

RADIO COMMUNICATIONS FOR SCOUTS



Ever wonder how your cell phone works?

• How do we control electronic things without wires?



Ham radio activities are a fun way to learn about wireless communications:

- Build a radio and antenna
- Find a hidden transmitter
- Get on the air from a park
- Connect a radio and computer for wireless messaging
- Compete in radio contests
- Launch and track a weather balloon
- Use satellites to make radio contacts



Amateur radio, also known as **ham radio**, provides an exciting and engaging introduction to wireless technology, the fun of hands-on activities, and the magic of radio.

- Discover how radio works
- Explore radio science through hands-on learning with **amateur radio**
- Use **ham radio** to talk around the world and for public service and emergencies
- Learn how wireless technology is used in everyday life and in careers

• How do we talk to astronauts in space?



The National Association for
ARRL Amateur Radio®

www.arrl.org/scouting

ARRL is Inspiring the Next Generation of Radio Amateurs

HAM RADIO & SCOUTING



Find a Radio Club

Local amateur radio clubs are a great resource to help your scouts get started in ham radio. Many radio clubs have experienced amateur radio operators who can demonstrate and instruct. Find an ARRL Affiliated Club near you.

Jamboree-on-the-Air (Boy Scouts of America)

Jamboree-on-the-Air, or JOTA, is the largest scouting event in the world. Held on the third full weekend in October, JOTA uses amateur radio to link scouts and hams around the world, and in your own community. Scouts participate with help from local ham radio operators to set up a station at your scout camporee, at the park down the block, or perhaps at a ham shack already set up at your council's camp or a nearby school.

ARRL Radio & Wireless Technology Patch (Girl Scouts)

The ARRL Radio & Wireless Technology Patch Program inspires girls to learn the fundamentals of radio communications and wireless technology and to take action in their communities to apply communications to connect

people, provide safety, and explore related careers. Scouts will use

ham radio to do hands-on activities. They can also learn about broadcast radio, emergency communications, and how wireless technology is used in everyday life and in the workplace. Through ham radio, scouts will take on activities that engage, educate, and empower them and kindle an interest in Science, Technology, Engineering, and Math (STEM) subjects and careers.

[Scout leaders: *this program is designed for adult facilitators' use with Girl Scouts at the Brownie, Junior, Cadette, Senior, and Ambassador levels. We encourage leaders to reach out to local amateur radio clubs for assistance with the activities associated with this patch program.*]



Ham Radio & Scouting
www.arrl.org/scouting



What is Ham Radio?
www.arrl.org/what-is-ham-radio



Find a Radio Club
www.arrl.org/find-a-club



FREE ARRL Student Membership
www.arrl.org/student



The National Association for
ARRL Amateur Radio®

www.arrl.org/scouting

ARRL is Inspiring the Next Generation of Radio Amateurs