

## Brighton Sailing Club

### *Manual Radio Pages*

**This is for the big manual that Guy is organising**

**June 27th 2023**

1. **Introduction.** The Club has one static and 3 mobile VHF radios. This is considered the minimum needed to ensure reliable operation during sailing even if one set has failed. Normally there would be one mobile out on the rescue boat, and maybe one on the beach. The mobile sets are labelled R1 R2 and R3.
2. **History.** Our past experience with mobile Icom sets was not good, with many failures (average lifetime about one year!). In the last few years we have bought the Standard Horizon 210 (made by Yaesu), which has an internal non-replaceable battery, and a completely sealed case, so we hope for good reliability (though this has not yet been achieved). A database of each radio is maintained, with serial number, date of purchase and warranty terms.
3. **The static radio** (Raymarine RAY 54E) R0 Adam is in good working order; it runs from a 12v DC supply. It has channels M1 and M2 programmed (NB the mobiles cannot use channel M1).
4. **Handset operation:** there is a separate *Brief guide for Radio Users* document, available in the rescue hut, reproduced below and on [www.memsail.org.uk](http://www.memsail.org.uk).
5. **Licensing:** I spoke to RYA officer Craig in 2020; his guidance note is on [www.memsail.org.uk](http://www.memsail.org.uk) . He advised that to use the international marine channels as we have been (e.g. channel 77), each operator and each radio would have to be licensed, in order to stay on the right side of OFCOM. He advised we use channels M M1 and M2 which are intended for leisure marine use. Even if we stick to these, in principle we still need a Coastal Station Radio Marina Licence (£75 pa), and if our radios have access to the marine channels (which they do) we also need a Ship Portable Radio Licence for each radio. M2 is available on all our radios and is preferred. There may be other users on this channel; no-one has exclusive rights of use.
6. **Operating procedure.** The name of the rescue boat is 'sea rider' and for the rescue hut 'beach hut'. Name the called station first, so if I am calling the boat from the hut then I say "sea rider, this is beach hut".
7. **Ongoing support.** Relevant documents are on [www.memsail.org.uk](http://www.memsail.org.uk), (maintained by Paul Tofts) and may be moved to BSC website. These include instruction manuals and RYA guidance. Richard Rudd, and Jez Thorpe have offered to look inside faulty radios.

# Mobile VHF radios Standard Horizon HX210 (radios R1, R2, R3)

## *Brief guide for Radio Users*

June 2023

1. How to operate:
  - a. Power on/off red button on front
  - b. Battery level black bar top right
  - c. Channel M2
  - d. To talk, press red button on side (PTT)
  - e. Squelch level : press lower left button SQL (usually 1 is good)
  - f. Volume level keys on front
  - g. If you take this out to sea, keep it clipped securely to your buoyancy aid
  - h. When calling, state the name of the receiving station first e.g. "James this is Simon"
  - i. Carry out a radio check before going out to sea.
  - j. After use, replace into the charger cradle
  
2. If things go wrong:
  - a. Unlock keys: CLR hold down
  - b. Resetting power to LO: press any white software key below display, select power
  - c. Reset channel to M2 (above 88)
  - d. Check channel group is UK (see manual p14)
  - e. Manual is in radio box, or online at [www.memsail.org.uk](http://www.memsail.org.uk)
  
3. If handheld will not charge:
  - a. Switch on handset and look for battery status icon (rectangle top right).
  - b. If blank rectangle or no display, then handset is discharged.
  - c. Insert handset into cradle, charging arrow should show (whether handset is on or off). This is a two-ended arrow with thin heads.
  - d. If no arrow, then scratch the contacts on radio and maybe charging cradle.
  
4. Extra information:
  - a. Channel M2 is for leisure use, and avoids licensing issues. Look out for other users. Should avoid clash with Sussex Yacht races.
  - b. Default settings are: power LO, squelch 1, channel M2, keypad locked (CLR button).
  - c. Chargers are intelligent and can be left on
  - d. Use the static station when in the rescue hut.
  - e. This file is at [www.memsail.org.uk](http://www.memsail.org.uk)