will detect what type of controller you just installed it in. This detection takes a couple seconds so if you start pressing the button on the bottom, and the 4th LED isn’t lighting up, give it a couple more seconds. If it still doesn’t light up, remove the battery pack, re-install the battery pack, and turn on the controller again.
12. Now you are ready to play! Go have some fun!

Notes:

Be careful connecting the wire to the LED! Bead a little bit of solder on to the bottom of the LED FIRST, then attempt to connect the LED wire to it. If you head the LED up to much it may come off, and you may not be able to get it back on! Also, use glue as to make sure that by pressing the power button it will never come loose. See Figure 10

After the installation, if you notice that your trigger seems to have a “sweet spot” (Trigger doesn’t rapid fire when all the way pulled in, but does when almost pulled all the way in) you will need to remove the resistor at “R2” on the mod chip. Be careful removing this resistor. Put the soldering tip on 1 side of the resistor and let is heat up for a couple seconds then use the tip to “lift” the resistor off. Once it is removed you will need to smear solder across the two pads that the resistor sat on. See Figure 12

Use caution when using the soldering iron, and keep your fingers as far away from the soldering iron as possible!

The microcontroller must redetect the type of controller every time the battery pack is removed and re-installed. You must turn the controller on within a couple seconds of re-installing the battery pack in order for the auto-detection to work.

If you need assistance or have questions about the installation you may contact our support team at 1-866-205-5268 and follow the prompts. If you are unable to reach the support team, please feel free to post your questions in our forums at <http://gamermodzforum.freeforums.org> and many other members will be able to help you.

Disclaimer:

GamerModz, LLC and it’s authorized distributors are not responsible for damage to your controller, or injury resulting from DIY installations of our products.

Figure 5



Figure 6



Figure 9



Figure 10

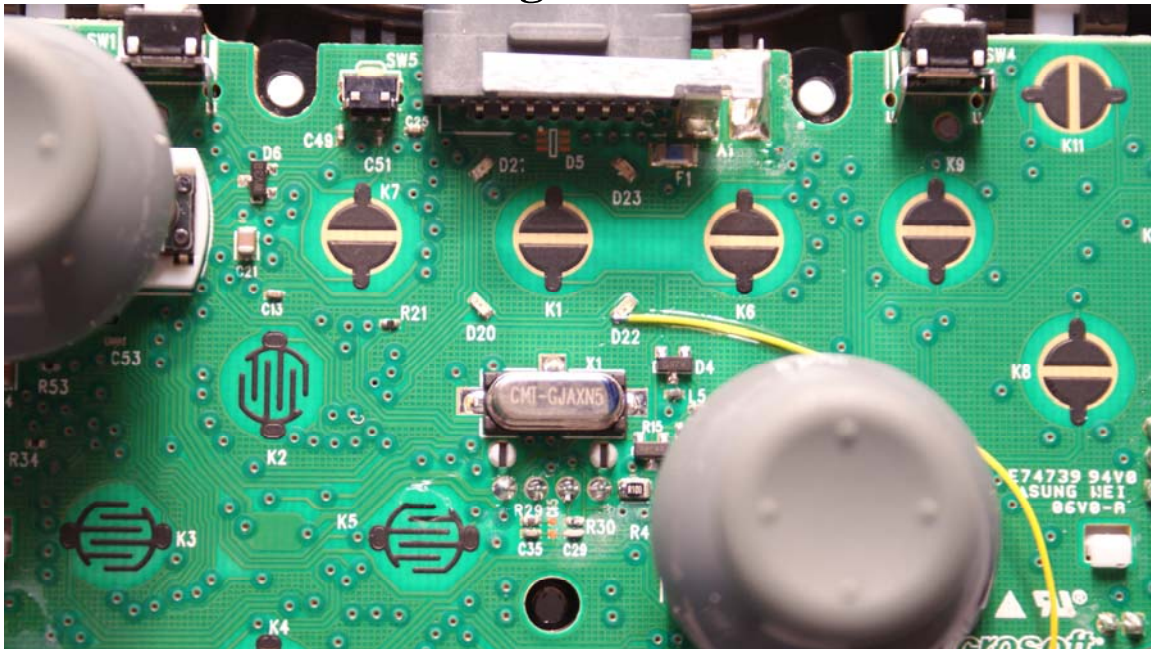


Figure 11



Figure 12

