Reliable MF/HF Radiotelephone for general and distress communications with integrated DSC/DSC Watch Receiver

- MF/HF radiotelephone with DSC facility
- Fully meets GMDSS carriage requirements for SOLAS ships operating in A2, A3 and A4 sea areas
- High-contrast 4.3" bright color LCD (480x272 pixels)
- Capable of distress, safety and routine communication
- Instant selection of 256 user-specified channels with a rotary knob or direct keypad input
- Quick access to DSC message composition by dedicated keys on the control unit
- Full-duplex kit available (optional supply for the FS-5075 only)
- Quick access to dedicated functions in the menu operation using numeric keypad
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FS-1575 (150 W)
FS-2575 (250 W)
FS-5075 (500 W)

On the menu setting, three quick-access functions can be assigned for 1, 4 and 7 on the numeric keypad, and those assigned functions are displayed on the Radiotelephone display. The list of functions assigned for quick-access includes: TX frequency setting, RX frequency setting, class of emission setting, AGC setting, output power setting, TX frequency monitoring, showing the list of test messages, showing the list of message files, execution of daily test, showing the list of log files, and intercom functions.

Display Modes

**1 Status segment**
Indicating the status of equipment, i.e., speaker ON/OFF, unread DSC message in the inbox, hardware error, etc. Also, MMSI is shown in radiotelephone and DSC scan displays.

**2 Information segment**
Displaying:
1. user channel selected
2. operating frequencies
3. class of emission, AGC, output power and communication mode
4. signal strength, meter reading (IC, VC, RF, VS and IA (antenna current))
5. currently activated functions, i.e., noise blanker, etc.
6. short-cut functions assigned for 1, 4 and 7 on the numeric keypad
7. own ship L/L, Time
8. indications of RF input attenuator ON/OFF as well as RF gain

**2 Information segment**
Displaying:
1. DSC watch frequencies (both distress and routine)
2. own ship L/L, Time
3. indications of RF input attenuator ON/OFF as well as RF gain

**3 Tab segment**
Up to 7 active procedures can be displayed in this segment. The procedures are for operating: radiotelephone, distress alert transmission, distress alert reception, general DSC message transmission and general DSC message reception.
### Night Mode

Night mode is selectable for wheelhouse operation.

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### DSC display

1. **Status segment**
   - Indicating status of equipment, i.e., speaker ON/OFF, unread DSC message in the inbox, hardware error, etc., TX/RX frequencies/class of emission for successive communication.

2. **Information segment**
   - Displaying:
     1. DSC contents, status and information
     2. A list of available operator actions
     3. Indications of RF input attenuator ON/OFF as well as RF gain

### Menu display

1. **Information segment**
   - Displaying menu tree

2. **Guide segment**
   - Guide to short-cut key functions is displayed.

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F1, F2 and F3 on the menu represent the functions assigned for 1, 4 and 7 on the numeric keypad, respectively.
## Simplified menu operation

Numbers are assigned for each of the menu items, and the operator can access each of the menu items either by turning and pressing the **PUSH TO ENTER knob** to select menu items or simply pressing number on the numeric keypad.

<table>
<thead>
<tr>
<th>Menu Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>Volume/Power knob: Sound volume control/ Switching of Power ON/OFF</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>RF GAIN knob: Adjustment of reception gain&lt;br&gt;<strong>PUSH TO ATT:</strong> Press to activate/deactivate RF attenuator</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td><strong>DISTRESS:</strong> Long-press to transmit a DSC distress alert&lt;br&gt;<strong>OTHER DSC MSG</strong>&lt;br&gt;<strong>Press DISTRESS + OTHER DSC MSG:</strong> Composition of DSC message for distress alert&lt;br&gt;<strong>Press DISTRESS + OTHER DSC MSG:</strong> Composition of DSC message except for distress alert and DROBOSE (DSC relay on behalf of someone else*)</td>
</tr>
<tr>
<td><strong>4</strong></td>
<td><strong>BRILL:</strong> Activation of the brilliance control dialog box&lt;br&gt;<strong>TAB:</strong> Activation of tab segment control on the screen&lt;br&gt;<strong>MENU + CANCEL:</strong> Opening/closing of the menu dialog box&lt;br&gt;<strong>DC:</strong> Deactivates alarm/deletion of error and pop-up messages/halting of DSC message composition/returning from the message composition dialog box/distress cancellation/returning to a previous menu level&lt;br&gt;<strong>Switch the speaker ON/OFF</strong></td>
</tr>
<tr>
<td><strong>5</strong></td>
<td><strong>PUSH TO ENTER knob:</strong> Shifts the selector and pointer/ adjusts the degree of parameter, i.e., brilliance and switch over the display mode&lt;br&gt;<strong>Press to confirm the entered values</strong></td>
</tr>
</tbody>
</table>
| **6** | **SCAN**<br>**2182:** Switches to the DSC SCAN mode/ if pressed during the DSC SCAN mode, routine scan will be halted<br>**RT/CH**<br>**1:** Sets to 2182 kHz SSB<br>**2:** Switches to radiotelephone mode, and if pressed in radiotelephone mode, channel setting box will be summoned<br>**3:** Used to enter the following number and symbols ( . @ _ / : 1 ) as well as quick access to short cut function<br>**4:** Used to enter A, B, C and 2, and to switch noise blanker setting ON/OFF<br>**5:** Used to enter D, E, F and 3, and to switch squelch setting ON/OFF<br>**6:** Used to enter G, H, I and 4 as well as quick access to short cut function<br>**7:** Used to enter J, K, L and 5, and to switch noise reduction setting ON/OFF<br>**8:** Used to enter M, N, O and 6<br>**9:** Used to enter P, Q, R, S and 7 as well as quick access to short cut function<br>**NF:** Used to enter T, U, V and 8, and to switch notch filter ON/OFF<br>**9:** Used to enter W, X, Y, Z and 9<br>**< C:** Used to reduce the receiver volume of the handset/ to shift the pointer in channel/ frequency selection dialog box<br>**< C:** Used to enter the number “0”, space and the following symbols ( ! “ # $ % & ‘ ( ) * + , - . / : ; < = > ? [ \ ] ^ - ‘ { } ~ )/ to tune impedance between an antenna and a transceiver<br>**PUSH TO TUNE:** Used to raise the receiver volume of the handset/ to shift the pointer in channel/ frequency selection dialog box * composition and relay of the occurrence of a distress event obtained by non-DSC means
**SPECIFICATIONS**

**MODEL**
FS-1575  
FS-2575  
FS-5075

**PRODUCT NAME**
SSB RADIOTELEPHONE

### GENERAL CHARACTERISTICS

**Rules and Regulations**

**Frequency Range**
TX: 1605.0kHz to 27500.0kHz  
RX: 100kHz to 29999.99kHz

**Number of Channels**
256 user-specified channels plus ITU, SSB/TELEX channels

**Communication Mode**
Simplex/Semi-duplex/Simplex/Duplex/Duplex (option)

### TRANSCEIVER

**RF Output Power**
150 W pep  
250 W pep  
500 W pep (HF) / 400 W pep (MF)

**Antenna**
10-18 m whip or wire

**Receiver Sensitivity**
less than +7 dBµV (4.0-29.99999 MHz, J3E) / less than +13 dBµV (1.6-4 MHz, J3E)

### DSC

**Class of Emission**
J3E, H3E, A1A, J2B

**Frequency**
DSC distress/safety frequencies: 2187.5 kHz, 4207.5 kHz, 6312.0 kHz, 8414.5 kHz, 12577.0 kHz, 16804.5 kHz

**Message Storage**
50 distress messages, plus 50 non-distress messages

### POWER SUPPLY

24 VDC, 100/110/120/200/220/240 VAC with optional AC/DC Power Supply PR-850A (FS-2575/5075) / PR-300 (FS-1575)

### INTERCONNECTION DIAGRAM

- **TX** (duplex)* or RX (duplex)*  
- **DSC Distress Safety**  
- **SSB Radiotelephone**

### EQUIPMENT LIST

**Standard**
1 Transceiver Unit  
1 Control Unit  
6 BK Interface  
5 NBDP Terminal Unit  
4 Antenna Coupler  
8.19" WTK  
10 Matching Box  
11 Preamp  
12 WR2 Kit  
1 Printer Interface

**Option**
1 Printer  
1 Printer Interface  
External Speaker  
Control Unit  
Antenna Coupler  
Full Duplex Kit  
Matching Box  
Preamp  
WR2 Kit  

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