



JasensCustoms.com - Panzer 5 MX Assembly Guide

Panzer Fight Stick 5 MX Assembly Guide

What is needed for a full build from Jasen's Customs:

- Chassis
 - Chassis
 - Bottom Panel
 - Assembly Hardware
 - 4x Feet
 - 2x Rubber Pads with pressure sensitive adhesive
 - Main EZ Wiring PCB, Fight Board connection wires, and interconnect Ribbon Cable for MX Panels
- MX Top Panel
 - Panel
 - Panel specific wiring required for the Panzer 5 - specifically, the harnesses for the front panel buttons and both JP and KR levers (if applicable)
 - Assembly hardware
- Plexi Overlay

What you need to provide:

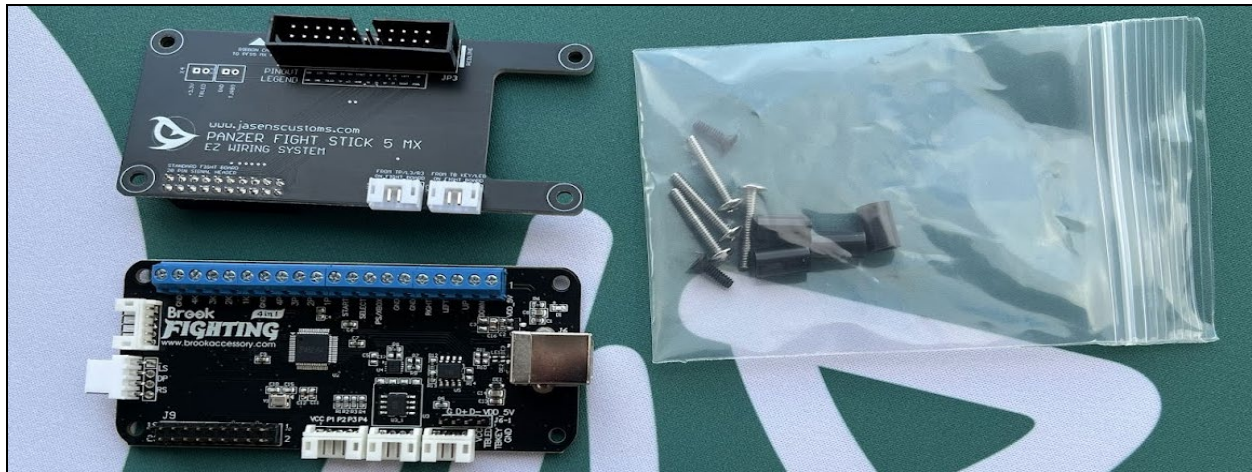
- USB Passthrough
- Internal USB Cable
- External USB Cable
- Fighting Board
- 6x 24mm screw in buttons
- Lever of choice: Korean and Japanese Levers fit!
- 11x MX or HE switches of your choice.
- 3x 24mm caps
- 8x 30mm caps

Ready? Set. Go!

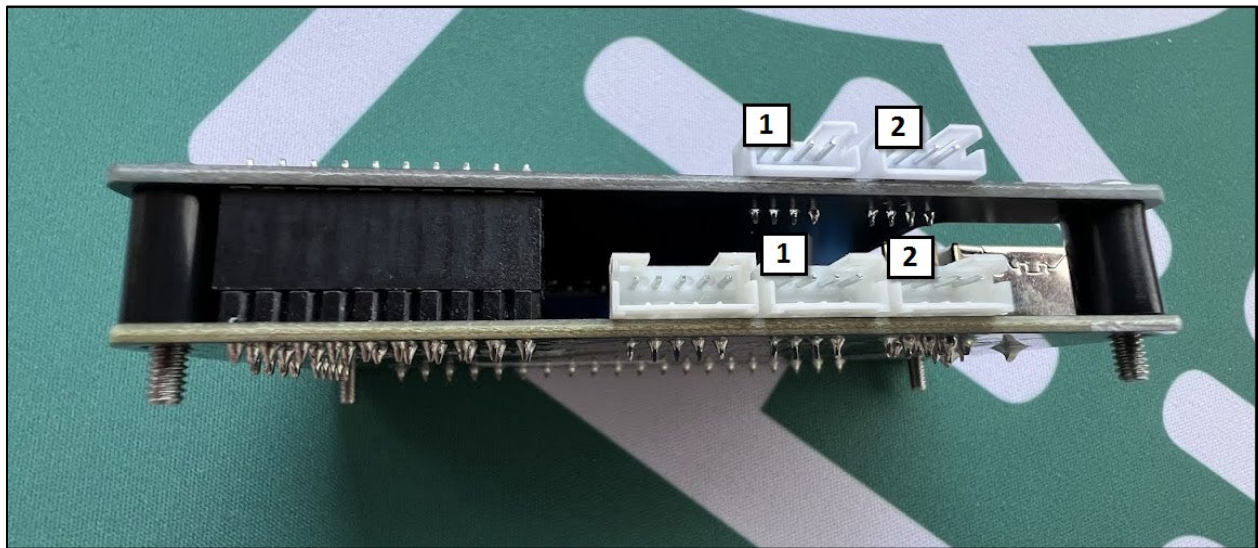


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EZ Wiring PCB, Fighting Board, and Hardware



1. Connect the EZ Wiring PCB to the 20-pin connector on top of the Fighting board. Use firm even pressure. Do not bend the pins.
2. Place a black spacer between the board at all 4 corners with a screw through the EZ Wiring PCB > Spacer > Fighting board

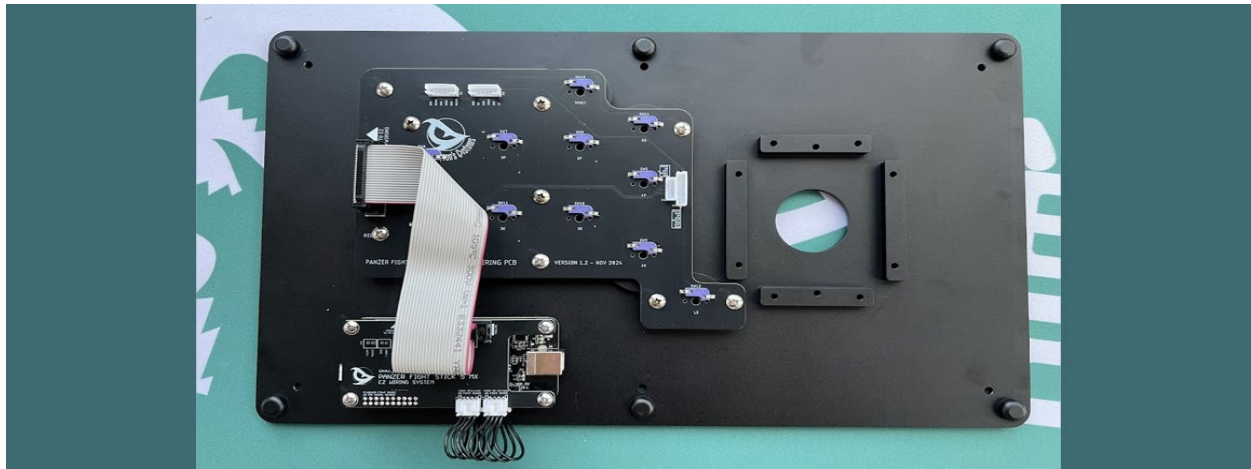


3. Attach the two short, black, 4-pin wiring harnesses between the connectors on the EZ Wiring PCB and Fighting board. Connector 1 on EZ PCB to Connector 1 on Fighting board, 2 to 2.



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4. Screw the whole PCB sandwich to the Panzer 5 top panel, there are 4 posts. They are #4-40 threaded.
5. Screw the Wiring PCB to the top panel with the 9 (or 11 depending on your MX/HE setup) #6-32 truss head screws. **DO NOT OVER TIGHTEN or you could crack the fiberglass in the PCB or damage it in other ways voiding warranty help.**
6. Connect the 24-Pin Ribbon cable from the Wiring PCB to the EZ Wiring PCB. The black connector on each end of the ribbon cable has a tab in the middle of one side that will line up with the notch on each wiring PCB.



7. Place the top panel onto the chassis. It can go on either side as the chassis is symmetrical.
8. Remove the protective film from the plexi and place the plexi onto the top panel.





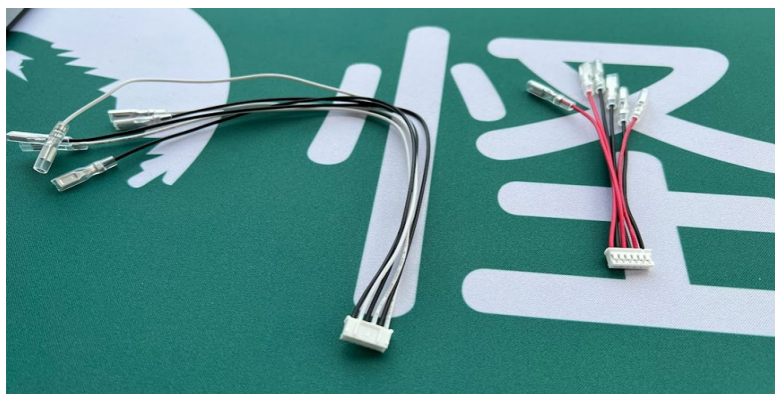
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9. Screw it together with the six included M4 button head hex screws. These use a 2.5mm allen key.

Do NOT over tighten these, you can crack the plexi. You can see the reflected light around the head of the screw start to distort if you tighten too much.



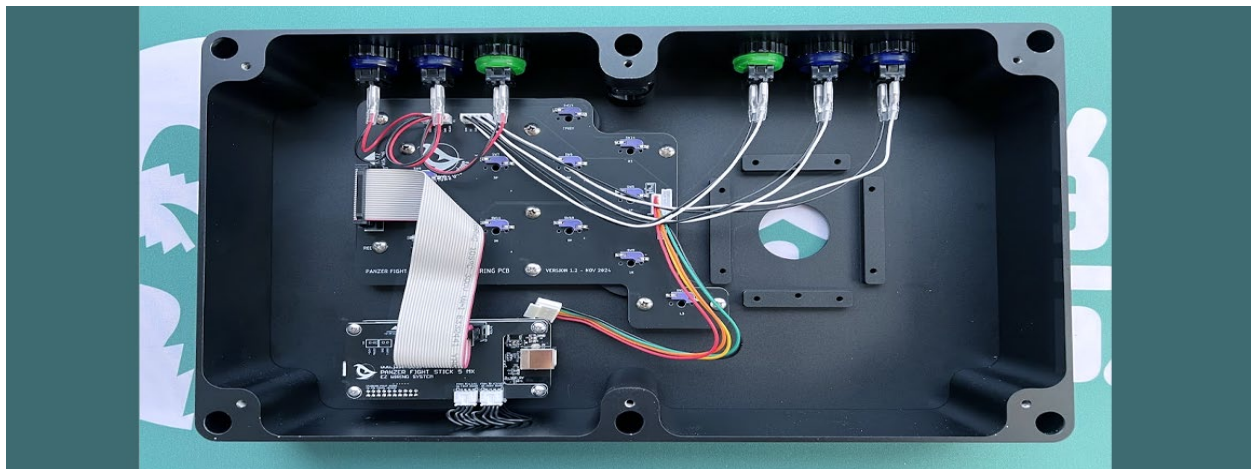
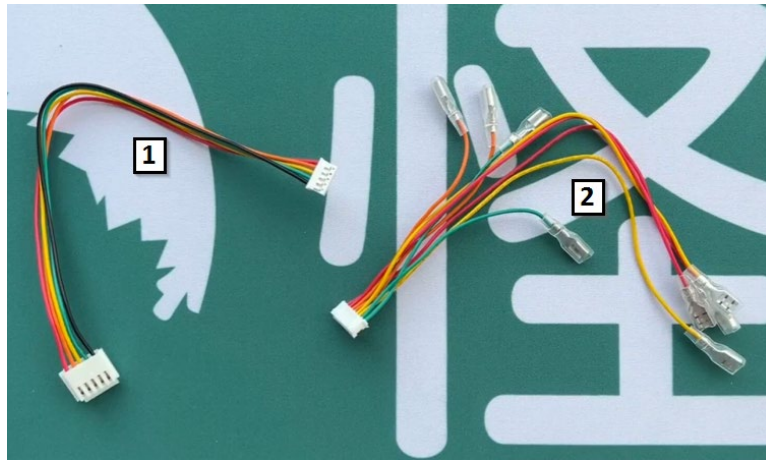
10. Connect the 6x 24mm screw in buttons to the chassis
11. Attach the 2x 6 pin wiring harness with quick disconnects on the end to the Wiring PCB. The short red & black one to the X1 connector on the left and the longer black & white one to X2 on the right. Push the quick disconnects all the way onto the connectors on the buttons.



12. Connect the lever wiring harness to the appropriate connector if using a standard Japanese 5-pin harness (1) connect to X4 connector on the Wiring board. Levers with separate connectors on each direction (2) will use the 8 pin X3 connector.



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13. Connect the USB passthrough to the chassis using the 2x included small black #4-40. Optional aluminum surround shown.

DO NOT USE THE SCREWS THAT COME WITH YOUR USB pass through CONNECTOR! Use the #4-40 screws included with your Panzer ONLY!

If you use the screws that came with your passthrough connector you will likely break off the screw inside the Panzer 5 chassis. These are included only due to the number of use cases the passthrough can serve.



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You can put the aluminum surround behind or in front of the usb pass through connector. Give it the look you prefer. Note, this will prevent the connector from fully recessing into the case. Do not over tighten these screws otherwise you could bend the surround.

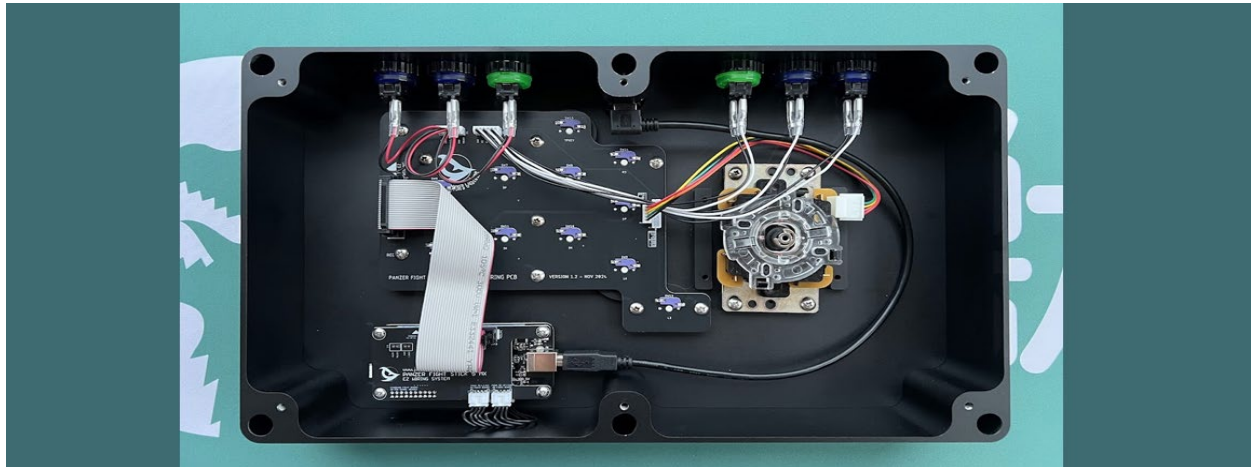
14. Connect one end of the short USB cable you provide to your pass-through connector and the other end to the fighting board.
15. Use the included Phillips head #6-32 screws, washers, and lock washers to attach your lever to the top panel. Use the shorter screws for Japanese levers and the longer for Korean levers with a thicker body. **Failure to use the lock washers could result in the screws loosening over time and the lever falling out.**





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NOTE: On a Sanwa JLF/JLX the connector should face away from the wiring boards. If you are using a dust washer between the top panel and your lever please make sure to put it in now. Before attaching the bottom, install your shaft cover, top dustwasher, and balltop. Remember, you can use the flat head screw driver slot on the bottom of the JLF shaft to prevent it from spinning while attaching the balltop or battop.



16. Remove the paper from the bottom of the rubber pads and attach them to the bottom panel. You might want to peel back just enough to get it lined up and then peel back the rest as you press down. The adhesive is strong so be careful and go slow. Press down on the pad for 30-60 seconds. **This adhesive is pressure sensitive, so attach it, flip the panel pad side down, and apply pressure to the entire panel evenly allowing the tabletop to help you.**

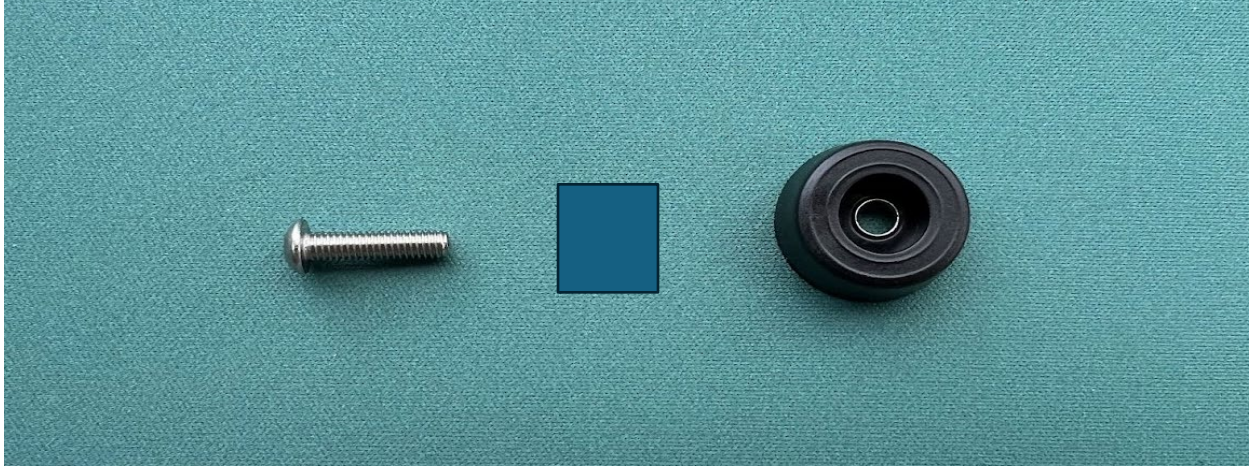




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17. Place the bottom panel onto the chassis.

18. Take the 4 rubber feet and hex button-head M4 screws, put the screw through the rubber foot and screw it into the chassis.



19. Screw one foot into each corner of the bottom panel.

20. Screw the other 2 hex flat-head, countersink M4 screws into the middle holes on the bottom panel.



21. Flip over your nearly complete Panzer 5. Press in each button switch carefully. Make sure the pins on the bottom are straight before pressing down firmly.

22. Attach each of the button caps to the top of the switches.

Go play some games!



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Special thanks to the entire #PanzerBrigade who have built and used a Panzer 5. Huge shout out to SolderSoldier for writing this guide and documenting his build.