

VHF Radios: Trouble Shooting Check List

- **Power:**
 - Radio **ON-OFF** Button. Press it Multiple times until screen is BRIGHT.
 - Catalyst only. VHF Aux Power Switch is Top Right on Console below wheel. **UP is ON.**
 - Other Boats. If the motor starts then there should be power to the Radio.
 - After use. Turn radio OFF by pushing and holding down the **ON-OFF** Button, until screen goes Blank.
- **Volume:**
 - Rotate fully Clockwise then Turn Back ¼ turn.
 - Note: The Mic has Built-in Speaker on the Backside of the Mic. Useful in high winds.
- **Channel: Channel 77 “Worser Bay Sports”**
 - Wellington Harbour Ch77 is a shared public “simplex” channel (156.875 MHz ship to ship)
 - **PR1** Button is preset to = Channel 77 (PR1 = Priority 1)
 - **PR2** Button is preset to = Channel 14 “Wellington Harbour Radio Beacon Hill”
 - Don’t change these default settings. (Note: WeatherNowCast Ch20 , Coast Guard Ch62/63)
- **Transmitter Power: [LO]**
 - **LO** Button to [LO] power on the Screen (LO < 1 watt , Full Power = 25 watt for GX700 units)
 - Ch77 is a shared public operational channel. 1 watt is fine for a >2 km Radius around WBBC.
 - Muritai YC should not hear our transmissions and v.v. Don’t change this default setting from [LO].
- **Squelch & Antenna.**
 - **SQL** Preset at -1 dB. Antenna must be as **VERTICAL** as possible for even 360deg Transmission.
 - No need for more SQL at WBBC. More SQL means less sensitivity.
 - Don’t change default setting from -1 dB. Leave Antenna in correct *vertical* position.
- **Radio Check:**
 - **Expectation: Crystal Clarity in both directions. No other noise or distortion.**
 - Do it before Launching. Keep all VHF Transmissions brief and to-the-point.
 - **AND** do it *again* when you are far away from Shore as you normally get.
 - Off eastern end of Seatoun Beach or off the bay north of Sunken Rock >1.5km
- Call
 - “Worser Bay Sports this is [Your Boat Call Sign]
 - “Please give me a Radio Check”
- WBBC should reply
 - “This is Worser Bay Sports, [Your Boat Call Sign] I hear you **Loud and Clear**”
- You should reply
 - “This is [your Boat Call Sign] , Worser Bay Sports I hear you **Load and Clear** also”
 - “Thank you” [your Boat Call Sign] Out”
- **If**
 - **there is a Problem and Transmission or Reception is NOT “Loud & Clear”**
- **Then**
 - **you must return to shore to resolve the VHF Radio problem ASAP.**
 - **and/or arrange to take a “Fully Charged” handheld VHF radio from the Start Box.**
 - **Remember to return the handheld to Start Box for recharging after use.**
 - **Also REPORT any observed Mechanical Damage to Mics or Antenna or cables.**
- There is no point in having Rescue Boats on the water without excellent VHF communications.
- It could become Critical.