

## ***Installing Nexus 7 Tablet into 2002 up Ford Vehicles***

This is a very simple install, but does require a bit of time to make sure you have everything right before your install. I found out the hard way, that the best laid plans still take work. What should have been a simple week to two weeks to do, but with the holidays already in swing, the mail has slowed down considerably. Since I have everything I need now, let me do a quick PFD file for people to download and have handy.

Let's start with what you will need for the installation:

***Nexus 7*** tablet or one that you want to use. Remember it must have GPS and Bluetooth as well as WiFi to be usable tablet. I started with KitKat 4.2, but have since updated to 4.4.4, which gives me the OTG cable usage. This was a must. I could of rooted the Nexus, but then it would have been too complicated to show in a quick write up.

***KTP445 Alpine*** amp (your choice of models, as you will end up cutting wires and soldering them anyways, to do it right). You can use another brand or model. I chose this model after reading all the positive reviews on it.

***Vehicle adapter harness plug.*** Depending on your application. If doing Ford, then ***Metra 71-5520*** is the one I used.

***Audio Gain Controller.*** You will need something to turn you volume to where you want it in the beginning. If you don't use a gain/volume control, you won't have the volume settings you need to get your full volume from the tablet.

***Behringer LCA 202*** audio controller.

***Joycon EXR*** SW Controller.

***4 Port expansion Hub.*** This is needed to add slots for any add on pieces you decide. I use it for holding a ***64GB flash drive***. I will also be using 1 port for the expansion of having a ***wireless keyboard and mouse*** in one.

***12 volt to 5 volt step down voltage reducer.*** This is used to power the ***Tablet*** and the ***LCA202*** units.

Lots of ***RCA connector ends***. I found that I needed 4 male to male ***RCA's*** to hook up the gain control to the ***LCA202***. You will need a earphone splitter cable to get to the ***LCA202*** and 2 into 1 ***RCA plugs*** to adapt to this. Looking at the pictures will show how this is done. I did my best to keep the wiring bundles to a minimum. I was glad I had a few extra RCA ends laying around, and they were needed.

If you want to add a rear view camera, then it is a simple add on. You will need a ***Capture device***. They can be had on eBay for usually round \$8 most places. Now either a wireless rear camera or a hard wired will work. You will end up using one of the USB ports to power the capture module. It

fairly easy to add. Remember, afterwards, if you add anything, you can then program your *Joycon* to fit your needs. Pretty easy to program, once you have it the way it is needed to be set up.



Above, General layout w/o Joycon. It hooks to the Ford J1 plug's two wires sticking out in the picture.









