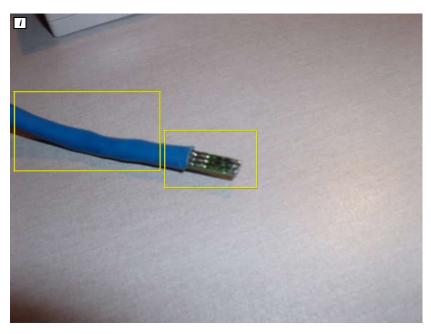


11/7/11 9:20 AM NES Controller iPod Remote

## **Step 1 Parts**



Microcontroller- dsPIC30F2011 These can be sampled from Microchip's sample site

Programmer- the drawback to using a dsPIC is the complicated programming procedure. The easiest way to program it is to use a Microchip ICD2, however these run fairly expensive. I have not tried this, but apparently the utilities found at http://homerreid.ath.cx/misc/dspicprg/ can be used with a homemade JDM Programmer.

IC sockets- I used 2 8-pin DIP sockets(a single 18 pin or 16 pin would have also worked). These are necessary for removing and replacing the IC for programming and debugging.

**NES Controller** 

Dremel with a cutting bit

Sharp knife

Soldering iron and small gauge electrical solder

**Desoldering pump** 

Flush cutters, or wire cutters

Needlenose pliers

Standard Ethernet (CAT-5) cabling

A good amount of small gauge wire- I used the innards of extra CAT-5 cable.

3G or 4G iPod.

A plug for the remote jack on the iPod. This is the most difficult to acquire. Several suggestions are made at iPod Linux's site.

I used a small piece of a shattered old memory module that perfectly fit the remote plug, but any of the other solutions also work.

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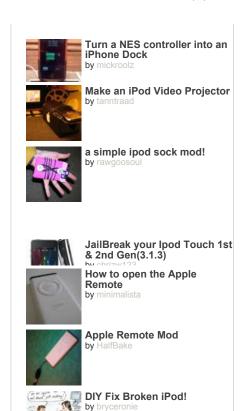
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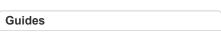
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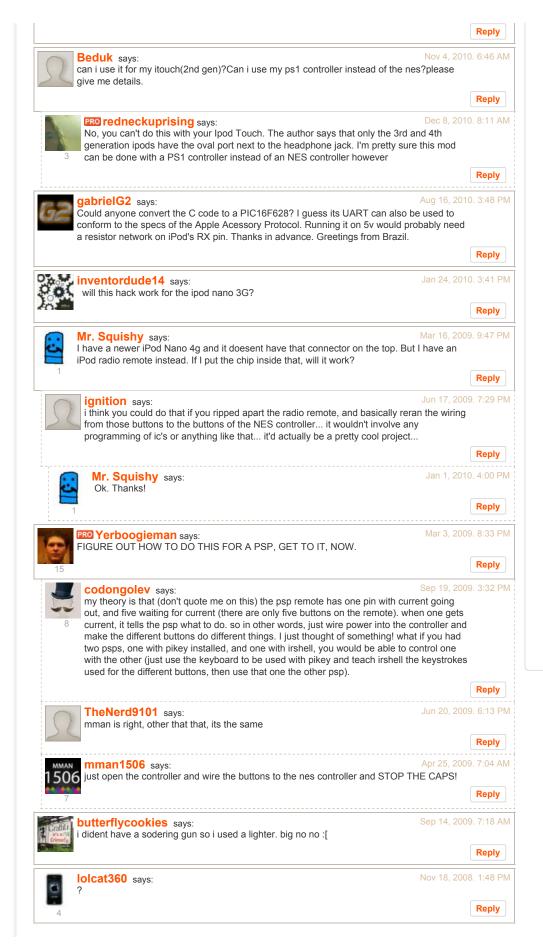
where does everybody get thoes little game pads i c them everyehere iinstructabless where can i get oone





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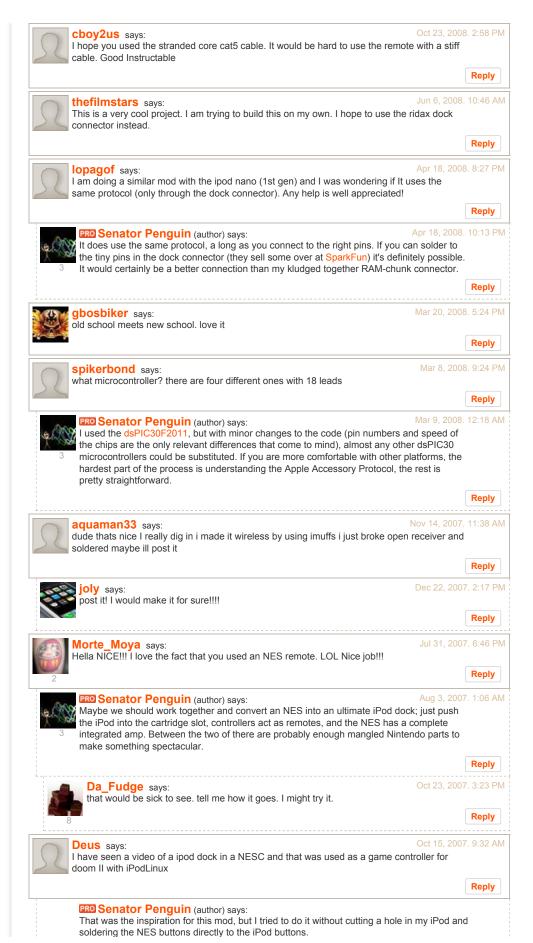




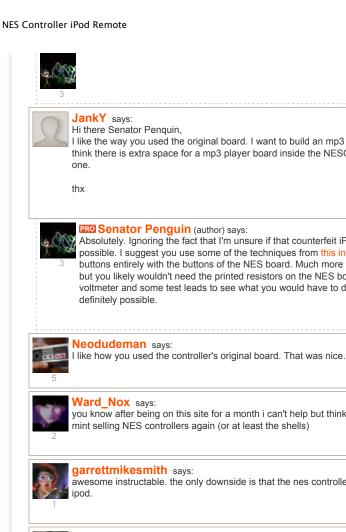
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11/7/11 9:20 AM



Oct 15, 2007. 5:06 PM

I like the way you used the original board. I want to build an mp3 player in a NESC. Do you think there is extra space for a mp3 player board inside the NESC? this one It's a real small

Reply

Senator Penguin (author) says:

Absolutely. Ignoring the fact that I'm unsure if that counterfeit iPod even works, it is very possible. I suggest you use some of the techniques from this instructable, but replacing the buttons entirely with the buttons of the NES board. Much more would have to be cut away, but you likely wouldn't need the printed resistors on the NES board. Play around with a voltmeter and some test leads to see what you would have to do electronically. It is

Reply

Reply

Aug 29, 2007. 10:06 AM

you know after being on this site for a month i can't help but think Nintendo could make a mint selling NES controllers again (or at least the shells)

Reply

awesome instructable. the only downside is that the nes controller is about as big as the

Reply



Very nice. I like the fact that you programmed your own uC instead of reusing an old apple remote. However, maybe you could add a proper schematic? A+ :)

Reply



Senator Penguin (author) says:

Got it, added a new schematic step. I was unsure if it would be beneficial, considering a good deal of the wiring is pre-printed and only one component needed to added, but as I drew it up, it definitely looked clearer.

Reply



xsmurf says:

I'd say it helps getting the big bigger. It's much easier to read a (nice :) Eagle schematic than it is to read a proto with traces and wires going everywhere. On another note, I might try something similar. I may go the lazy way as I already have a remote with a dead plug. But really, I'd rather have a good plug with a dead remote, much more fun and nicer finished product. Now that I think of it, it's nothing a piece of old pcb, the proper 3 prongs (+neg) jack and a lot of hot glue can't deal with!

Reply



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