





- Out with the Old Into the New
- Into The New or Not? Considerations
- Which Equipment
- Where to Mount All this Stuff
- Some Lessons Learned so Far

Out With the Old, Into the New









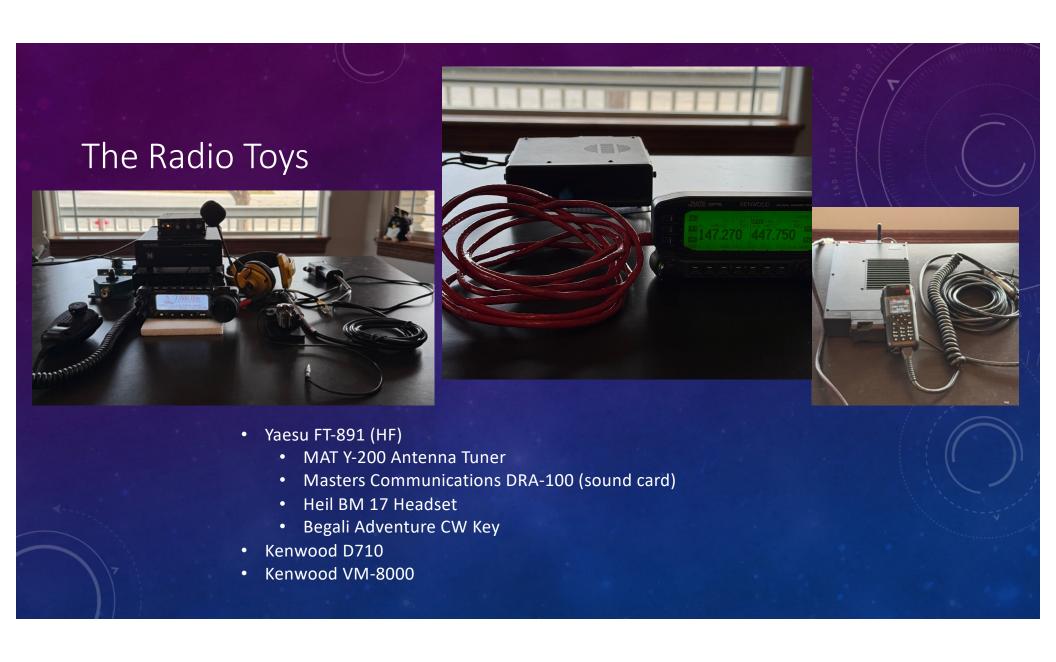
- Motorola UHF XPR 5550e
- Motorola P25 900 mHz XTL 2500
- Never got around to install HF



Into The New or Not? Considerations



- Easiest option is to just use a handheld and go about my day
- Don't mind drilling holes, it is for me to enjoy
- Prefer not to totally take dash apart
- Air bags in many new places
- Heating vents under the seats
- · Want it to look good
- Don't want to have to remember to turn radios off / on
- Don't want to worry about depleting main cranking battery
- Don't want Jeep down for days torn apart
- Wanted to do be able to break install into steps so I could see some progress



Antenna Choices









- Jeep JL Cowl Antenna Bracket (American Adventure Lab)
- Breedlove Ball Mount
- Diamond NR73BNMO ½ wave antenna
- Yaesu ATAS 100 Antenna (had one that was never used)

Radio and Toy Power ©







- Havis Charge Guard
- Genesis Offroad Gen 3 Dual Battery Kit
- Victron Orion XS 12V/50A Smart Battery charger / Power Supply

Future Networking







- Pepwave BT1 Pro LTE/5G Modem
- Starlink Mini (will try to borrow when needed ©)
- Starlink Mini Flat Roof Mount (had it power coated)
- Mikrotik RB962 Router and dual band access point
- Starlink Mini PoE DC conversion Kit (MobileMustHave.com)



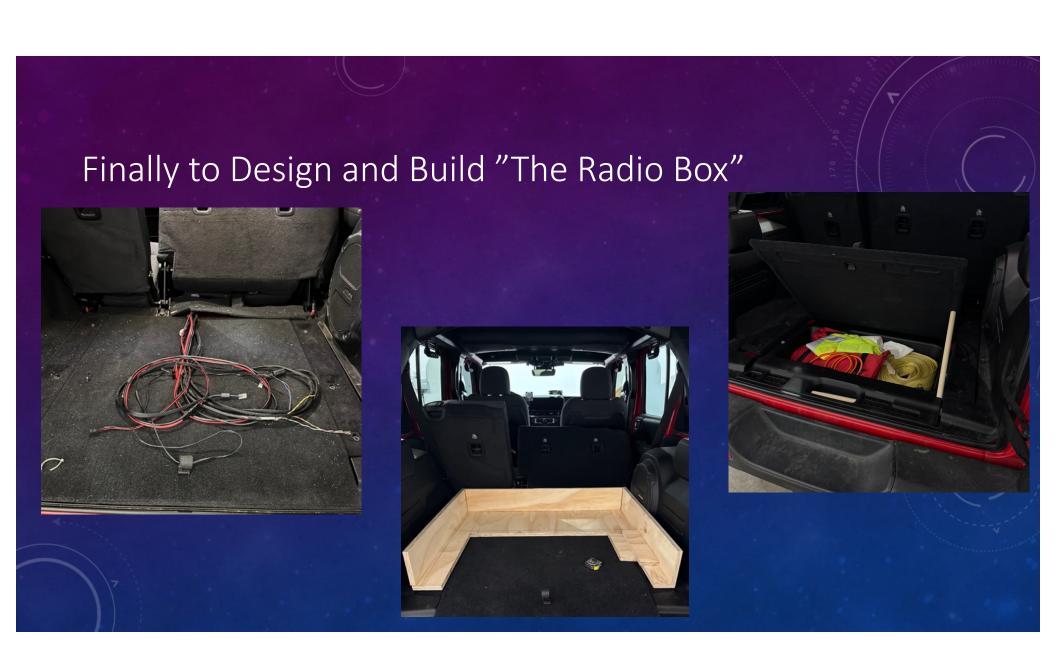
Where to Mount All this Stuff

- Spent a lot of time sitting in the Jeep trying to decide where I would like to mount the equipment
- I started installing pieces so I could see that progress was being made
- The biggest decision was where to mount all the radios
 - I fairly quickly decided I would build a box but would need some time to design it

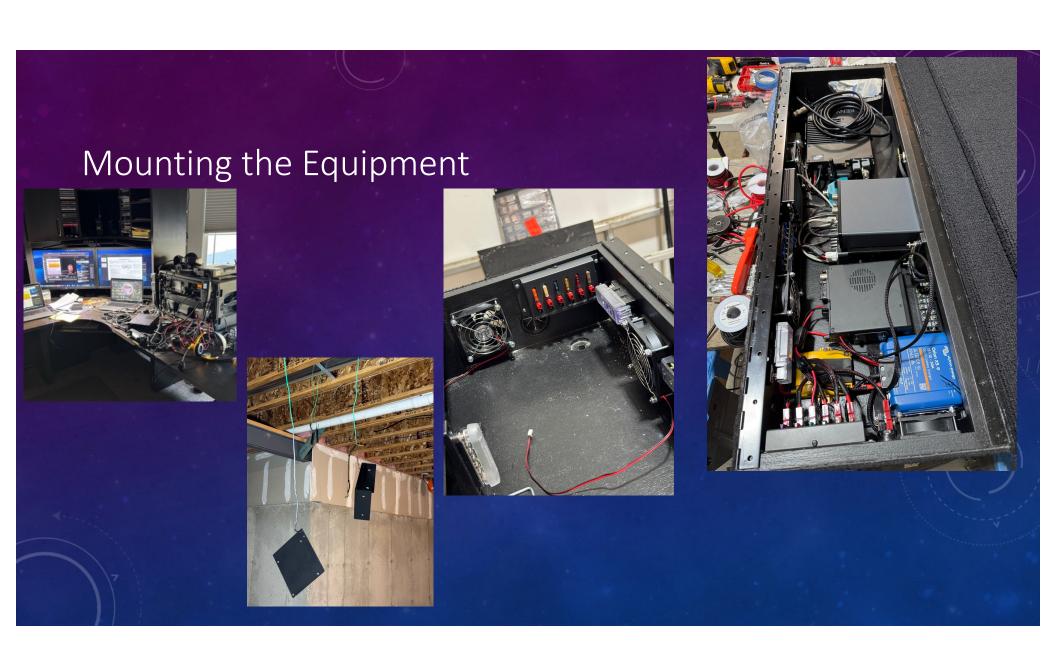












Some Lessons Learned so Far

- Measure once and cut twice and it is still too short
- Not all Home Depot Workers measure too accurately when cutting plywood
- Have a friend with a new saw that he is willing to use if you help assemble it
- Wood Routers aren't very forgiving and can remove more material than desired
- Plan many trips to Home Depot and ACE Hardware
- Plan on multiple Amazon packages daily
- Suspect Electricity bill will be very high with running the heater in the garage for this project
- Need remedial training with Carpeting and wood working
- The paint smell is pretty strong when painting brackets in the basement

