

Places to Visit for Ham Bootcamp Shopping Trip – Saturday November 14th, 2020

Gear for VHF/UHF FM (Repeaters and Simplex)

1. [Yaesu FT-4XR](#) - an inexpensive dual-band HT (HRO)
2. [Yaesu FT-60R](#) - another nice dual-band HT (HRO)
3. [BaoFeng UV-5R](#) - another inexpensive dual-band HT (Amazon)
4. [Kenwood TH-D72A](#) - high-end HT that is especially good for the portable satellite operator, also includes APRS and a built-in GPS for EMCOM work
5. HT Antennas - dual-band approximately 15"
 - a. [Diamond SRH77CA](#) – SMA Connector
 - b. Be careful to when selecting antennas for Chinese Radios that use Female SMA (ex BaoFeng) or Reverse SMA Connector (ex Wouxon)
 - c. [Diamond SMA to Female SMA Adapter](#)
6. [Comet M-245](#) - Mag mount dual-band temporary antenna
7. [Icom IC-2730A](#) - dual-band 50-watt FM Transceiver
8. [Icom ID-5100A Deluxe](#) - a nice dual-band 50-watt mobile/base FM Transceiver w/touch screen interface
9. [Example suction cup mount](#) for Mobile Radio Control Head (Make sure you get one that fits your radio)
10. [Diamond K400SNMO](#) - Mobile NMO Lip Mount
11. NMO Mobile Whip Antennas
 - a. [Diamond NR-BNMO](#) - dual-band 34 inches
 - b. [Comet SS-680SBNMO](#) - dual band 27 inches
12. [Dual-Band Base Ground Plane Antenna](#) – a good choice for a permanent station at home. Mount on a short mast in corner of your deck or on the eve of your house. N-Connector models best for 70cm, feed with LMR-400uF if feedline longer than 25 feet.
13. [Arrow Directional Antenna](#) - dual feed points, good choice for 2-radio satellite ground station
14. [ELK Directional Antenna](#) - single feed point, good choice for Fox Hunting, Mountain Topping, or dual-receive satellite operations with the [Kenwood TH-D72A](#)

15. [RT System Programmer and cable](#) – for programming your radio. Must use RT Systems cables in most cases.

HF Station Gear – Antennas, Feedlines, and Grounds

1. [RADIOWAVZ 20DP11](#) 20m Dipole - 100W power or less
2. [7 Band Buckmaster OCF Dipole](#) – 3 KW Version, 80/75m 40m 20m 17m 12m, 10m, 6m, 135 feet
3. [5 Band Buckmaster OCF Dipole](#) – 3 KW Version, 40m 20m 10m 6m,. 68 feet
4. [Buckmaster Website](#)
5. [Dacron Rope](#) – 3/16 inch
6. [Balun Designs](#) – high performance antenna Baluns
7. [Quality Antenna Wire](#) – 14 ga Stranded Copper, UV Resistant Insulations
8. [Alpha-Delta Insulators](#) – inexpensive plastic insulator for wire antennas
9. [MGS Fiberglass Push-Up Masts](#) – For supporting antennas.
10. [Ground Rod Z-Bracket](#) – for attaching static suppressors to a 5/8” ground rod
11. [Static Suppressor](#) – Alpha-Delta for HF
12. [Ground Bar for Shack](#) – or make your own from copper water pipe and stainless-steel hose clamps. [Here’s another good choice for this component](#). These can be used [outdoors as well for stations with more antennas/static suppressors](#).
13. [Ground Straps](#) – size to fit or attach your own ends
14. [Coax Loss Calculator](#) – for evaluating end-to-end power loss when selecting coax cables.
15. [Custom Coax Cables from DXEngineering](#) – Suggest LRM-400 uF for most applications. Remember to leave a little extra...
16. [Coax Wrap](#) – for sealing coax connectors (IMPORTANT!)

HF Station Gear – Transceivers and Accessories

1. [Icom IC-7300](#) – HF Transceiver
2. [Astron 30A Power Supply](#) – 13.8 Vdc Power Supply
3. [RigRunner Fuse Block](#) – 5 and 8 fuse models are good choices
4. [PowerPole Connectors, Wire, and Tools](#) – MAKE SURE you get the correct connectors and [wire](#)

for your amperage requirement (15A for accessories, 30A for your radio).

5. [Wire Gauge Calculator](#) – use this to select proper size wire for DC power
6. [Heil Headset and Adapter](#) – Lots of good information on [Heil Sound website](#) as well.
7. [PTT Foot Switch](#) – DXengineering heavy duty model, mount to a small board or piece of plywood
8. [Kent Paddles](#) – solid Twin Paddle Key, good value for the \$
9. [WinKeyer](#) – Enables your computer to send morse code, very useful for CW contesting and Field Day. Fun to build in kit form.
10. [Alpha-Delta Antenna Switch](#) – reliable, good SWR performance on HF bands, grounds antennas when not in use.
11. [Dry Dummy Load](#) – this one is a good choice for a 100W radio. Enables you to test and setup your Radio without going on the air. A good idea for Digital operators or anyone who wants to check out their station with being on the air.
12. [Elecraft W2 Wattmeter](#) - dual-sensor direct reading wattmeter
13. [WaveNode WN-2 Wattmeter](#) – dual-sensor direct reading wattmeter
14. [Elecraft KPA500 Amplifier](#) – Solid State, can be 120 VAC powered. A great choice to give your signal a boost. Fun to build as a no-solder kit.
15. [Signalink Sound Card Kit](#) – Best to select a newer radio with built-in sound card and USB interface. Consult the [Tigertronics website](#) for the correct Signalink kit for older radios.
16. [USB CAT Cable](#) - Best to select a newer radio with built-in sound card and USB interface. Get a USB cable to connect to your PC if possible. Each Manufacturer uses different standards.