

# Connecting a GMA 245 to SV-COM-T25 and HDX

NOTE: This is extracted and adapted from forum posts I made when someone asked for a wiring diagram for a Garmin GMA 245 interconnect to SV-COM-T25 and HDX. The forum posts are at this link:

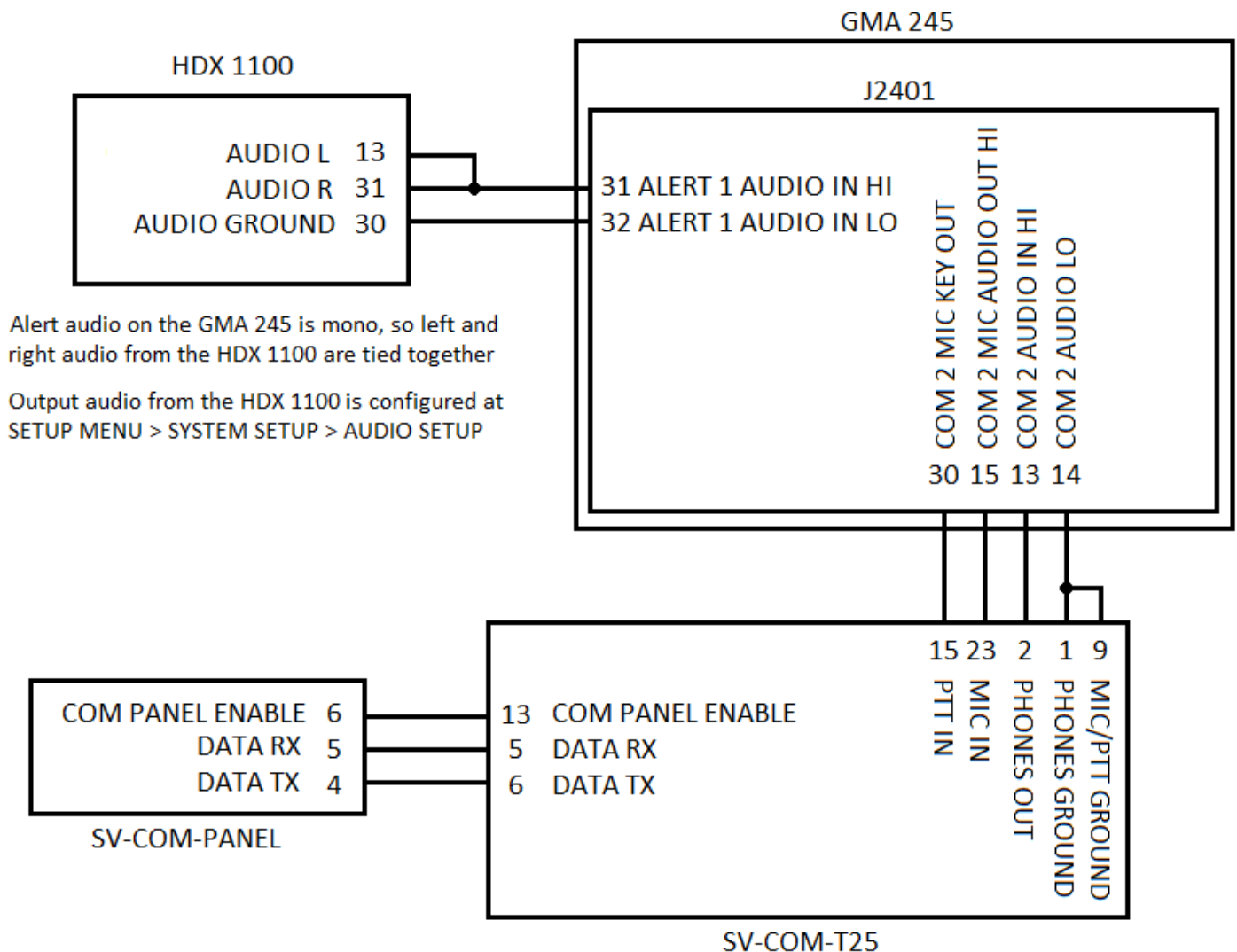
<https://forum.flydynon.com/threads/hdx-and-t25-to-gma-245-comm-panel.14569/>

I've been asked for assistance with pinouts for the following configuration:

HDX 1100

GMA 245 Comm panel

T25 configured as COM 2



The GMA 245 doesn't have a pin for mic/ptt ground from the T25, so it is tied to the phones ground on pins 1 and 9. All connections on the GMA 245 are made on the J2401 connector, which makes it a bit simpler.

You can route alert audio to one of the NAV inputs on the GMA 245 if you want the ability to mute alerts, assuming you aren't using them for NAV radios. That mutes all alerts when you have that NAV button turned off, but you will always have alerts visually displayed on the EFIS.

Alternatively, you can route alert audio to one of the music inputs on the J2402 connector. That will mute your rerouted alert audio in accordance with your audio configuration settings on the GMA 245 (section 2.9 of the install manual).

If desired, you can disable the **Alert Mute Music Option** function on the GMA 245 (it's enabled by default) to prevent the entertainment (rerouted alert) audio from being muted. However, you may as well use the standard alert audio pins if that's the case, because disabling that setting just makes your audio function the same as the alert input pins do. The only difference would be that the entertainment input gives you stereo alerts as opposed to mono. But the HDX doesn't output stereo audio on pins 13 and 31 unless you have twin engines or EMS modules.

I look at it this way. The alert audio pins and the entertainment pins give you essentially the same ability (other than stereo). You really won't see any functional difference between the two. Using a NAV input however, gives you the ability to simply push a button to turn alerts on or off. That gives the easiest inflight reconfiguration option, so that's what I'd do if I didn't have NAV radios.

I'm not really familiar with AUX audio on the 245. I imagine it functions similar to music, but I'm not sure.

The NAV 1 and NAV 2 inputs are both on the J2401 connector. To route alert audio to NAV 1, you'd use pins 17 and 18 instead of pins 31 and 32 on the diagram above. For NAV 2, you'd use pins 19 and 20. NAV is mono audio, so pins 13 and 31 on the HDX would remain tied together.

