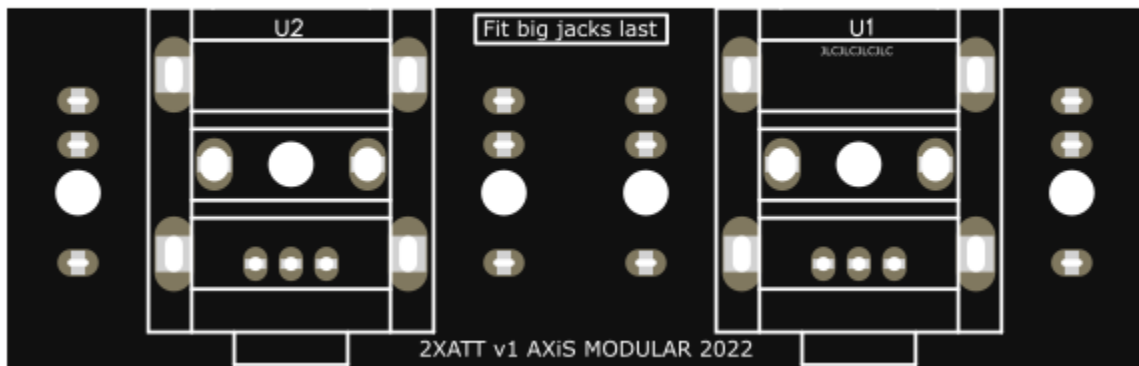
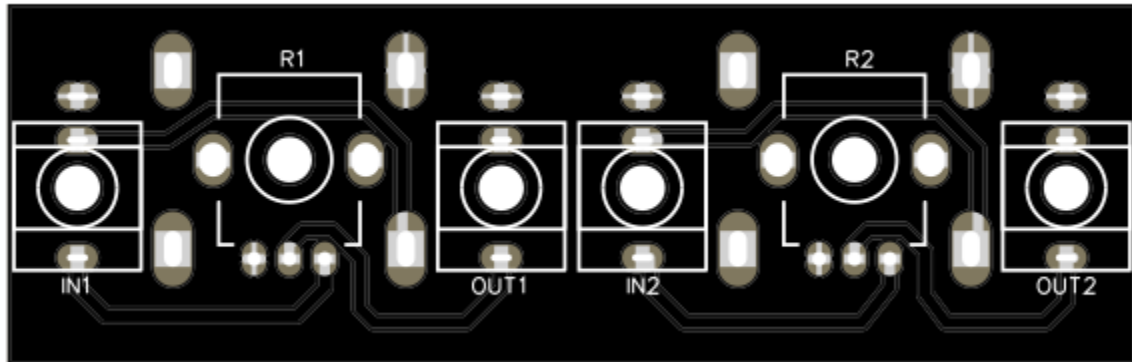


AXiS MODULAR 2XATT

Manual and Build Guide

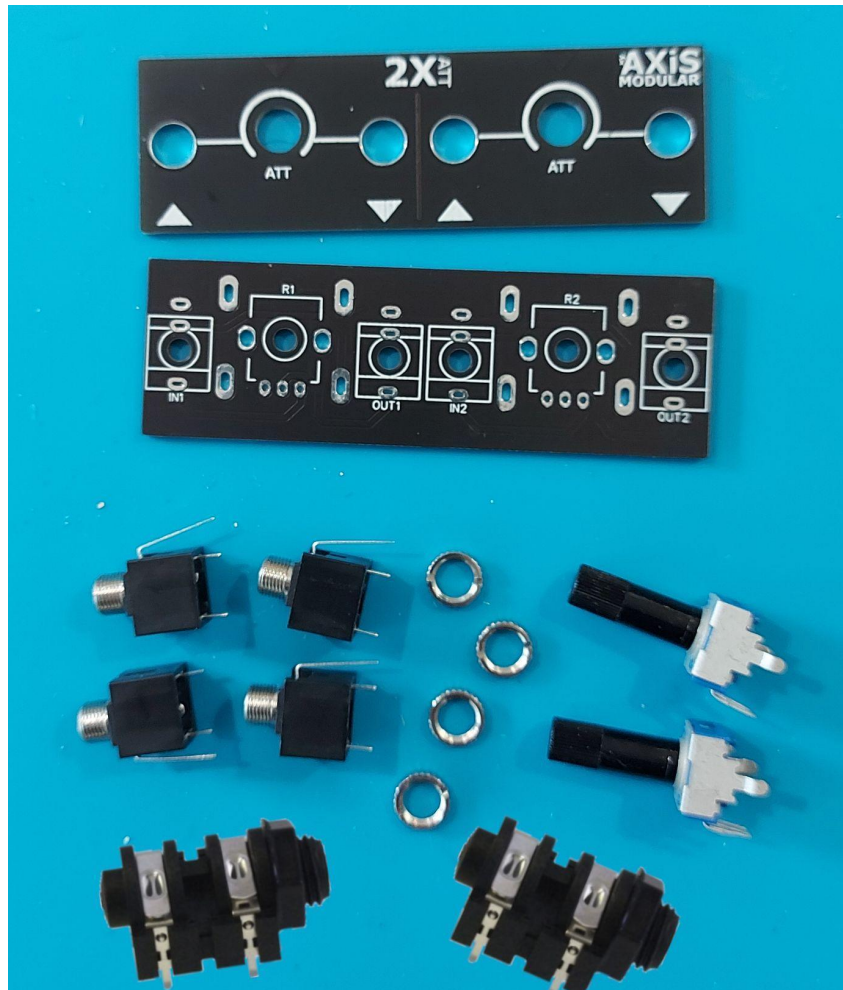


Hello fellow DIYer!

Thank you for purchasing the 2XATT DIY kit. This module is part of my 2X range of DIY Eurorack modules and once built, allows you to attenuate two separate audio input/output levels in a relatively small OHP package. It has an added feature of a 6.3mm jack socket so that you can convert ¼ inch jacks to 3.5mm mono. Signals can travel both ways too allowing you to take a Eurorack level signal and attenuate it down to your external gear. This is an ideal beginner DIY soldering project for you and it has been designed carefully so that it should be easy to build first time. It is recommended that you have some soldering experience however, if this is your first time soldering please check out this useful guide [here](#).

By undertaking the construction and soldering yourself you agree that it is your responsibility to complete the final build safely and confidently. This kit is sold exclusively through Thonk and you can find full terms and conditions [here](#).

Bill Of Materials



PART (In build order)	DESIGNATOR	QTY	CHECK
Thonkiconn Mono 3.5mm Audio Jacks	IN1, IN2 OUT1, OUT2	4	
B100K - Song Huei TALL Trimmer Potentiometer	R1, R2	2	
¼ inch Mono Jacks	U1, U2	2	

BUILD PROCESS

Please read and follow this guide carefully. To make everything fit on one PCB, components go on both sides of the board and it will make the build difficult if an error is made.

Important note: Fit the big 1/4 inch mono sockets last.

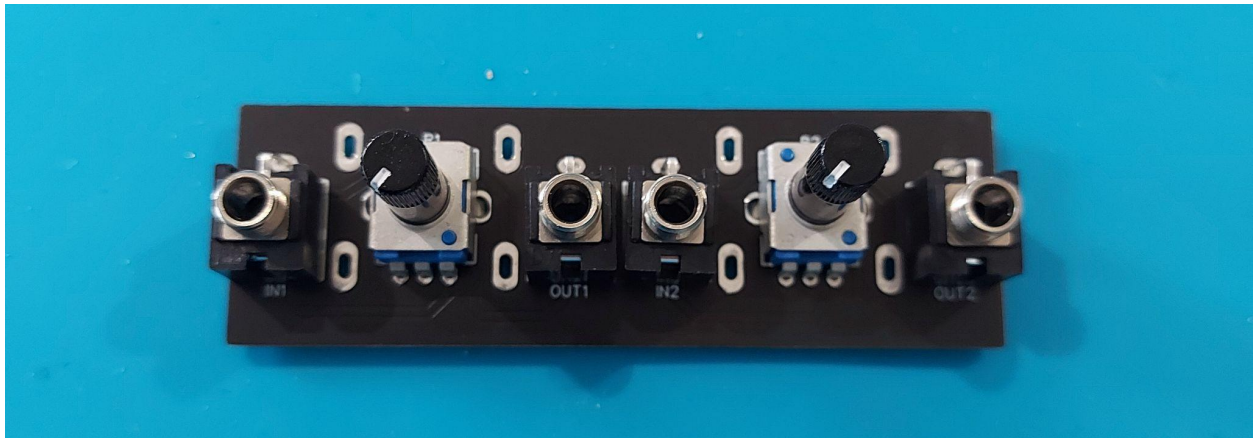
Firstly place the 3.5mm mono sockets onto the PCB as shown.



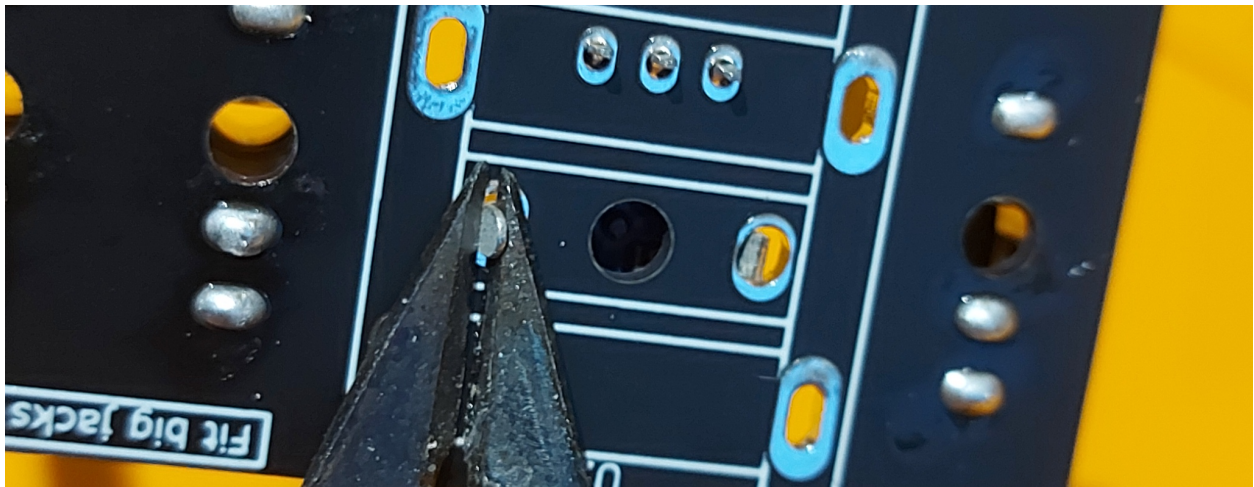
Now place the panel, fix the nuts onto the panel and flip over the whole assembly keeping everything in place and solder one leg of each socket. I normally solder the exposed ground leg first, this allows you to easily reflow the solder and move the part if you need to adjust the position slightly.



Next, remove the panel and place the two 100k potentiometers onto the PCB as shown and re-attach the panel as before.



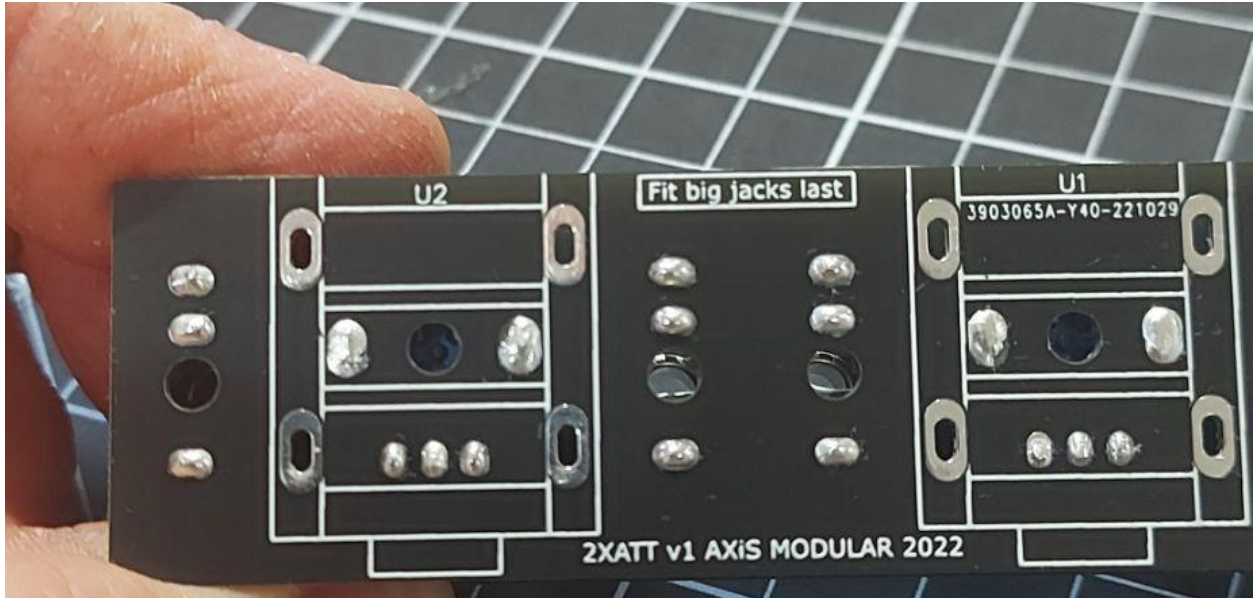
Now before you solder flip the board over and cut 2 side legs on each of the potentiometers as flush as you can to the solder pads using your side cutters.



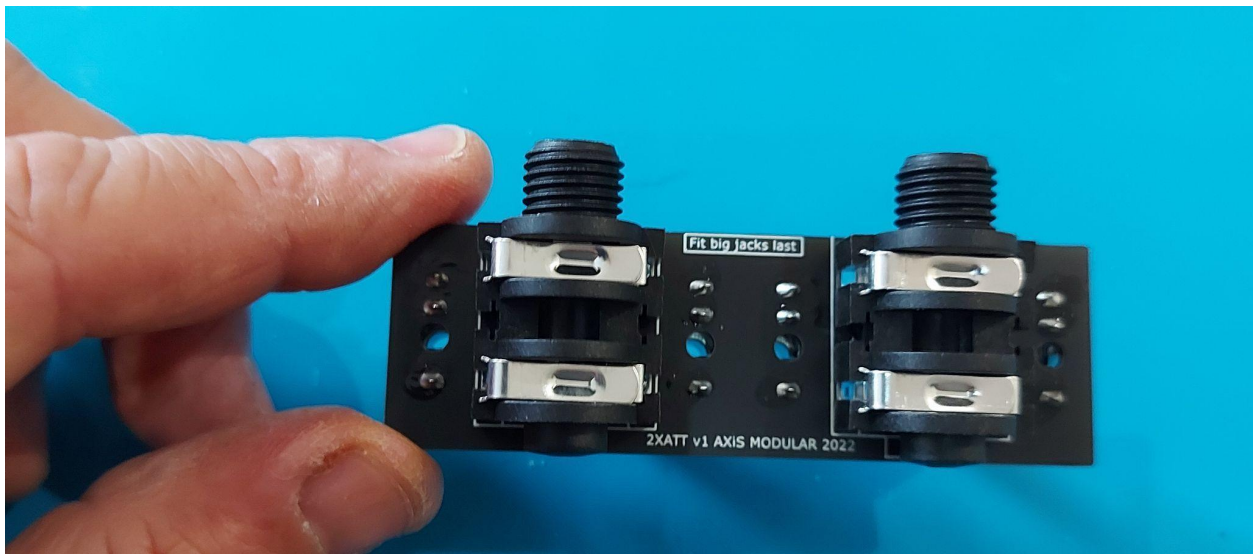
Now solder one of the three pins on each potentiometer, check its still ok and then once happy then solder the rest.

Trim each of the three pins as close to the board as you can and reflow solder if necessary.

Lastly, solder the two potentiometer legs once you are 100% happy with their position(this helps the longevity of the component and keeps it stable).

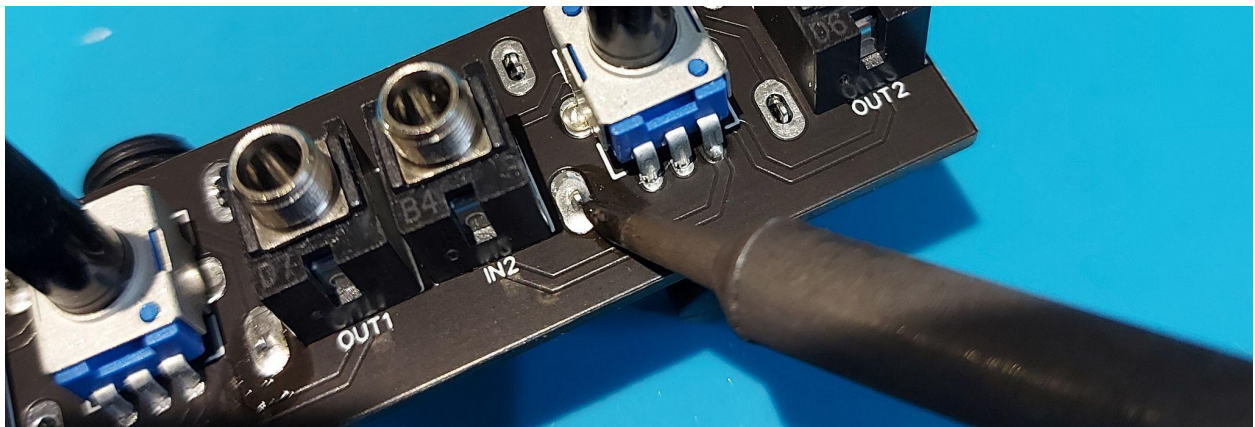
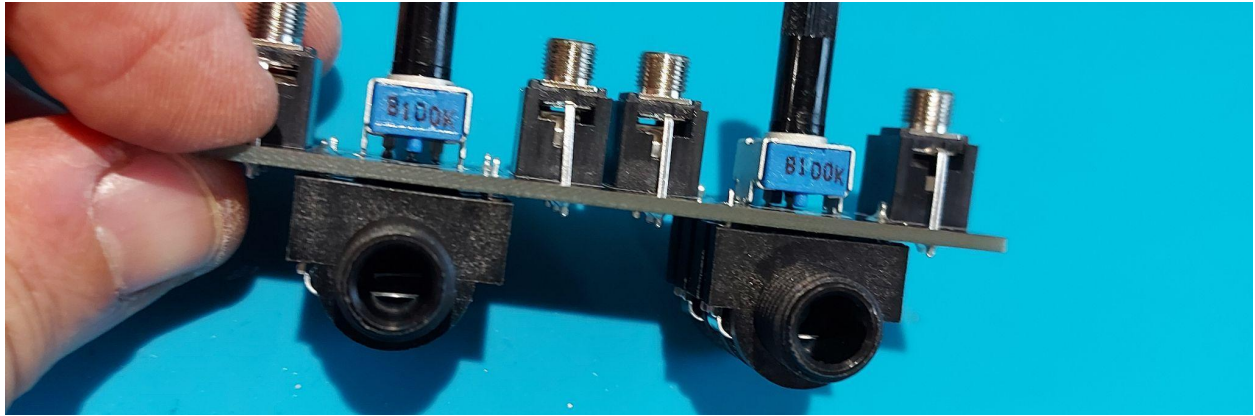


Now remove the panel as before and place the ¼ inch mono jack sockets as shown below. Matching it up with the silkscreen image.



Flip the board over and carefully solder one leg of the big mono sockets.

Make Sure each of the sockets sit almost flush against the board as shown before soldering all pins.

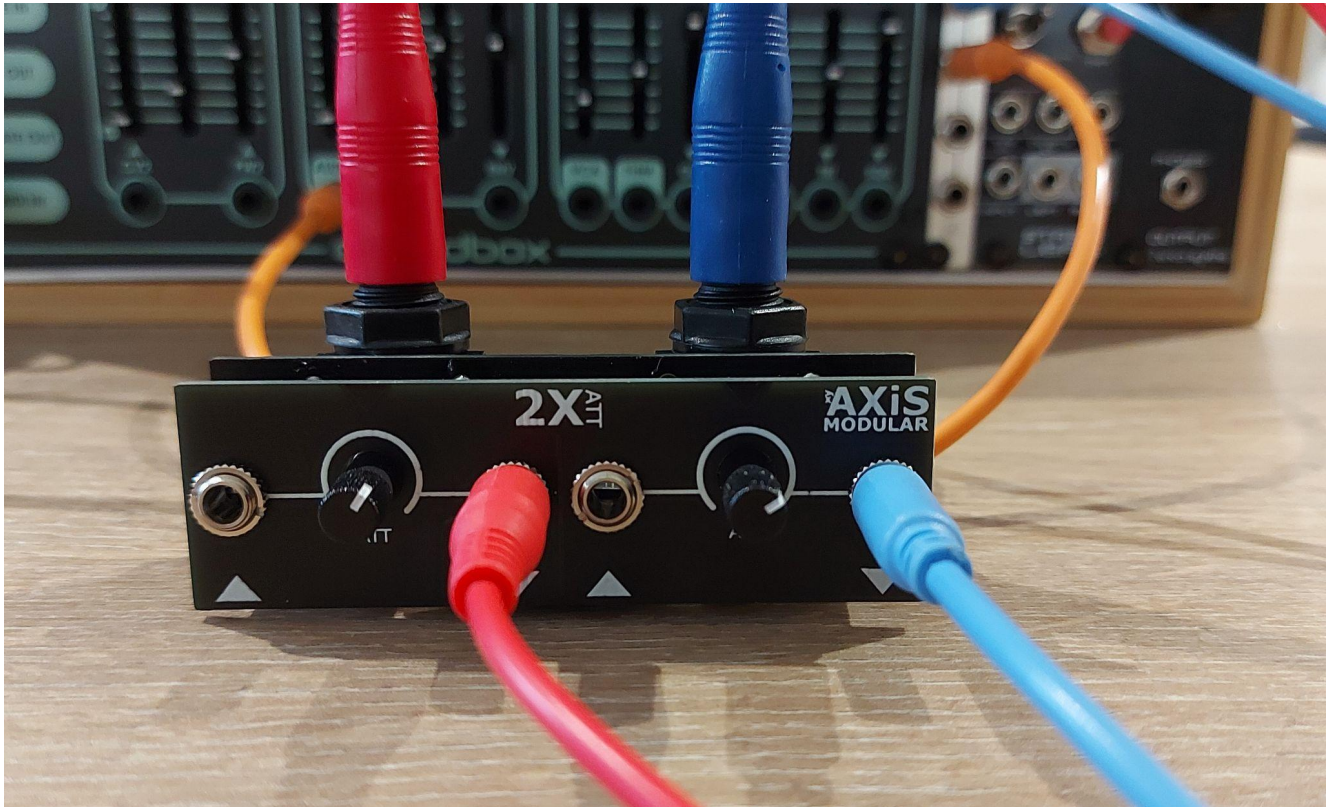


Now solder the rest of the socket pins in place. Trim and reflow solder if desired.

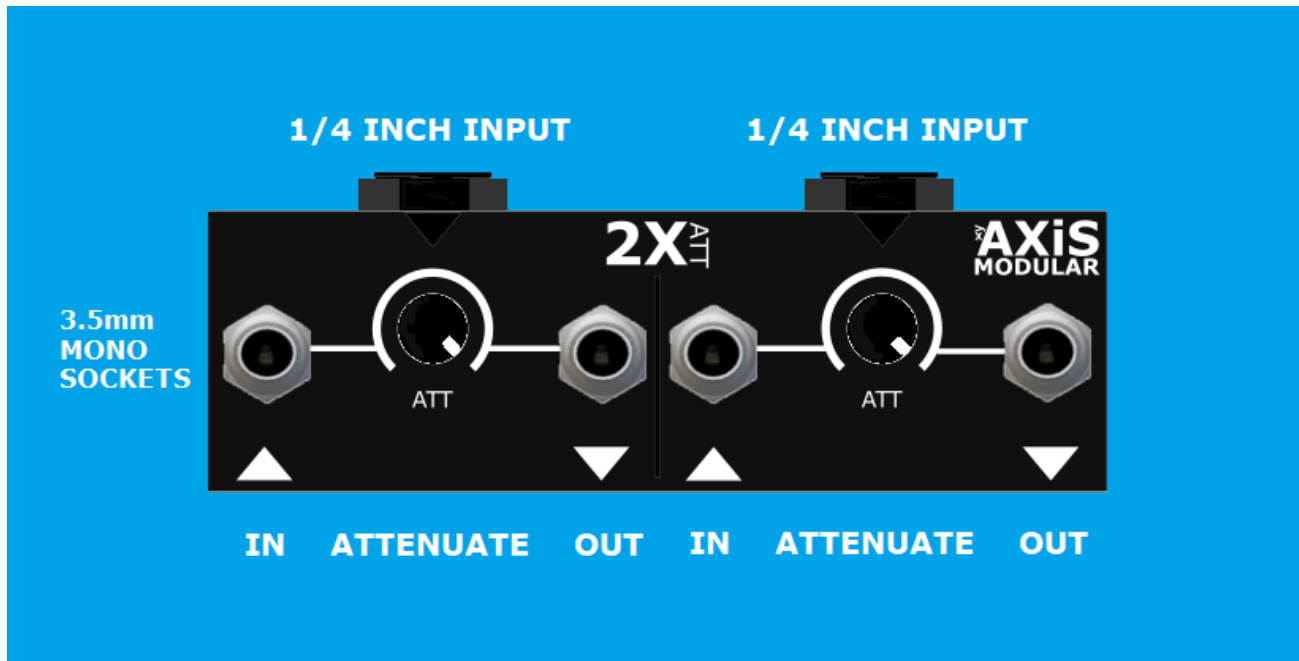
Replace the panel and replace/tighten all the nuts and you should now have a very useful external OHP utility for your Eurorack or external gear.



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OPERATION GUIDE



Use is quite simple, plug a 3.5mm cable into the input jack and a 3.5mm to the output and you can attenuate/change the level of signal via the potentiometer on each of the sections.

Instead of using the 3.5mm input socket you can use a guitar/synthesizer 1/4 inch cable to adapt to the 3.5mm size of Eurorack cables at the output.

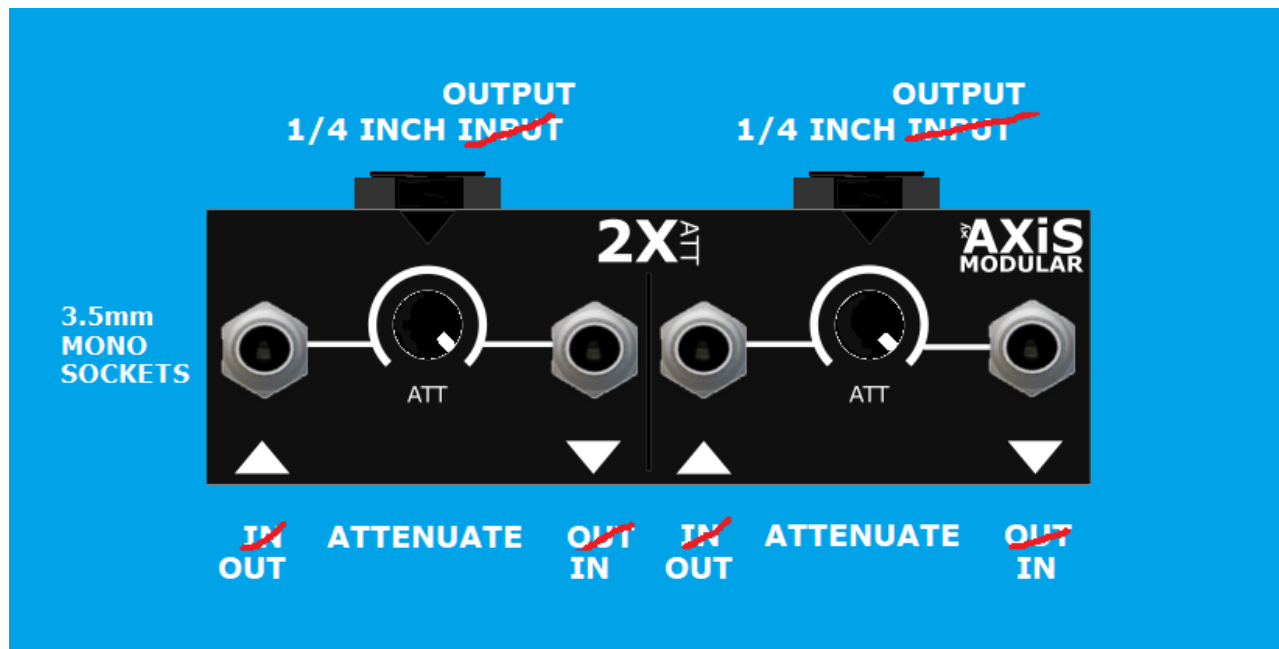
Note: If you have any 3.5mm cables plugged into the input sockets whilst you have a 1/4 inch cable plugged in you will only get the signal passing through from the 3.5mm input cable.

'But, does it work the other way round??' I hear you ask.

Quite simply yes!

Take your output from your Eurorack system, plug it into one of the Outputs on the 2XATT and then take (what will be the output) from either the 3.5mm or the 1/4 inch sockets and you can attenuate your signals from Eurorack to your outboard gear!!

Note: Remember you cannot output from the 1/4 inch output if something is plugged into the 3.5mm output.



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Size 0 HP

Current draw:

Passive so no power drawn.