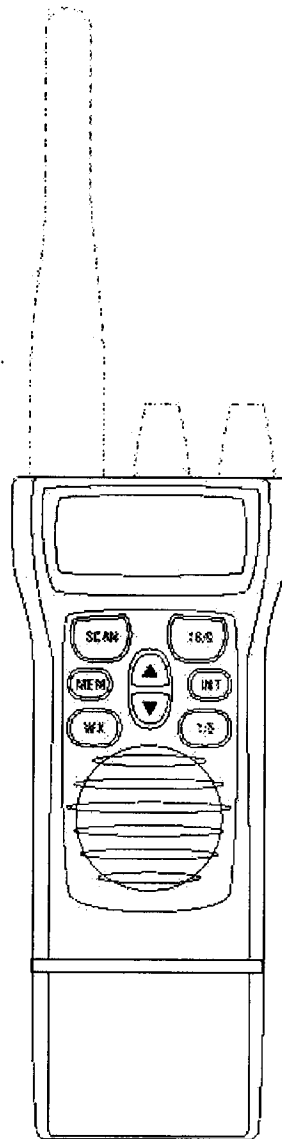


User Manual

DRAFT COPY OF THE INSTRUCTION MANUAL

OPERATION MANUAL

MODEL : HH985



1. INTRODUCTION

This document is the operating guide of marine radio HH985.

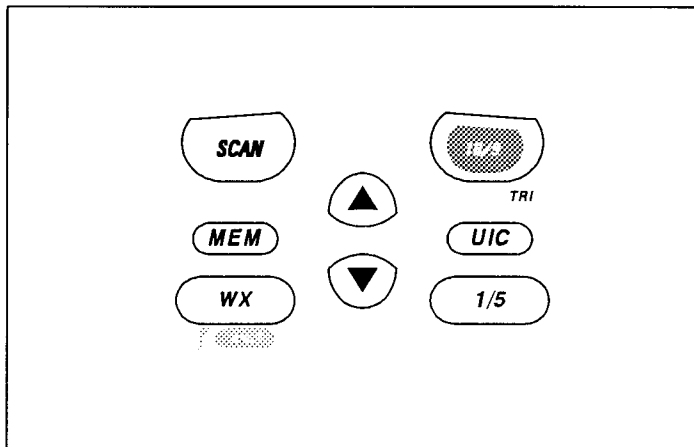
2. FEATURES

- Transmit 54CH, Receive 80CH (FM, 1Watt or 5Watt)
- 10 WX CHANNELS
- 16CH / 9CH On/Off
- USA / INTERNATIONAL / CANADA Mode Select
- BATTERY LEVEL Display
- MEMORY CH SCAN On/Off
- WX ALERT On/Off
- TRIPLE WATCH On/Off
- CHANNEL Select (UP/DOWN switch)
- LCD BACK LIGHT On/Off
- KEY LOCK On/Off
- Battery SAVE
- NWR-SAME On/Off
- FIPS Code registration
- CH Indicator Invert function

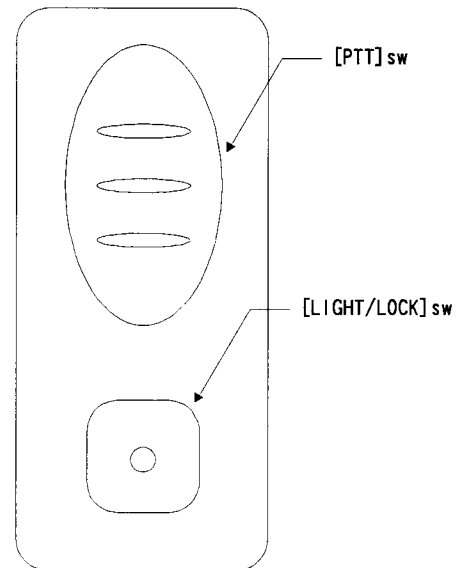
3. KEYS LAYOUT

*

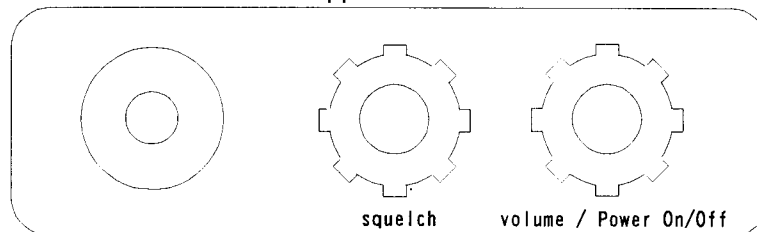
FRONT PANEL



SIDE PANEL



Upper PANEL



4. CONTROLS

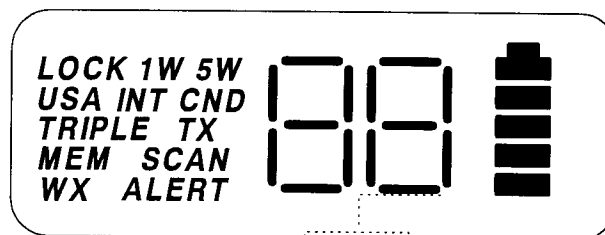
a) ROTARY KNOB

| | | |
|-------------|---------------------|-------------------|
| [SQUELCH] | SQUELCH Adjust knob | |
| [VOLUME] | VOLUME Adjust knob | POWER On/Off knob |

b) PUSH SWITCH

| | | |
|--------------------|--|----------------------------|
| [SCAN] | SCAN On/Off switch | |
| [MEM] | MEMORY On/Off switch | |
| [UIC] | USA / INTERNATIONAL / CANADA Select switch | |
| [16 / 9 TRI] | CALL EMG 16CH / 9CH switch | TRIPLE WATCH On/Off switch |
| [WX ALERT] | WX CH On/Off switch | WX ALERT On/Off switch |
| [UP(▲), [DOWN(▼)] | CH Up/Down | UP/DOWN Auto Repeat |
| [LIGHT LOCK] | LIGHT On/Off switch | KEY LOCK switch |
| [PTT] | Push To Talk switch | |
| [1/5] | TX Power reduced / full | |

5. LCD DISPLAY PANEL



- | | | |
|----------------|--|--|
| • TX | Indicates the TX Mode | |
| • BATT Level | 5Levels bar graph (Battery Level Meter) | |
| • CH Indicator | Displays TX / RX CH No. NWR-SAME Alert Level | |
| • TRIPLE | Indicates the TRIPLE WATCH Mode | |
| • USA | Indicates the USA Mode | |
| • INT | Indicates the INTERNATIONAL Mode | |
| • CND | Indicates the CANADA Mode | |
| • SCAN | Indicates the SCAN Mode | |
| • MEM | Indicates the MEMORY CH Mode | |
| • WX | Indicates the WX Mode | |
| • ALERT | Indicates the WX ALERT Mode | |
| • 1W | Indicates the TX Power is 1Watt Mode | |
| • 5W | Indicates the TX Power is 5Watt Mode | |
| • LOCK | Indicates the KEY LOCK Mode | |

6. TONES

- KEY TOUCH Tone (1st Key)
- KEY TOUCH Tone (Push and Hold Key)
- ERROR Tone
- PTT ERROR Tone
- WX ALERT Beep Tone
- TX TIME OUT Tone
- NWR-SAME LV1 ALERT Beep Tone

- NWR-SAME LV2 ALERT Beep Tone

- NWR-SAME LV3 ALERT Beep Tone

- NWR-SAME LV4 ALERT Beep Tone

*WX ALERT Beep Tone/NWR-SAME ALERT Beep Tone : Sounds with fixed level
Other Tone : Variable by the Volume control

7. RECEIVING

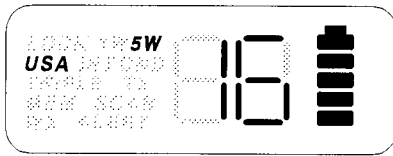
- A. When the power is turned on. Set the channel to desired channel by the up and down switch.
- B. Adjust the squelch control clockwise until the background noise just disappears. This is the proper squelch setting and the control should not be rotated beyond this point or receiver sensitivity will be degraded.
- C. When the message is received, adjust the volume control to the desired listening level.

8. TRANSMITTING

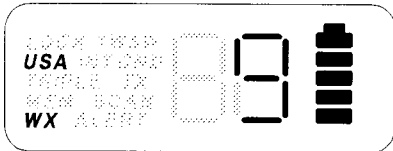
- A. When the power is turned on, the transmitter is set for 5Watts(except for USA Channels 13 and 67). The 5W indicator will appear on the LCD panel, indicating 5Watt out put power. In order to comply with FCC Regulations contained in 47 CFR 80.125(g)(3), USA Channels 13 and 67 transmit at 1Watt regardless of the 1/5 selector setting. However, 5Watt output power for emergency use is available by pressing 1/5 while pressing the press-to-talk switch. When pressing the 1/5 switch again, the radio returns to the 1Watt position.
- B. To switch to the 1Watt position, Press 1/5. The 1W indicator will appear on the LCD Panel, The 1W position should always be used for in-port or short range communications
- C. Press 1/5 to switch to the 5Watt position. The 5W indicator will appear on the LCD Panel.
- D. To activate the transmitter, press the press-to-talk switch. The TX indicator will appear on the LCD Panel, indicating a signal is being transmitted. Release the switch to receive. When transmitting, hold the radio approximately two inches from your mouth and speak clearly in a normal voice.
- E. You cannot transmit on weather Channels 0-9 or marine channels 02,04,15,60,62,70,81 and 83. The Channel Number on the LCD Panel will blink to indicate these channels are "receive-only".

9. OTHER SWITCH / INDICATION

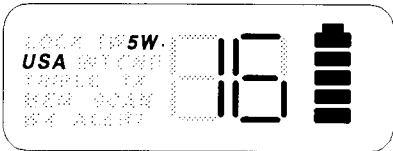
A. Weather alert :



press [WX|ALERT] switch



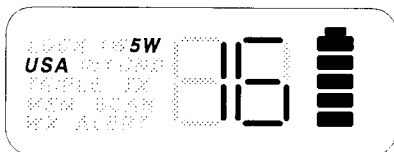
press [WX|ALERT] switch
again



Note : When press the [WX|ALERT] switch

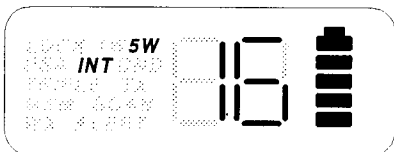
1. press [WX|ALERT] switch during "SCAN" at MRN mode : Changed to WX mode, and SCAN off.
2. press [WX|ALERT] switch at EMG 16CH/9CH Mode : Changed to WX mode.
3. press the [WX|ALERT] switch during sounds the "WX ALERT" : No change.

b. USA / INTERNATIONAL / CANADA



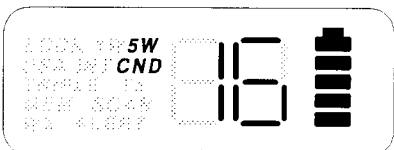
USA Mode

press[UIC] switch



INTERNATIONAL Mode

press[UIC] switch again

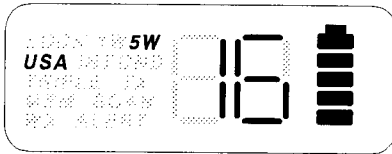


CANADA Mode

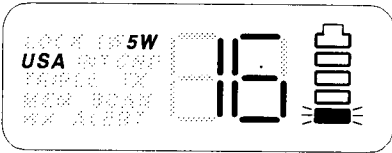
Note: When pressed [UIC]switch.

MRN channel : "16" of the Initial value.
 SCAN,TRIPLE WATCH,EMG9CH/16CH,WX mode : Released
 WX channel : "1" of the Initial value.
 WX ALERT:OFF

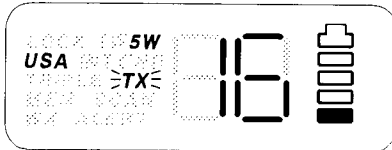
C. Battery level indicator



full (LEVEL 5)



empty (LEVEL 0)



pressed [PTT] switch at empty condition

10. BACK UP Functions

| No. | FUNCTION | CONDITION |
|-----|---------------|------------------------|
| 1 | MRN CHANNEL | no |
| 2 | WX CHANNEL | Yes (Previous setting) |
| 3 | WX MODE | no |
| 4 | WX ALERT | no |
| 5 | CH Mode | Yes (Previous setting) |
| 6 | SCAN | no |
| 7 | TRIPLE Watch | no |
| 8 | KEY LOCK | no |
| 9 | BACK LIGHT | no |
| 10 | TX POWER | Yes (Previous setting) |
| 11 | CH Indicator | no |
| 12 | 9CH/16CH Mode | no |
| 13 | MEMORY CH | Yes (Previous setting) |
| 14 | FIPS Code | Yes (Previous setting) |

11. FREQUENCY LIST

(MRN BAND) note : 1W = TX 1W only / DUP = RX Duplex CH / INH = RX and TX inhibit

| MODE | USA | | MODE | INT | | MODE | CAN | | MODE |
|-------|--------------|--------------|------|--------------|--------------|------|--------------|--------------|------|
| CH NO | TX FRQ.(MHz) | RX FRQ.(MHz) | note | TX FRQ.(MHz) | RX FRQ.(MHz) | note | TX FRQ.(MHz) | RX FRQ.(MHz) | note |
| 01 | 156.050 | 156.050 | | 156.050 | 160.650 | DUP | 156.050 | 160.650 | DUP |
| 02 | | | INH | 156.100 | 160.700 | DUP | 156.100 | 160.700 | DUP |
| 03 | 156.150 | 156.150 | | 156.150 | 160.750 | DUP | 156.150 | 160.750 | DUP |
| 04 | | | INH | 156.200 | 160.800 | DUP | 156.200 | 156.200 | |
| 05 | 156.250 | 156.250 | | 156.250 | 160.850 | DUP | 156.250 | 156.250 | |
| 06 | 156.300 | 156.300 | | 156.300 | 156.300 | | 156.300 | 156.300 | |
| 07 | 156.350 | 156.350 | | 156.350 | 160.950 | DUP | 156.350 | 156.350 | |
| 08 | 156.400 | 156.400 | | 156.400 | 156.400 | | 156.400 | 156.400 | |
| 09 | 156.450 | 156.450 | | 156.450 | 156.450 | | 156.450 | 156.450 | |
| 10 | 156.500 | 156.500 | | 156.500 | 156.500 | | 156.500 | 156.500 | |
| 11 | 156.550 | 156.550 | | 156.550 | 156.550 | | 156.550 | 156.550 | |
| 12 | 156.600 | 156.600 | | 156.600 | 156.600 | | 156.600 | 156.600 | |
| 13 | 156.650 | 156.650 | 1W | 156.650 | 156.650 | | 156.650 | 156.650 | 1W |
| 14 | 156.700 | 156.700 | | 156.700 | 156.700 | | 156.700 | 156.700 | |
| 15 | RX ONLY | 156.750 | | 156.750 | 156.750 | | 156.750 | 156.750 | 1W |
| 16 | 156.800 | 156.800 | | 156.800 | 156.800 | | 156.800 | 156.800 | |
| 17 | 156.850 | 156.850 | | 156.850 | 156.850 | | 156.850 | 156.850 | 1W |
| 18 | 156.900 | 156.900 | | 156.900 | 161.500 | DUP | 156.900 | 161.500 | DUP |
| 19 | 156.950 | 156.950 | | 156.950 | 161.550 | DUP | 156.950 | 161.550 | DUP |
| 20 | 157.000 | 157.000 | | 157.000 | 161.600 | DUP | 157.000 | 161.600 | D,1 |
| 21 | 157.050 | 157.050 | | 157.050 | 161.650 | DUP | 157.050 | 157.050 | |
| 22 | 157.100 | 157.100 | | 157.100 | 161.700 | DUP | 157.100 | 157.100 | |
| 23 | 157.150 | 157.150 | | 157.150 | 161.750 | DUP | 157.150 | 161.750 | DUP |
| 24 | 157.200 | 161.800 | DUP | 157.200 | 161.800 | DUP | 157.200 | 161.800 | DUP |
| 25 | 157.250 | 161.850 | DUP | 157.250 | 161.850 | DUP | 157.250 | 161.850 | DUP |
| 26 | 157.300 | 161.900 | DUP | 157.300 | 161.900 | DUP | 157.300 | 161.900 | DUP |
| 27 | 157.350 | 161.950 | DUP | 157.350 | 161.950 | DUP | 157.350 | 161.950 | DUP |
| 28 | 157.400 | 162.000 | DUP | 157.400 | 162.000 | DUP | 157.400 | 162.000 | DUP |
| 60 | | | INH | 156.025 | 160.625 | DUP | 156.025 | 160.625 | DUP |
| 61 | 156.075 | 156.075 | | 156.075 | 160.675 | DUP | 156.075 | 156.075 | |
| 62 | | | INH | 156.125 | 160.725 | DUP | 156.125 | 156.125 | |
| 63 | 156.175 | 156.175 | | 156.175 | 160.775 | DUP | | | INH |
| 64 | 156.225 | 156.225 | | 156.225 | 160.825 | DUP | 156.225 | 156.225 | |
| 65 | 156.275 | 156.275 | | 156.275 | 160.875 | DUP | 156.275 | 156.275 | |
| 66 | 156.325 | 156.325 | | 156.325 | 160.925 | DUP | 156.325 | 156.325 | |
| 67 | 156.375 | 156.375 | 1W | 156.375 | 156.375 | | 156.375 | 156.375 | |
| 68 | 156.425 | 156.425 | | 156.425 | 156.425 | | 156.425 | 156.425 | |
| 69 | 156.475 | 156.475 | | 156.475 | 156.475 | | 156.475 | 156.475 | |
| 70 | RX ONLY | 156.525 | | RX ONLY | 156.525 | | RX ONLY | 156.525 | |
| 71 | 156.575 | 156.575 | | 156.575 | 156.575 | | 156.575 | 156.575 | |
| 72 | 156.625 | 156.625 | | 156.625 | 156.625 | | 156.625 | 156.625 | |
| 73 | 156.675 | 156.675 | | 156.675 | 156.675 | | 156.675 | 156.675 | |
| 74 | 156.725 | 156.725 | | 156.725 | 156.725 | | 156.725 | 156.725 | |
| 77 | 156.875 | 156.875 | | 156.875 | 156.875 | | 156.875 | 156.875 | |
| 78 | 156.925 | 156.925 | | 156.925 | 161.525 | DUP | 156.925 | 156.925 | |
| 79 | 156.975 | 156.975 | | 156.975 | 161.575 | DUP | 156.975 | 156.975 | |
| 80 | 157.025 | 157.025 | | 157.025 | 161.625 | DUP | 157.025 | 157.025 | |
| 81 | RX ONLY | 157.075 | | 157.075 | 161.675 | DUP | 157.075 | 157.075 | |
| 82 | 157.125 | 161.725 | DUP | 157.125 | 161.725 | DUP | 157.125 | 157.125 | |
| 83 | RX ONLY | 157.175 | | 157.175 | 161.775 | DUP | 157.175 | 157.175 | |
| 84 | 157.225 | 161.825 | DUP | 157.225 | 161.825 | DUP | 157.225 | 161.825 | DUP |
| 85 | 157.275 | 161.875 | DUP | 157.275 | 161.875 | DUP | 157.275 | 161.875 | DUP |
| 86 | 157.325 | 161.925 | DUP | 157.325 | 161.925 | DUP | 157.325 | 161.925 | DUP |
| 87 | 157.375 | 161.975 | DUP | 157.375 | 161.975 | DUP | 157.375 | 161.975 | DUP |
| 88 | 157.425 | 157.425 | | 157.425 | 162.025 | DUP | 157.425 | 162.025 | DUP |

(WX BAND) (USA/INTERNATIONAL/CANADA)

| CH NO. | TX FRQ.(MHz) | RX FRQ.(MHz) |
|--------|--------------|--------------|
| 1 | RX ONLY | 162.550 |
| 2 | RX ONLY | 162.400 |
| 3 | RX ONLY | 162.475 |
| 4 | RX ONLY | 162.425 |
| 5 | RX ONLY | 162.450 |
| 6 | RX ONLY | 162.500 |
| 7 | RX ONLY | 162.525 |
| 8 | RX ONLY | 161.650 |
| 9 | RX ONLY | 161.775 |
| 0 | RX ONLY | 163.275 |

Technical Support and Service:

Your Uniden dealer can provide you with technical assistance and information. If your marine radio does not perform properly, take it to a Uniden dealer for servicing. The radio contains no user-serviceable parts. Unauthorized adjustment will void the warranty and may cause illegal radio operation. Be sure that a qualified technician services your radio equipment.

Caution:

Changes or modifications to this product not expressly approved by Uniden, or operation of this product in any way other than as detailed by this Operating Guide, can void your authority to operate this product.

12. NWR-SAME Alert LEVEL

| Event Code | Standard | UT871ZL | | | | |
|----------------------------------|----------|-------------|-----------|---------------|----------|--------|
| | | Warning(A1) | Watch(A2) | Statement(A3) | Test(A4) | Ignore |
| Administrative Message | ADR | | | | | ○ |
| Avalanche Warning | AWW | ○ | | | | |
| Avalanche Watch | AVA | | ○ | | | |
| Blizzard Warning | BZW | ○ | | | | |
| Civil Danger Warning | CDW | ○ | | | | |
| Civil Danger Watch | CDA | | ○ | | | |
| Civil Emergency Message | CEM | ○ | | | | |
| Coastal Flood Warning | CFW | ○ | | | | |
| Coastal Flood Watch | CFA | | ○ | | | |
| Emergency Action Notification | EAN | ○ | | | | |
| Emergency Action Termination | EAT | ○ | | | | |
| Fire Warning | FRW | ○ | | | | |
| Flash Flood Statement | FFS | | | ○ | | |
| Flash Flood Warning | FFW | ○ | | | | |
| Flash Flood Watch | FFA | | ○ | | | |
| Flood Statement | FLS | | | ○ | | |
| Flood Warning | FLW | ○ | | | | |
| Flood Watch | FLA | | ○ | | | |
| Hazardous Material Warning | HMW | ○ | | | | |
| Hazardous Material Watch | HMA | | ○ | | | |
| High Wind/Dust Storm Warning | HWW | ○ | | | | |
| High Wind/Dust Storm Watch | HWA | | ○ | | | |
| Hurricane Statement | HLS | | | ○ | | |
| Hurricane/Tropical Storm Warning | HUW | ○ | | | | |
| Hurricane/Tropical Storm Watch | HUA | | ○ | | | |
| Immediate Evacuation Notice | EVI | ○ | | | | |
| Immediate Evacuation Warning | IEW | ○ | | | | |
| Law Enforcement Warning | LEW | ○ | | | | |
| Local Area Emergency | LAE | ○ | | | | |
| National Hazard Warning | NHW | ○ | | | | |
| National Information Center | NIC | ○ | | | | |
| National Periodic Test | NPT | | | | ○ | |
| Network Message Notification | NMN | | | | | ○ |
| Radiological Hazard Warning | RHW | ○ | | | | |
| Radiological Hazard Watch | RHA | | ○ | | | |
| Required Monthly Test | RMT | | | | ○ | |
| Required Weekly Test | RWT | | | | ○ | |
| Service Thunderstorm Warning # | SVW | ○ (& SVR) | | | | |
| Service Thunderstorm Watch | SVA | | ○ | | | |
| Service Weather Statement | SVS | | | ○ | | |
| Shelter In Place Warning | SPW | ○ | | | | |
| Special Marine Warning | SMW | ○ | | | | |
| Special Weather Statement | SPS | | | ○ | | |
| System Demonstration/Practice | DMO | | | | ○ | |
| Tornado Warning # | TOW | ○ (& TOR) | | | | |
| Tornado Watch | TOA | | ○ | | | |
| Transmitter Backup On | TXB | | | | | ○ |
| Transmitter Primary On | TXP | | | | | ○ |
| Transmitter Radiate Off | TXF | | | | | ○ |
| Transmitter Radiate On | TXO | | | | | ○ |
| Tsunami Warning | TSW | ○ | | | | |
| Tsunami Watch | TSA | | ○ | | | |
| Unrecognizable PIL | ACE | ○ | | | | |
| Volcano Warning | VOW | ○ | | | | |
| Volcano Watch | VOA | | ○ | | | |
| Winter Storm Warning | WSW | ○ | | | | |
| Winter Storm Watch | WSA | | ○ | | | |