



Keeping Amateur Radio in Space for over 50 Years!

AMSAT® is dedicated to keeping Amateur Radio in space. Its membership includes a worldwide group of radio hams who use satellites for two-way communications. Some members even design and build the satellites and control them once in orbit.

Our vision is to deploy satellite systems with the goal of providing wide area and continuous coverage. AMSAT will continue active participation in human space missions and support a stream of Low Earth Orbit and Highly Elliptical Orbit satellites developed in cooperation with the educational community and other amateur satellite groups.



The Equipment You Need - You May Already Own!

Many satellites work like easy-to-use **FM repeaters** with a 70 centimeter uplink and 2-meter downlink (or vice versa). Some can be operated with as little as a dual band HT and hand-held antenna. You may also consider using one radio to receive and a second radio to transmit for full-duplex operation.



Other satellites are **digirepeaters** that receive your 2-meter APRS or packet message and retransmit it to be heard thousands of miles away. A simplex 2-meter radio, a soundcard interface and a laptop using free software is all you need.

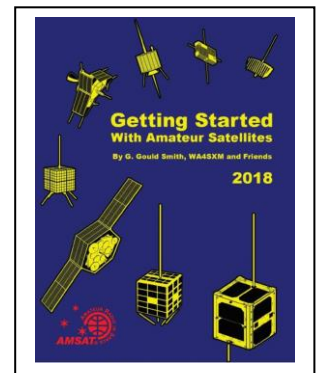
Satellites with **transponders** repeat SSB and CW transmissions between different VHF and UHF bands. These satellites provide enough bandwidth so that several QSO's can take place simultaneously.

Tracking software is available from AMSAT that shows you when the satellites will be over your QTH.

How Do I Get Started?

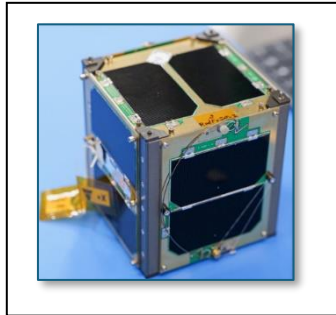
The **Getting Started with Amateur Satellites** book is nearly 200 pages of essential information available at the AMSAT Store.

- The **AMSAT Website** (www.amsat.org) provides up-to-date detailed information useful to the beginner or old-timer, and it's available 24/7.
- The **AMSAT Forum** (AMSAT-BB) is available for anyone to email questions or trade ideas and information with other satellite operators.
- The **AMSAT News Service** (ANS) emails weekly bulletins covering the latest happenings in the world of amateur satellites.



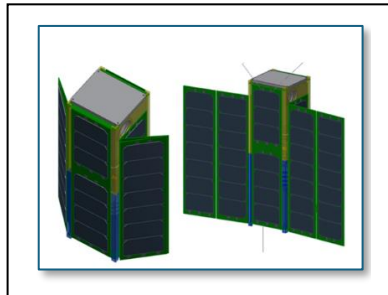
Fifty Years of Innovation in Space... And Counting!

AMSAT's **FOX-1** series of low earth orbit satellites beginning in 2015 became an immediate hit by providing easy access to space communications via Amateur Radio.



The **FOX-Plus** satellites will continue the tradition of providing easy access to two-way communications for experimenters with inexpensive radios and simple antennas. These satellites are designed with advanced software defined radios that will provide high flexibility to support advanced educational and scientific experiments.

The **GOLF** (Greater Orbit for Larger Footprint) program means flying satellites in extended orbits in order to provide wider geographical coverage. Building satellites for these far-out orbits means constructing them to survive the increased rigors of outer space.



Be a Part of Amateur Radio's Exciting Future in Space!

We couldn't keep Amateur Radio in space without a large team of dedicated volunteers. You don't need to have a technical or science background to be of service.

- **AMSAT Ambassador** – Be the face and the voice of AMSAT at hamfests and club meetings.
- **AMSAT Communications** – Write and edit for The AMSAT Journal and the weekly AMSAT News Service.
- **Website Support** – We're always looking for web developers with experience in WordPress, database management, and Wild Apricot.
- **Satellite Development** – If you have hardware or software technical skills, and proven experience directly applicable to satellite design, you might have what it takes to help the engineering team specify, design, build, test, and launch our amateur satellites.
- **Educational Activities** – AMSAT needs volunteers with a background in education and classroom lesson development.

Join Amateur Radio in Space...

Join AMSAT!

As a member of AMSAT, you are helping to sustain amateur radio's presence in space. Benefits of membership include:

- Subscription to The AMSAT Journal
- Discounted price on certain items in the AMSAT Store
- Opportunity to serve on committees and gain valuable professional experience
- Be nominated for awards
- Voting rights in elections
- Opportunity to run for office



Register Online Today!

Annual Basic Membership is only \$44 and a Student Annual Membership is only \$22. Begin your journey into Amateur Satellites at:

<https://launch.amsat.org/>

For further information on membership, volunteering, or how to get on the air, contact AMSAT at:

info@amsat.org

Radio Amateur Satellite Corporation
712 H Street, Ste 1653
Washington, DC 20002

