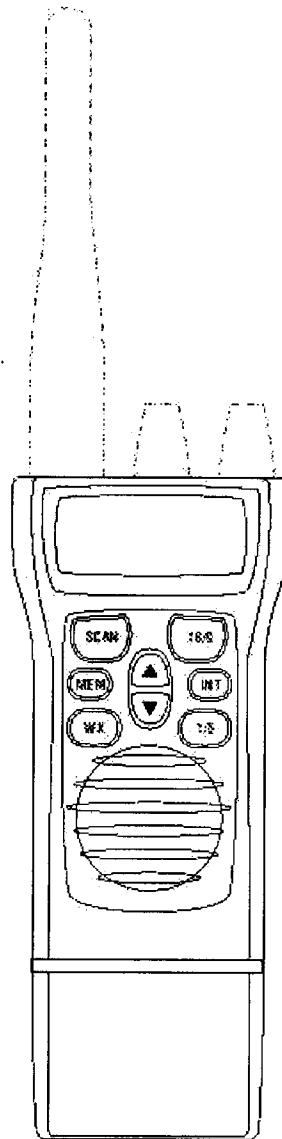


User Manual

DRAFT COPY OF THE INSTRUCTION MANUAL

OPERATION MANUAL

MODEL : HH985



1. INTRODUCTION

This document is the operating guide of marine radio HH985.

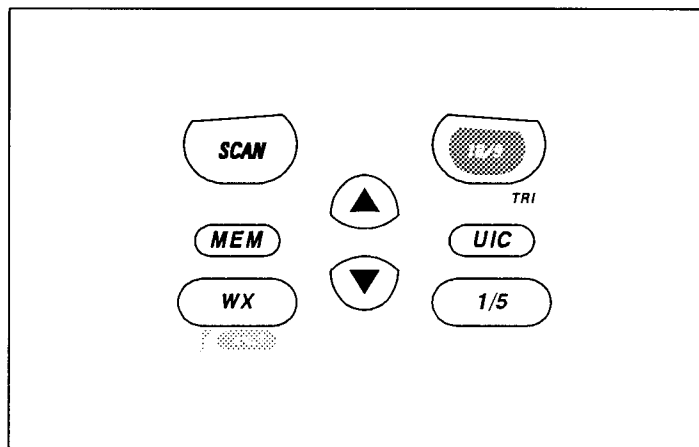
2. FEATURES

- 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

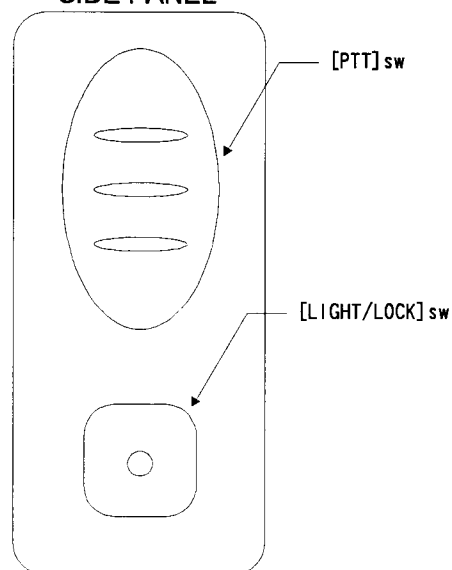
3. KEYS LAYOUT

*

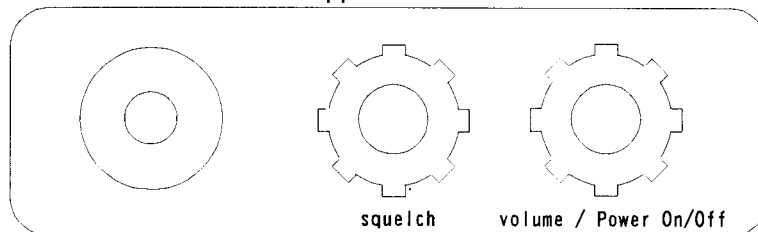
FRONT PANEL



SIDE PANEL



Upper PANEL



4. CONTROLS

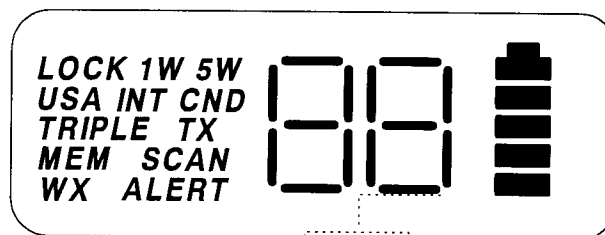
a) ROTARY KNOB

[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	

BATT. LEVEL

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

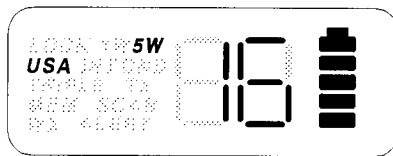
- A. When the power is turned on. Set the channel to desired channel by the up and down switch.
- B. Adjust the squelch control clockwise until the background noise just disappears. This is the proper squelch setting and the control should not be rotated beyond this point or receiver sensitivity will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

8. TRANSMITTING

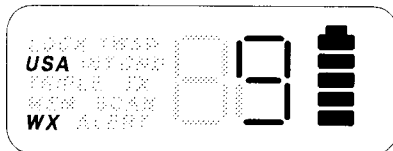
- A. When the power is turned on, the transmitter is set for 5Watts(except for USA Channels 13 and 67). The 5W indicator will appear on the LCD panel, indicating 5Watt out put power. In order to comply with FCC Regulations contained in 47 CFR 80.125(g)(3), USA Channels 13 and 67 transmit at 1Watt regardless 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

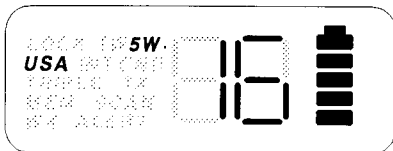
A. Weather alert :



press [WX|ALERT] switch



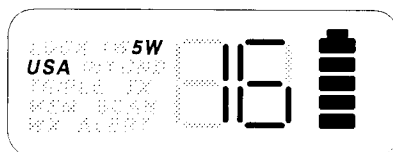
press [WX|ALERT] switch
again



Note : When press the [WX|ALERT] switch

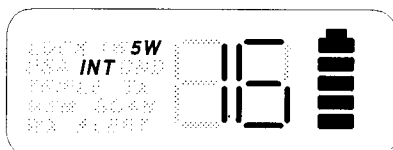
1. press [WX|ALERT] switch during "SCAN" at MRN mode : Changed to WX mode, and SCAN off.
2. press [WX|ALERT] switch at EMG 16CH/9CH Mode : Changed to WX mode.
3. press the [WX|ALERT] switch during sounds the "WX ALERT" : No change.

b. USA / INTERNATIONAL / CANADA



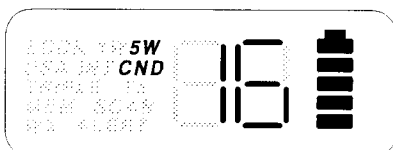
USA Mode

press [UIC] switch



INTERNATIONAL Mode

press [UIC] switch again



CANADA Mode

Note: When pressed [UIC] switch.

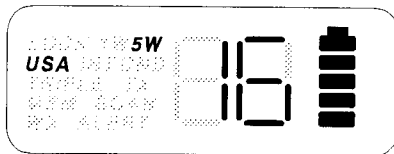
MRN channel : "16" of the Initial value.

SCAN,TRIPLE WATCH,EMG9CH/16CH,WX mode : Released

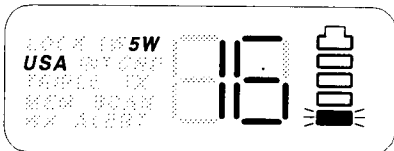
WX channel : "1" of the Initial value.

WX ALERT:OFF

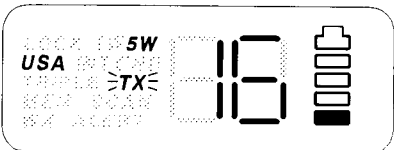
C. Battery level indicator



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	AVW	○				
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		○			