

# Ship to Shore Voice Calling

Passage Guardian

Peter Mott - February 2025 v1.0

# Ship to Shore Voice Calling

Who do we need to call?

- RCC when in distress (after activating EPIRB)
- Taupo Maritime Radio for medical advice
- Shore side experts, e.g. Rigger, Mechanic, Electrician
- Mother on her birthday

# Ship to Shore Voice Calling

## Technology Choices

- HF / SSB Radiotelephone
- Satellite Telephone
- Smartphone connected to onboard wifi hotspot with satellite uplink

# Ship to Shore Voice Calling

## Pros and Cons

Technology	Pros	Cons
RadioTelephone	Good voice quality No call charges	Requires skilled operator to achieve reliable communication  Can only talk to a coast radio station and other vessels
Satellite Telephone	Good voice quality Very easy to operate Practical to operate from liferaft	Per minute call charges
SmartPhone (on-board wifi + sat uplink)	Very easy to operate No per minute call charges	Variable voice quality depending on sat uplink speed Not practical to operate from liferaft Prone to technical problems due to complexity of solution

# Ship to Shore Voice Calling

## Brands

Technology	Manufacturer	Model / Service
RadioTelephone	Icom	M804 M710
Satellite Telephone	Iridium Inmarsat	9555, Extreme iSatPhone2
SmartPhone (on-board wifi + sat uplink)	Iridium SpaceX	Iridium Go! Iridium Go! Exec Starlink

# Ship to Shore Voice Calling

## Resources

- Iridium Extreme - how to use  
<https://www.youtube.com/watch?v=WShl9z0HjHo>
- Iridium Go! - how to use  
[https://www.youtube.com/watch?v=\\_R2nRaFz7lc](https://www.youtube.com/watch?v=_R2nRaFz7lc)
- Iridium Go! Exec - how to make a call  
<https://www.youtube.com/watch?v=bhHxWiLAxJo>
- <https://www.starlink.com/nz/service-plans>
- This presentation  
<https://passageguardian.nz/resources/ship-shore-voice-calling.pdf>

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Questions?