

- AMSAT: <http://amsat.org>
  - Satellite Status Page: <https://amsat.org/status/>
  - Pass Predictions: <https://amsat.org/track/index.php>
  - Store: <https://amsat.org/shop/>
  - Book: Getting Started With Amateur Satellites
- Antennas:
  - Arrow: <http://www.arrowantennas.com/arrowii/146-437.html>
  - Elk: <https://elkantennas.com/product/dual-band-2m440I5-log-periodic-antenna/>
  - Homebrew: [http://www.amateurradio.bz/4\\_dollar\\_satellite\\_antenna.html](http://www.amateurradio.bz/4_dollar_satellite_antenna.html)
  - Another Homebrew: <https://www.wa5vjb.com/references/Cheap%20Antennas-LEOs.pdf>
- Homebrew Rotators:
  - Requires basic tools and electronics knowledge (~\$80 to build):  
<https://sarcnet.org/rotator-mk1.html>
  - Requires access to a 3D printer: [https://wiki.satnogs.org/SatNOGS\\_Rotator\\_v3](https://wiki.satnogs.org/SatNOGS_Rotator_v3)
  - Put two azimuth rotators together to get az/el:  
[https://blog.radioartisan.com/frankenrotator/?fbclid=IwAR2eCNiJGeB1XRtsSSelo5QgEConOH9Lft4ON4j8KboUdtTDp99P7eX\\_d4](https://blog.radioartisan.com/frankenrotator/?fbclid=IwAR2eCNiJGeB1XRtsSSelo5QgEConOH9Lft4ON4j8KboUdtTDp99P7eX_d4)
  - Another simple, portable rotator:  
<https://www.dxzone.com/qsy32201-autonomous-satellite-tracker>
- Radios (not exhaustive):
  - Full Duplex HTs:
    - In Production: Kenwood TH-D72A
    - Not in Production: IC-W2A, IC-W32, TH-D7, FT-470, FT-530, FT51R
    - In Production, but desense in U/v mode and not recommended: Wouxun KG-UV8D, Wouxun KG-UV9D, AnyTone TERMN-8R
  - Full Duplex Mobiles:
    - In Production: IC-2730A (supports CAT), FT-8900, TM-D710A
    - Not in production: IC-2710, IC-2720, IC-2728H, IC-2800, TM-D700A, TM-D710A, TM-741, TM-742, TM-941, TM-942, FT-5100, FT-5200, FT-8800, FTM-350
  - Full Duplex Base Stations:
    - In Production: IC-9100, IC-9700
    - Not in production: IC-820, IC-821, IC-910, IC-970, TS-790, TS-2000, FT-726, FT-736, FT-847
  - Half Duplex Radios (all mode) that can be used with an SDR dongle for receive:
    - In Production: IC-7100, FT-818, FT-857, FT-991
    - Not in production: FT-817, FT-897, IC-706MKIIG
    - Running a pair of 817s is commonly called an FT-1634 :-)
- Software (tracking):
  - SatPC32 (Windows)
  - Ham Radio Deluxe (Windows)
  - MacDoppler (Mac)
  - GPredict (Linux)
  - AmsatDriod (Android)
  - Heavens-Above (Android)
  - PocketSat3 (iOS and Android)
  - GoSatWatch (iOS)