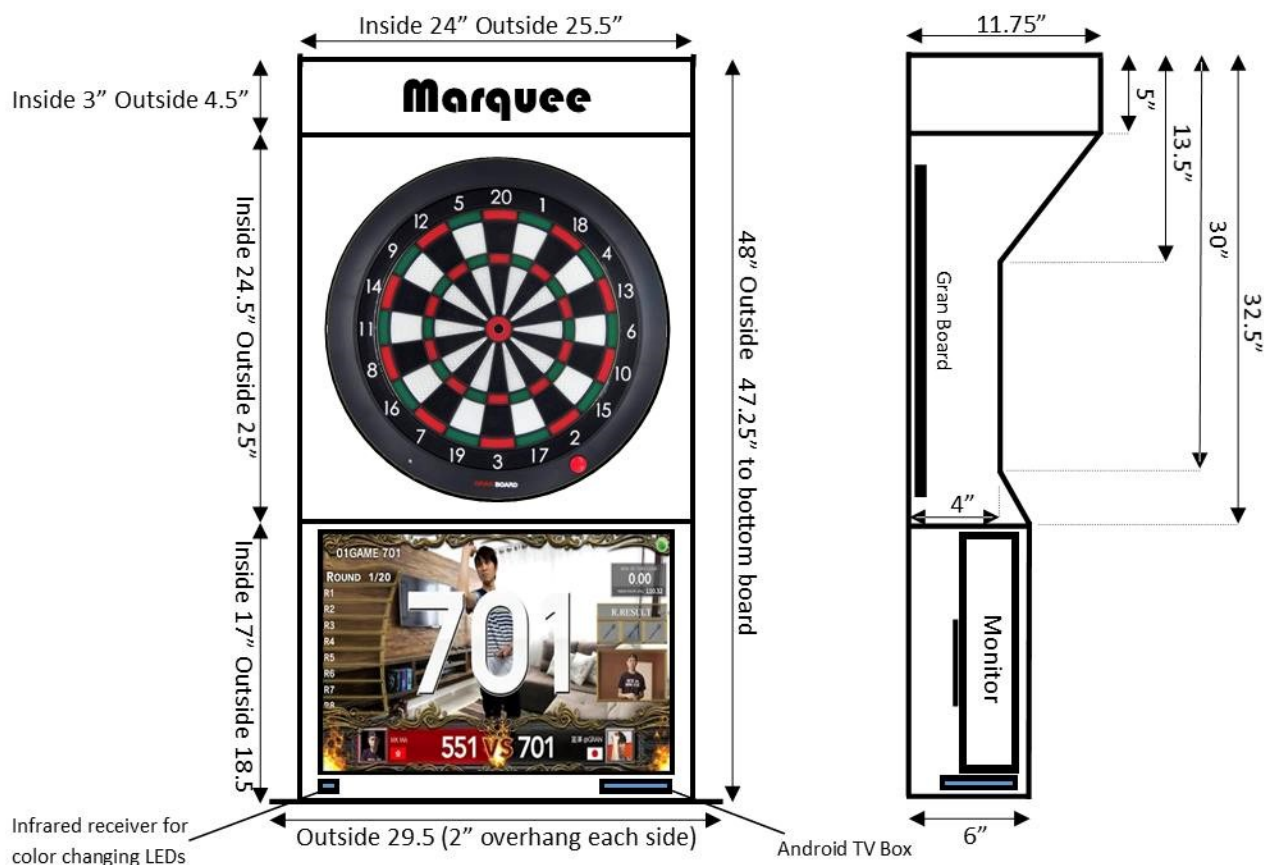


Copycat wall mount cabinet plans for use with Gran Board



Measurements are rough. Do not assume everything here is perfect. My math may be off (it probably is). Your components may be a different size. Consider this as a good starting point to give you an idea where to go.

Inside and outside measurements. I was trying to figure the measurements adding the .75 thickness of the melamine. There is probably a better way I could have done this, but it is what it is.

With three holes on each side, the overhang on the bottom gives a nice place to store a couple pairs of darts.

Dimensions were considered by starting with a 24"by 48"by .75" white melamine board from Home Depot. Everything else I reverse engineered by watching videos and images from Land of Oz darts. My intention was not to hurt Land of Oz's business, but 2 grand was way more than I was willing to pay for something I could build myself for far cheaper. Is 2 grand a decent price for one of these? I think so. I put a lot of labor into mine and probably wouldn't consider less than that myself if I built these for other people. For karma's sake, please at least consider buying your Gran Board or some darts From Land of OZ arcades. <https://landofozarcades.com/wizard-dartboards/>

If using melamine, beware of chip-out. There are videos on youtube that demonstrate how to cut melamine without chip-out.

I used a Kreg pocket-hole jig to hide all the fasteners. Beware that your jig is not set too deep, maybe even back it off a millimeter or so. Do a few tests first. This will prevent the tip of the screws from creating a lump on the pretty side of the melamine. If you do get a lump, you may be able to back the screw off a bit and gently tap the lump with a hammer. Use a very fine piece of sandpaper to work it back down. Do not sand too much or your piece will be ruined. The white layer is super thin. Don't ask how I know all this....

If you need longer screws to mount your monitor, most hardware stores carry various lengths of M4 screws that should fit.

Your monitor should be mounted in a way for it to be close to flush with front of cabinet, leaving plenty of space behind for power strip and wall warts (ac adapters) from the various lights, monitor power, Android TV box power, etc. You'll probably want to have a bezel of some sort. You probably won't want to use plexi in front of the monitor since this will render the touch screen useless. The touchscreen I'm using is pretty durable so I wasn't worried about not having plexi in front of it. I'm also not worried about a stray dart hitting it. It is very tough but it wasn't an exactly cheap touchscreen either. I think the model I'm using is intended for high traffic heavy duty use and the screen has a protective layer. If going the tablet or phone, mirrored with a Chromecast route, then you can buy a cheap monitor and use a smoked plexiglass solution in lieu of the bezel. A 24 inch monitor will fit nice with some slop on either side.

I'm using a smart power strip. The monitor wakes up when the android box boots up. When the monitor wakes, the smart strip turns all the lights and the Gran Board on. The only thing I don't like is the Android box has to be powered on with a remote. Not a deal breaker for me but not my favorite way to power on a system. I downloaded an app on the Android Box that automatically starts the Gran Board app.

Some of the wall warts stick out the back slightly but I have my board mounted an inch or so off the wall for my color changing LEDs to create effects so it's not a problem. The back of the unit is ugly. It is pretty heavy so you'll want it mounted to studs in your wall one way or another.

Gran Boards are IOS and Android only, so I wouldn't bother trying to figure out how to use a PC.