



User Manual



**V200**

**GMDSS Handheld VHF Radio**

English

[www.oceansignal.com](http://www.oceansignal.com)



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**For ease of access please record details of your V200 here:**

**Owners Name:** .....

**Vessel Name:** .....

**Radio Serial Number:** .....

**Primary Battery Expiry:** .....

## EMERGENCY USE



### ENSURE THE YELLOW LITHIUM BATTERY PACK IS FITTED



- ① Before operation pull out the red security tag from the battery.
- ② If the radio does not turn on automatically press the  key (push the knob down).
- ③ The radio will turn on with the distress and calling channel 16 already selected.
- ④ Use the  and  keys to select a required channel. NOTE: Channels are restricted to GMDSS simplex only.
- ⑤ Rotate the knob or use the VOL key followed by the  and  keys to adjust the speaker volume.
- ⑥ Use the SQ key followed by the  and  keys to adjust the squelch (muting) level.
- ⑦ Use the PUSH TO TALK key to transmit.



To transmit a MAYDAY call the following procedure should be followed.

Ensure the radio is turned on, channel 16 is selected and the PUSH TO TALK key is pressed. Announce the following clearly into the radio.

**MAYDAY - MAYDAY - MAYDAY**

**This is [Ship's Name] - This is [Ship's Name] - This is [Ship's Name]**

**MAYDAY [Ship's Name or Call Sign]**

**Position.....[LAT and LON of description]**

**Nature of Distress is.....[State the aid required]**

**The number of persons on board is... [followed by any other useful information]**

**Over**

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## 1. GENERAL

The V200 is supplied in the following packages:

- GMDSS use only, consisting of: V200 radio, antenna, lanyard (attached), Lithium emergency battery, mounting bracket, quick start guide.
- GMDSS and daily use, consisting of: V200 radio, antenna, lanyard (attached), Lithium emergency battery, Lithium Polymer rechargeable battery, charger, mains adaptor, supply lead, quick start guide.

### 1.1 Introduction

This manual provides valuable information for the installation, operation and routine maintenance of the V200 radio and the charger, if included.

Please read this manual completely before using your V200 radio.

### 1.2 Exposure to RF Electromagnetic Energy

This product has been evaluated for compliance with the FCC RF exposure limits given in CFR 47 part 2.1093.

This equipment complies with the RF exposure limits established by ISED for an uncontrolled environment. The device has been evaluated at 0 mm separation distance and found to meet the Specific Absorption Rate (SAR) requirements of RSS-102. No minimum separation distance is required during use.

### 1.3 Warnings



**Do not operate this radio without the antenna attached or with a damaged antenna.**



**Always operate the radio with the antenna at least 2.5cm (1inch) away from your head and do not transmit for more than 50% of the total time the radio is used.**



**The use of this radio may be covered by licensing requirements in the country of use. Please check with your local regulatory body before use.**



**Do not attempt to short circuit, burn or rupture the Lithium batteries. Use only the recommended charger for the rechargeable battery.**



**Changes or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment.**

## 1.4 What's in the Box

1. V200 VHF Handheld Radio
2. Primary (non-rechargeable) Battery
3. Rechargeable Battery \*
4. Radio antenna
5. Wrist Lanyard
6. Cradle (GMDSS kit only)
7. Charging Cradle \*
8. 110-240VAC Charger \*
9. Quick Start Guide

\* Only included with the full use kit

## 2. INSTALLATION

### 2.1 Attaching the Antenna

The included flexible mini antenna must be secured to the radio before operation. There is a threadlock adhesive on the thread that will secure the antenna permanently once it is attached. The antenna will screw fully down using hand force.



**Do not use tools to attach the antenna**



**Once the antenna is attached it will no longer be removable**



**Ensure the antenna is screwed fully onto the radio before use**



### 2.2 Attaching the Wrist Lanyard

The included Wrist lanyard should be attached to the mounting point on the top of the radio. Pass the thin loop through the mount and thread the lanyard through to secure.



**GMDSS compliance requires the Lanyard to be attached**

## 2.3 Mounting the cradle

In the 'GMDSS pack', the safeSEA V200 is provided with a simple mounting cradle. In the full use kit', the charger provided is used for storage of the radio. The cradle and charger can be wall mounted using the two self-tapping screws provided. Additionally the charger may be desktop mounted.

 **Ensure the radio is mounted in accordance with IMO guidelines where applicable.**



The single cradle is supplied with the GMDSS kit to allow the radio to be secured in a suitable location to be accessible in case of emergency.



The charging cradle allows the radio fitted with a rechargeable battery to charge while storing a Primary battery for use in an emergency situation.

Both cradles can be attached to a vertical or horizontal surface using the supplied screws.

## 2.4 Registering via the mobile app

GET THE MOBILE APP  
TO REGISTER YOUR  
HANDHELD VHF  
INFORMATION



**Android**



**iOS**



Connects using Near Field  
Communication (NFC)

Download the mobile app and follow the instructions on screen.

Use the mobile app to read the QR Codes on your VHF radio and battery, to store the serial number and battery renewal information. Enter your contact details to allow battery replacement reminders.

## 3. V200 OVERVIEW



### 3.1 Basic Parts

1. Antenna
2. ON/OFF and Multi Purpose Knob
3. Channel select Key
4. Multi Purpose Up/Down Key
5. Channel 16 select Key
6. Speaker and Microphone
7. Squelch select Key
8. Volume select Key
9. Push to Talk Key
10. LCD Display panel

### 3.2 Basic Display Indications

1. Primary Battery Indicator
2. Keypad Locked
3. Battery Life
4. Channel Number
5. Backlight On
6. Push to Talk Pressed
7. Squelch Value (0-9)
8. Volume Value (0-9)
9. 4 Digit Channel Number (with 4)

### 3.3 Antenna Information

This device uses a non-removable antenna. The antenna must not be modified, replaced, or used with any external antenna system.

Any modification to the antenna or radio section may void the user's authority to operate this equipment.



## 4. GMDSS OPERATION

Ensure the radio is fitted with a charged battery before commencing use. The primary battery will have the witness label intact indicating that it has full capacity (the label must be removed to operate). The display will indicate GMDSS when operating in this emergency mode.

### 4.1 First Level Operation

Single quick press [single beep] of the buttons.

#### 4.1.1 Switching On

Press the knob to turn the SafeSea V100 on. The LCD will illuminate and a beep will indicate power is on and the display will show the current information, with channel 16 as the selected channel.

#### 4.1.2 Switching Off

Press and hold the knob for 5 seconds to turn the radio off. The display will show a 3 second countdown, then the LCD will go blank.

#### 4.1.3 Channel Selection

Press the or keys to scroll through the available channels or press the button (the channel number will flash) and rotate the top knob.

#### 4.1.4 Channel 16 selection

Pressing the key will select channel 16. Pressing the key again will revert to the previous channel.

#### 4.1.5 Transmitting

Press the **PUSH TO TALK** key on the side of the radio to transmit. The microphone is located to the top left of the speaker grille. Release the key when you have finished talking.

- It is good practice to keep transmissions as short as possible. This will minimise battery discharge and ensure that you are not interfering with other users of the channel.
- Ensure the correct channel is selected and that there is no other transmission audible before pressing the **PUSH TO TALK** key to avoid interference with other users.

#### 4.1.6 Volume Adjustment

Rotate the knob to increase or decrease the speaker volume or press the key (the VOL level will flash) and then use the or keys to increase or decrease the speaker volume. The volume is displayed as levels 0 (mute) to 9 (loudest).

## 4.1.7 Squelch Adjustment

Press the  key (the SQ level will flash) and then use the  or  keys or the knob to increase or decrease the squelch value. The squelch value is displayed as levels 0 (most sensitive) to 9 (least sensitive).



**The squelch should be adjusted to a level where background noise and weak, unreadable signals do not open the mute.**

Experience will show what the best setting is for the local environment.

## 4.1.8 Backlight Adjustment

To turn the lights on or off and adjust the level, press the  knob and hold for 2 seconds (the light icon will flash), rotate the knob or press the  or  keys to adjust the backlighting level from off through five levels to maximum. After two seconds of inactivity the operation of the selection keys will revert to channel change.

The lights will stay on for a period of 10 sec (default) or as set in the menu. Pressing any key will reactivate the lights.

## 4.2 Second Level Operation

Press and hold (double beep) of the buttons.

### 4.2.1 Transmit Power

To set the transmit power to low press and hold for 2 seconds the  until a double beep sounds. The display will show SET Lo for 2 seconds and then Lo will appear alongside the channel number.

To return to full power press and hold for 2 seconds the  until a double beep sounds. The display will show SET Hi for 2 seconds and the channel number only will be displayed.

**NOTE: Channels mandated to transmit at low power will always display Lo alongside the channel number.**

### 4.2.2 Dual Watch

This feature is disabled in GMDSS mode.

### 4.2.3 Scan

This feature is disabled in GMDSS mode.



## 4.3 Third Level Operation

A long hold down (3 beeps) of the buttons.

### 4.3.1 Key Lock

Press and hold the key for 3 seconds until a triple beep is heard to lock the keypad against accidental use. Press and hold key for 3 seconds until a triple beep is heard to unlock the keypad. (The key lock will be disabled when the radio is turned off.)

**NOTE:** The default setting for the key lock is off.

### 4.3.2 Tri-Watch

This feature is disabled in GMDSS mode.

### 4.3.3 Calling Channel

This feature is disabled in GMDSS mode.

## 5. RECHARGEABLE OPERATION

Ensure the radio is fitted with a charged battery before commencing use.

### 5.1 Primary Operation

Single quick press (single beep) of the buttons.

#### 5.1.1 Switching On

Press the knob to turn the safeSEA V200 on. The LCD will illuminate and a beep will indicate power is on and the display will show the current information, with channel 16 as the selected channel.

#### 5.1.2 Switching Off

Press and hold the knob for 5 seconds to turn the radio off. The display will show a 3 second countdown, then the LCD will go blank.

#### 5.1.3 Channel Selection

Press the or keys to scroll through the available channels or press the button (the channel number will flash) and rotate the top knob.

#### 5.1.4 Channel 16 selection

Pressing the key will select channel 16. Pressing the key again will revert to the previous channel.

### 5.1.5 Transmitting

Press the **PUSH TO TALK** key on the side of the radio to transmit. The microphone is located to the top left of the speaker grille. Release the key when you have finished talking.

- It is good practice to keep transmissions as short as possible. This will minimise battery discharge and ensure that you are not interfering with other users of the channel.
- Ensure the correct channel is selected and that there is no other transmission audible before pressing the **PUSH TO TALK** key to avoid interference with other users.



### 5.1.6 Volume Adjustment

Rotate the knob to increase or decrease the speaker volume or press the **VOL** key (the VOL level will flash) and then use the **▲** or **▼** keys or the top knob to increase or decrease the speaker volume. The volume is displayed as levels 0 (mute) to 9 (loudest).

### 5.1.7 Squelch Adjustment

Press the **SQ** key (the SQ level will flash) and then use the **▲** or **▼** keys or the top knob to increase or decrease the squelch value. The squelch value is displayed as levels 0 (most sensitive) to 9 (least sensitive).



**The squelch should be adjusted to a level where background noise and weak, unreadable signals do not open the mute.**

Experience will show what the best setting is for the local environment.

### 5.1.8 Backlight Adjustment

To turn the lights on or off and adjust the level, press the **☼** knob and hold for 2 seconds (the light icon and light level number will flash), rotate the top knob or press the **▲** or **▼** keys to adjust the backlighting level from off through five levels to maximum. After two seconds of inactivity the operation of the selection keys will revert to channel change.

The lights will stay on for a period of 10 sec (default) or as set in the menu. Pressing any key will reactivate the lights.



## 5.2 Second Level Operation

Press and hold (double beep) of the buttons.

### 5.2.1 Transmit Power

Press and hold for 2 seconds the  until a double beep sounds then release. The display will show SET Lo for 2 seconds and then Lo will appear alongside the channel number.

To return to full power press and hold for 2 seconds the  until a double beep sounds. The display will show SET Hi for 2 seconds and the channel number only will be displayed.

**NOTE: Channels mandated to transmit at low power will always display Lo alongside the channel number.**

### 5.2.2 Dual Watch

Press and hold for 2 seconds the  key until a double beep is sounded then release. The display will indicate DW and the radio will alternate receiving between the selected channel and channel 16. If a signal is received then the scan will pause and receive that channel until the transmission is ended.

**NOTE: When the radio is first powered on and channel 16 is indicated, selecting Dual Watch will have no effect.**

### 5.2.3 Scan

Press and hold for 2 seconds the  key until a double beep is sounded then release. The display will indicate SCAN and the radio will start scanning the complete channel set looking for a signal. If a signal is received then the scan will pause and receive that channel until the transmission is ended.

## 5.3 Third Level Operation

A long hold down (3 beeps) of the buttons.

### 5.3.1 Keylock

Press and hold the  key for 3 seconds until a triple beep is heard, then release to lock the keypad against accidental use. Press and hold  key for 3 seconds until a triple beep is heard to unlock the keypad. (The key lock will be disabled when the radio is turned off.)

**NOTE:** The default setting for the key lock is off.

## 5.3.2 Tri-Watch

Press and hold for 3 seconds the  key until a triple beep is sounded then release. The display will indicate TW and the radio will alternate receiving between the selected channel, the Calling Channel and channel 16. If a signal is received then the scan will pause and receive that channel until the transmission is ended.

## 5.3.3 Calling Channel

Press and hold for 3 seconds the  key until a triple beep is sounded then release. The display will indicate CALLING and change to the set Calling Channel.

**NOTE: The default Calling Channel is set to channel 09. To change this see section 6.**



## 6. MENU MODE

### 6.1 To enter MENU Mode

Press and hold the key for 3 seconds, a triple beep sounds, the LCD display show MENU and the backlight will illuminate permanently during MENU mode.

Press the key to progress through the menu items

When in MENU mode press the key for 2 seconds, a double beep sounds and the display flashes the setting to be changed. Press the key for 2 seconds, a double beep sounds and the display stops flashing, to enter the selected value.

#### 6.1.1 Set Calling Channel

Press the or keys to scroll through the available channels.

#### 6.1.2 Set Key Beep

Press the or keys to toggle between **Y** (On) or **nO** (Off).

#### 6.1.3 Set Light Dwell Time

Press the or keys to select the length of time you wish the backlight to remain on after a key press (seconds).

#### 6.1.4 Set Scan Dwell Time

Press the or keys to select the length of time the scan pauses when a signal is received.

#### 6.1.5 Set Auto Key Lock

Press the or keys to toggle between **Y** (On) or **nO** (Off).

When set to Yes, the keypad will auto lock 5 seconds after the last key press.

#### 6.1.6 Set Regional Channel Set

Press the or international channel set you wish to use, International, USA or Canada (see section 7.5).

#### 6.1.7 Set Factory Reset

Press and hold the key for 5 seconds. A countdown will show on the LCD display and once complete a long beep will sound and the radio will turn off and then restart with the factory default settings.

## **6.1.8 Display Hardware Version Information Number**

This is a display page only and no changes can be made.

## **6.1.9 Display Software Version Information Number**

This is a display page only and no changes can be made.

## 7. APPENDIX

### 7.1 Maintenance

The VHF requires little maintenance except periodic cleaning, if required. Always use a damp cloth to clean the case and dry thoroughly.

-  **Do not use solvents or other cleaning fluids as this may cause the plastics to deteriorate.**
-  **Ensure the antenna is clean, fully tightened and not damaged.**
-  **Should the VHF accidentally turn on during cleaning, make sure it is turned off as quickly as possible by pressing and holding the ON/OFF Key.**

#### 7.1.1 Every Month

- Inspect the VHF for obvious signs of damage including the state and tightness of the antenna. Any damage to the antenna may cause operation of the VHF to be impaired.
- Confirm that the Primary battery is within the specified expiry date and the witness label is completely in tact.
- Clean the VHF and mounting. It is recommended that the VHF is cleaned only using a damp cloth.

#### 7.1.2 Every 12 Months

- Use a spare Primary battery or a rechargeable battery to power up the VHF and ensure it operates correctly.
- If possible communicate with another VHF radio to confirm full operation

#### 7.1.3 Shore Based Maintenance (SBM)

- If the VHF is used on a vessel which requires GMDSS compliant equipment, the VHF shall be tested and approved as required by SOLAS regulation.

-  **There are no user serviceable parts inside the V200 VHF Radio.**
-  **DO NOT OPEN THE VHF RADIO. DOING SO WILL INVALIDATE THE WARRANTY AND MAY CAUSE PERMANENT DAMAGE.**

## 7.2 Batteries

The V200 VHF Radio is supplied with User Replaceable Battery Packs:

- A Lithium Iron Primary Battery Pack for long operating life. The battery must be replaced either prior to the expiry date or after the Primary Battery has been used, even if only for a short period of time. The battery should be replaced if the witness label is damaged or removed.
- OPTIONAL - Rechargeable Lithium Ion Battery Pack. The battery should only be charged using the supplied charger.
- Contains Lithium batteries:
  - store between -30°C [-22°F] to +70°C [+158°F]If the V200 Batteries are stored at higher temperatures the battery life may be degraded and should be replaced earlier than the date stated. Storing outside this temperature range may result in the VHF failing to provide the full 8 hour operating life. The effect is more pronounced as the temperature increases.



**Do not short circuit, incinerate or recharge.**

## 7.3 Decommissioning and Disposal

Care should be taken when disposing of your V200 VHF when it is no longer required. It is recommended to remove the battery from the Radio.



**The V200 VHF is not user serviceable and opening the case will invalidate the warranty.**



**Once removed, the battery and other components of the product should be disposed of following guidelines and laws applicable within the relevant country.**



**Do not short circuit, incinerate or recharge the battery.**



**Incorrect handling and disposal of batteries may lead to leakage and explosion.**



### 7.4 Transport

When shipping your V200 VHF the following guidance and regulations should be followed

- Always pack your V200 VHF securely in a stout cardboard carton. Ocean Signal advises that you keep the original packaging in case of return for service.
- For surface transport the V200 VHF may be shipped under [Special Provision 188](#).
- For air transport the V200 VHF should be shipped as category [UN3091](#) and packed under [IATA packing instruction 969 section II](#). If you are hand carrying your V200 VHF on an aircraft please contact your airline for advice.

Safety Data sheets for all Ocean Signal products can be found on the Ocean Signal website:

<https://oceansignal.com/psds>

## 7.5 Channel Sets

Channels available when operating in the GMDSS mode with the Primary Battery installed.

### 7.5.1 GMDSS Channels

Channel	Tx. Freq. (MHz)	Rx. Freq. (MHz)	Note
06	156.300	156.300	
08	156.400	156.400	
09	156.450	156.450	
10	156.500	156.500	
11	156.550	156.550	
12	156.600	156.600	
13	156.650	156.650	
14	156.700	156.700	
15	156.750	156.750	Lo Power (<1W)
16	156.800	156.800	GMDSS - Distress, Safety and Calling
17	156.850	156.850	Lo Power (<1W)
67	156.375	156.375	
68	156.425	156.425	
69	156.475	156.475	
71	156.575	156.575	
72	156.625	156.625	
73	156.625	156.625	
74	156.725	156.725	
77	156.875	156.875	
87	157.375	157.375	
88	157.425	157.425	

When used outside of the GMDSS mode (with a rechargeable battery fitted) the following channel sets are available.



## 7.5.2 International

Channel	Tx. Freq. (MHz)	Rx. Freq. (MHz)	Note
01	156.050	156.050	
06	156.300	156.300	
08	156.400	156.400	
09	156.450	156.450	
10	156.500	156.500	
11	156.550	156.550	
12	156.600	156.600	
13	156.650	156.650	
14	156.700	156.700	
15	156.750	156.750	Lo Power (<1W)
16	156.800	156.800	GMDSS - Distress, Safety and Calling
17	156.850	156.850	Lo Power (<1W)
18	156.900	156.900	
19	156.650	156.650	
1019	156.950	156.950	
2019		161.550	Rx only
1020	157.000		
2020		161.600	
1027	157.350	157.350	
1028	157.400	157.400	
1037	157.850	157.850	
60	156.025	160.625	
61	156.075	160.675	
62	156.125	160.725	
63	161.175	160.775	
64	156.225	160.825	
67	156.375	156.375	
68	156.425	156.425	
69	156.475	156.475	
71	156.575	156.575	
72	156.625	156.625	
73	156.625	156.625	
74	156.725	156.725	
75	156.775	156.775	Lo Power (<1W)
76	156.825	156.825	
77	156.875	156.875	
1078	156.925	156.925	
2078		161.525	Rx only
1079	156.975	156.975	
2079		161.575	Rx only
87	157.375	157.375	
88	157.425	157.425	
P4	161.425	161.425	UK M2 Marina Channel

## 7.5.3 USA

Channel	Tx Freq. (MHz)	Rx Freq. (MHz)	Note
1001	156.050	156.050	
1005	156.250	156.250	
06	156.300	156.300	
1007	156.350	156.350	
08	156.400	156.400	
09	156.450	156.450	
10	156.500	156.500	
11	156.550	156.550	
12	156.600	156.600	
13	156.650	156.650	Lo Power (<1W)
14	156.700	156.700	
15		156.750	Receive only
16	156.800	156.800	GMDSS - Distress, Safety and Calling
17	156.850	156.850	Lo Power (<1W)
1018	156.900	156.900	
1019	156.950	156.950	
1020	157.000	157.000	
1021	157.050	157.050	Not in USA Waters
1022	157.100	157.100	
1023	157.150	157.150	Not in USA Waters
1037	157.850	157.850	UK M1 Marina Channel
1063	156.175	156.175	
1065	156.275	156.275	
1066	156.325	156.325	
67	156.375	156.375	Lo Power (<1W)
68	156.425	156.425	
69	156.475	156.475	
71	156.575	156.575	
72	156.625	156.625	
73	156.675	156.675	
74	156.725	156.725	
77	156.875	156.875	Lo Power (<1W)
1078	156.925	156.925	
1079	156.975	156.975	
1080	157.025	157.025	
1081	157.075	157.075	Not in USA Waters
1082	157.125	157.125	Not in USA Waters
1083	157.175	157.175	Not in USA Waters
84	157.225	161.825	
85	157.275	161.875	
86	157.325	161.925	
87	157.375	157.375	
88	157.425	157.425	
P4	161.425		UK M2 Marina Channel



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**7.5.4 Canada**

Channel	Tx. Freq. (MHz)	Rx. Freq. (MHz)	Note
01	156.050	156.050	
1004	156.200	156.200	
1005	156.250	156.250	
06	156.300	156.300	
08	156.400	156.400	
09	156.450	156.450	
10	156.500	156.500	
11	156.550	156.550	
12	156.600	156.600	
13	156.650	156.650	Lo Power (<1W)
14	156.700	156.700	
15	156.750	156.750	Lo Power (<1W)
16	156.800	156.800	GMDSS - Distress, Safety and Calling
17	156.850	156.850	Lo Power (<1W)
1018	156.900	156.900	
1019	156.950	156.950	
1021	157.050	157.050	
2021		161.650	Rx only
1022	157.100	157.100	
2023		161.750	Rx only
2025		161.850	Rx only
2028		162.000	Rx only
60	156.025	160.625	
1061	156.075	156.075	
1062	156.125	156.125	
1063	161.175	161.175	
1064	156.225	156.225	
1065	156.275	156.275	
1066	156.325	156.325	
67	156.375	156.375	
68	156.425	156.425	
69	156.475	156.475	
71	156.575	156.575	
72	156.625	156.625	
73	156.625	156.625	
74	156.725	156.725	
75	156.775	156.775	Lo Power (<1W)
76	156.825	156.825	Lo Power (<1W)
77	156.875	156.875	Lo Power (<1W)
1078	156.925	156.925	
2078		161.525	Rx only
1079	156.975	156.975	
1080	157.025	157.025	
1081	157.075	157.075	



## V200 VHF Radio User Manual



Channel	Tx. Freq. (MHz)	Rx. Freq. (MHz)	Note
1082	157.125	157.125	
1083	157.175	157.175	
2083		161.775	Rx only
87	157.375	157.375	
88	157.425	157.425	

## 7.6 General Specifications

Operating time (Primary battery)	>8hours (10/10/80% Tx/Rx/Standby)
Transmit power (conducted) (Primary battery)	2.5 Watts / ≤1 Watt
Transmit power (conducted) (Rechargeable battery)	5 Watts / ≤1 Watt
Audio output (Max. volume)	86dBa @1m
NFC Frequency	13.56MHz
Dimensions of VHF (Inc. antenna)	279mm x 64mm x 37mm (11.0 x 2.5 x 1.5 in.)
Weight (VHF Only)	422grams (0.92lbs)
Dimensions of Single Base	52mm x 84mm x 64mm (2.0" x 3.3" x 2.5")
Dimensions of Charging Base	53mm x 84mm x 83mm (2.1" x 3.3" x 3.3")
Operating Temperature	-20C to +55C
Storage Temperature	-30C to +70C
Waterproof (VHF)	1m depth for 1 hour
Expected Life (VHF)	In excess of 10 years

## 7.7 Approvals

Any unauthorised modification to this equipment will invalidate any approvals listed either in this manual or on the Ocean Signal website.

### 7.7.1 European Union

Hereby Ocean Signal Ltd. declares that the V200 VHF Handheld Radio is in compliance with EU Marine Equipment Directive, under MED/5.17 of the current implementing regulation.

The full text of the EU Declaration of Conformity is available at the following internet address: <https://oceansignal.com/products/v200>

### 7.7.2 UK

The V200 VHF Handheld Radio is approved under the UK Marine Equipment Regulations, MSN 1874, as amended.

### 7.7.3 US

The V200 VHF Handheld radio is approved under FCC Rule 80.1101(c)(7) with FCC Identifier XVEV200

### 7.7.4 Canada

ISED Certification Number: IC: 9296A-V200

This device complies with the applicable Innovation, Science and Economic Development Canada (ISED) Radio Standards Specifications, including RSS-182 and RSS-GEN for licensed maritime radio equipment.

### 7.7.5 Approval documentation

For full details of global approval status visit:

<https://oceansignal.com/support/documents/?category%5B%5D=approvals-documents>





## Spares

LB15V Lithium (Primary) Battery for safeSEA V200 VHF	723S-04773
RB16V Rechargeable Battery for safeSEA V200 VHF	723S-04774
Charging Cradle for V200 VHF (no adapter)	723S-04775
Passive Cradle for V200 VHF	723S-06010
Antenna for V200 VHF	723S-04776
Lanyard for V200 VHF	723S-04777
Belt Clip for V200 VHF	723S-04778

## 8. WARRANTY INFORMATION

### 8.1 Global Limited Warranty

The limited warranties in the global limited warranty are exclusive and in lieu of all other warranties express or implied or statutory, including any liability arising under any warranty of merchantability or fitness for a particular purpose, statutory or otherwise. This warranty gives the owner specific legal rights, which may vary from jurisdiction to jurisdiction.

In no event shall Ocean Signal Ltd. or its affiliates be liable for any incidental, special, indirect or consequential damages, whether resulting from the use, misuse, inability to use, improper reliance on, or from any defects in the product. Some jurisdictions do not allow the exclusion on incidental or consequential damages, so the above limitation may not apply to you.

The Global Limited Warranty does not affect a customer's rights against a retailer arising from a sales/purchase contract.

Product repaired or replaced under warranty will be warranted only for the remaining balance of the applicable original warranty period.

Subject to the terms, conditions, limitations and exclusions in the Global Limited Warranty, all Ocean Signal Products are warranted to be free from defects in material or workmanship for a period of two (2) years from the date the Product was purchased by the Original Customer (the "Standard Limited Warranty Period"). During this period and for the Original Customer only, Ocean Signal will, at its sole discretion, repair or replace any components that fail in normal use, which, in the absence of any applicable law to the contrary, shall be the customer's sole and exclusive remedy for any breach of warranty.

If the Standard Limited Warranty applies to you, Ocean Signal will not charge you for parts or labour for warranty repairs or replacements. However, the cost of transporting your warranted Product to Ocean Signal for repair or replacement is your responsibility and is not covered by Ocean Signal.

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