

DSi XL Bluetooth Audio

There's only two things that show on the outside: a switch (to switch between speakers and Bluetooth/headphones, and a button, which powers on and pairs for the Bluetooth transmitter I got. I did do a decent amount of cuts to the inside of the shell.

In order to get the switch working, I had to cut a trace on the motherboard (right next to pin 5 of the audio jack) and then I soldered a switch between ground (pin 1 audio jack) and the nearest contact of where pin 5 went. My soldering job wasn't the best, but it's all taped down so it shouldn't come out since there's no load on it.

The button was pretty simple to get working, I just removed the existing one and soldered my own button.

Be aware to make sure the WiFi module stays in, as mine didn't turn on a few times because it popped out (the wires I used were a bit thick for the audio signal, so they apply a bit of pressure sometimes).

I tried out 2 different Bluetooth transmitters, they both are basically the same with one being more than double the price of the other (I think the board they use for transmitting is the same, they look identical to me). This is the cheaper one which is what I used. I also got a taotronics one which was like \$20 USD and it had the same performance with a different shell, so I opted to use the chaper one.

SoundBotSB336 TX/RX Bluetooth Transmitter/Receiver 2-in-1 Wireless 3.5mm Stereo Adapter Dongle Car Kit to Stream HD Music from/to Any Bluetooth
Buy SoundBotSB336 TX/RX Bluetooth Transmitter/Receiver 2-in-1 Wireless 3.5mm Stereo Adapter Dongle Car Kit to Stream HD Music from/to Any Bluetooth Enabled Device
Transmitters - Amazon.com ✓ FREE DELIVERY possible on eligible purchases

a https://www.amazon.com/dp/B074JVR3TP?ref=ppx_pop_mob_ap_share

They have around .1ish seconds of lag, which is noticeable, but I got used to it. It's possible the lag is because my headphones don't support the latest bluetooth technology.

I also attempted to boost the volume by soldering past resistors that are connected to the audio jack, but I don't have another DSi XL to compare to. The resistors I soldered past were R88 and R89, as they're connected to the left and right contacts of the audio jack.

I'd be happy to answer more questions if anyone else wants to try this, as it was a pretty cool mod. Overall, I'm very happy with it, because I didn't buy anything except the Bluetooth module. I would have used a different switch and button, but I had these so I used them.

I would highly recommend a multimeter to test your connections, it made my life a lot easier. For the audio jack pinout check the comments.











