

## Appendix 4.12 – Amateur Radio GB100j



### Summary Description

This activity offers the opportunity to contact other amateur radio stations around the World by a variety of methods. Participants can discover what can be achieved with simple equipment.

### Educational Objectives

By the end of the activity, Scouts will have:

- Experienced radio communication as a 2-way activity in contrast to broadcasting.
- Used radio as a means of tracking and locating.
- Been introduced to electronic construction.

### Activities

- Worldwide Communication
- Electronic Circuits
- Radio Related Activities

### Timing

Participating visitors will be offered as many of the activities as they have time to complete. The station will operate 24 hours each day.

### Ticketing & Groupings

This is a 'walk-in activity' and tickets are not required.

### Layout & Location

The station is in a marquee situated in the Plaza.

### Links / Partners

Yaesu and Kenwood have offered to lend equipment and other organisations that may support the station include Waters & Stanton, Rapid Electronics, OFCom and the Radio Society of Great Britain.

### Personal Kit Required

None.

### Example Activities:

Worldwide Communication
Brief introduction
Preparation of an international greeting
Speaking to someone across the radio waves (preferably a Scout)
Preparing a card to confirm the contact
Trying Morse code
Amateur radio using computers
Radio Orienteering
Finding transmitters hidden around the site using as special radio receiver
Electronic Construction
Building a simple electronic circuit
Radio related activities
Scout powered electricity generator
Amateur TV
Historical Radio
Hat Cam
Scouting's Sunrise display

