

Setup Instructions:

As much as we would like to ship your package with everything already plugged in, there is a high risk of shipping damage, so we leave most everything in it's factory packaging. A detailed user manual comes with each item, but this is an overview of how we connect them all together for projection mapping. After you unbox the components it's time to plug it all in! Here is a list of the components you will need to connect:

Projector
Media Player
Audio Amplifier
FM Transmitter
Fan

A power strip is included. Fish the power cord through the small hole on the front near the bottom of the box. Now you can plug all the components into the strip for power.

Projector

Place the projector on the slanted shelf with the lens showing through the front window. Connect the power cord to the projector and the power strip.



Media Player

Next plug the digital media player power cord into the strip on one end and the player on the other. Leave the media player on the bottom of the box. An HDMI cable is included in the package, which is a thicker black cable with flat looking connectors on each end. Plug one end into the player and the other end into the projector. When drawing your map, unplug the HDMI cable from the player and plug it into your computer instead.

There is also a small USB thumb drive. This is what you will use to store your video files. It comes with a test video file already loaded on it. Plug it into the USB port on the player to play the file. When you get new videos you can plug the USB drive into your computer to load it with your video files, then plug it back into the USB port on your player to play them.



Audio Amplifier

The box comes with the speakers installed and speaker wires connected to them. On the back of the amplifier, push down on a speaker terminal tab. A cavity will open where you can insert the bare end of one of the speaker wires. Releasing the tab will clamp the wire in place. Repeat this for all 4 of the wires. The striped wires connect to the black terminals and the solid wires to the red. To power the amplifier, plug the included power supply into the power strip and the other end into the back of the amplifier. The package includes an audio cable splitter and two 3.5 mm audio cables. Plug the splitter into the audio out jack on the back of the projector. Plug one audio cable into one side of the splitter at one end and plug the other end into the input jack on the back of the amplifier. Leave the amp on the bottom of the box where you have easy access to the controls on the face.



FM Transmitter

The antenna needs to be screwed onto the back of the FM transmitter. Connect the power cord for the broadcaster to the power strip and the back of the unit. Leave the transmitter on the bottom of the box. Use the second audio cable to connect the open side of the audio splitter to the front left audio jack on the face of the transmitter.

You will need to decide what radio station setting you want to use for your FM broadcast. Obviously, you don't want to select one that is already taken as it will cause interference with your broadcast. I use 88.9 for mine but things may be different in your area. Once you decide, use the up and down arrow buttons to tune the transmitter to your station. In addition you will want to check the gain on the transmitter. That is the dial on the left on the face of the unit. If it is set too high, the signal will distort and cause static. Dial it down until the static disappears. Ideally you want it set as high as possible without causing distortion.



Fan

The fan comes installed in the door of the box. It will need to be plugged into the power strip as well.

Power Up

Now you are ready to power it all up! Plug the strip into a power socket and flip the on switch. The player will automatically light up as it has no on/off switch. The fan it will start on it's own as well.

Flip the power switch on the amp and press the power button on the transmitter and they will light up.

The projector comes with a remote with batteries. Load the batteries into the remote. The projector has a sensor on the rear so you can just aim the remote at the back of the projector to turn it on and control it. The player also has a remote. Some of the remotes require batteries to be installed and

some come with batteries. You will need both of these remotes. I just store mine in the box so I always have them handy.

Securing The Box

Your package includes an earth anchor kit for securing the box. This usually arrives separately as it is pretty long and won't fit in the box. Use a hammer and the drive shaft to pound one of the anchors a few feet into the ground near where you want to position your box. Pull on the cable and it should feel tight. Earth anchors like this can typically withstand more than a thousand pounds pulled against them. The box has a heavy duty screw eye to which you can fasten the end of the cable. If there is not a loop already on the end of the cable, use an included cable clamp to make one. Use one of the padlocks included in the package to secure the loop to the screw eye. You can use the other padlock on the box latch to lock it.



Keep It Steady!

Since alignment is critical to projection mapping you will need a stable platform for your box. Sidewalks and driveways work great, but they aren't always the best position for your projector. If you need to put your projector on a lawn or other unstable surface, you might consider using concrete pavers to create a platform. You can pick them up at most any home improvement store.

Ready To Go!

Once you have everything working, follow the instructions for drawing your map on our website here: <https://www.digitalpressworks.com/how-it-works/drawing-a-house-outline/>

Send us your map, a photo of your house for reference, and your choices for the 2 videos you want by emailing them to info@digitalpressworks.com

Let me know if you have questions!

Maintenance

Your equipment package should last for many years and give you thousands of hours of great displays on your house. There are a few things you can do to keep it running at it's best.

The box is coated with exterior house paint that is designed for outdoor use, but all paint eventually succumbs to the weather. It would be a good idea to apply a new coat of paint to the outside of the box every 3 or 4 years to maintain that protective coating. You can pick up black exterior semi-gloss paint at Walmart or any hardware store.

Projectors with traditional halogen bulbs need to have those bulbs replaced every so often. You will notice that the brightness of the bulb will gradually diminish over time even though the projector will still work fine. Since brightness is very important to a projection mapping display, you may want to replace the bulb even more often than recommended by the projector manufacturer. It's something to keep an eye on.