



INSTRUCTION MANUAL

VHF MARINE TRANSCEIVER **IC-M33**

Icom Inc.



DOC



CE versions of the IC-M33 which display the “CE” symbol on the serial number label, comply with the essential requirements of the European Radio and Telecommunication Terminal Directive 1999/5/EC.



This warning symbol indicates that this equipment operates in non-harmonised frequency bands and/or may be subject to licensing conditions in the country of use. Be sure to check that you have the correct version of this radio or the correct programming of this radio, to comply with national licensing requirement.

DECLARATION OF CONFORMITY	
	CE0560 ⓘ
We Icom Inc. Japan 1-1-32, Kamiminami, Hirano-ku Osaka 547-0003, Japan	
Declare on our sole responsibility that this equipment complies the essential requirements of the Radio and Telecommunications Terminal Equipment Directive, 1999/5/EC, and that any applicable Essential Test Suite measurements have been performed.	
Kind of equipment:	VHF MARINE TRANSCEIVER
Type-designation:	IC-M33
Version (where applicable): This compliance is based on conformity with the following harmonised standards, specifications or documents: i) EN 301 178-2 V1.1.1 (2000-8) ii) EN 60945:2002 iii) EN 60950-1:2001 iv) EN 300 698-2 V1.1.1 (2000-8) v) EN 300 698-3 V1.1.1 (2001-5) vi) _____ vii) _____	
Düsseldorf 30th Nov. 2006 Place and date of issue Icom (Europe) GmbH Himmelgeisterstraße 100 D-40225 Düsseldorf Authorized representative name H. Ikegami General Manager Signature Icom Inc.	

• List of Country codes (ISO 3166-1)

	Country	Codes		Country	Codes
1	Austria	AT	18	Liechtenstein	LI
2	Belgium	BE	19	Lithuania	LT
3	Bulgaria	BG	20	Luxembourg	LU
4	Croatia	HR	21	Malta	MT
5	Czech Republic	CZ	22	Netherlands	NL
6	Cyprus	CY	23	Norway	NO
7	Denmark	DK	24	Poland	PL
8	Estonia	EE	25	Portugal	PT
9	Finland	FI	26	Romania	RO
10	France	FR	27	Slovakia	SK
11	Germany	DE	28	Slovenia	SI
12	Greece	GR	29	Spain	ES
13	Hungary	HU	30	Sweden	SE
14	Iceland	IS	31	Switzerland	CH
15	Ireland	IE	32	Turkey	TR
16	Italy	IT	33	United Kingdom	GB
17	Latvia	LV			

IN CASE OF EMERGENCY

If your vessel requires assistance, contact other vessels and the Coast Guard by sending a distress call on Channel 16.

○ **USING CHANNEL 16**

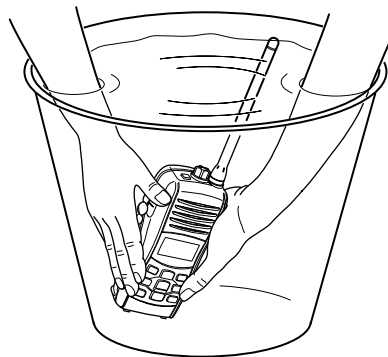
DISTRESS CALL PROCEDURE

1. "MAYDAY MAYDAY MAYDAY."
2. "THIS IS " (name of vessel)
3. Your call sign or other indication of the vessel.
4. "LOCATED AT " (your position)
5. The nature of the distress and assistance required.
6. Any other information which might facilitate the rescue.

RECOMMENDATION

CLEAN THE TRANSCEIVER THOROUGHLY WITH FRESH WATER after exposure to saltwater, and dry it before operation. Otherwise, the transceiver's keys, switches and controllers may become unusable due to salt crystallization.

NOTE: DO NOT wash the transceiver in water if there is any reason to suspect the waterproof protection may not be effective. For example, in cases where the battery pack rubber seal is damaged, the transceiver/battery pack is cracked or broken, or has been dropped, or when the battery pack is detached from the transceiver.



FOREWORD

Thank you for purchasing this Icom radio. The IC-M33 VHF MARINE TRANSCEIVER is designed and built with Icom's state of the art technology and craftsmanship. With proper care this radio should provide you with years of trouble-free operation.

IMPORTANT

READ ALL INSTRUCTIONS carefully and completely before using the transceiver.

SAVE THIS INSTRUCTION MANUAL—This instruction manual contains important operating instructions for the IC-M33.

EXPLICIT DEFINITIONS

WORD	DEFINITION
⚠ DANGER	Personal death, serious injury or an explosion may occur.
⚠ WARNING	Personal injury, fire hazard or electric shock may occur.
CAUTION	Equipment damage may occur.
NOTE	If disregarded, inconvenience only. No risk of personal injury, fire or electric shock.

FEATURES

Submersible construction

Built tough to withstand the punishing marine environment, the transceiver's submersible construction meets IPX7* requirements for waterproof protection (1 meter depth for 30 min.).

* Only when the BP-251 (option) or BP-252, flexible antenna, [SP MIC] cap is attached.

Floating on water

The transceiver floats on fresh or salt water even when the supplied accessories are attached.

- When a third-party battery pack, strap, antenna, etc. is used, it may sink.
- The battery contacts may be prone to rust if the transceiver is kept floating in fresh or salt water.



Large, easy-to-read LCD

With dimensions of 16(H)×32(W) mm, the function display is easy to read and shows operating conditions at a glance. Backlighting and contrast can be adjusted to suit your preferences.

Easy to use, easy to hold

9 large buttons on the front panel provide user-friendly operation. The transceiver weighs only 305 g, and the easy-to-hold rounded body fits comfortably in your hand.

PRECAUTIONS

⚠ WARNING! NEVER connect the transceiver to an AC outlet. This may pose a fire hazard or result in an electric shock.

⚠ WARNING! NEVER hold the transceiver so that the antenna is closer than 2.5 cm from exposed parts of the body, especially the face or eyes, while transmitting. The transceiver will perform best if the microphone is 5 to 10 cm away from the lips and the transceiver is vertical.

NEVER connect the transceiver to a power source other than the BP-251 (option) or BP-252. Such a connection will ruin the transceiver.

DO NOT use or place the transceiver in direct sunlight or in areas with temperatures below -15°C or above $+55^{\circ}\text{C}$.

KEEP the transceiver out of the reach of children.

KEEP the transceiver at least 0.9 meters away from your vessel's magnetic navigation compass.

BE CAREFUL! The transceiver's right-side panel will become hot when operating continuously for long periods.

BE CAREFUL! The transceiver meets IPX7* requirements for waterproof protection. However, once the transceiver has been dropped, waterproof protection cannot be guaranteed because of possible damage to the transceiver's case or the waterproof seal.

* Only when the BP-251 (option) or BP-252, flexible antenna, [SP MIC] cap is attached.

MAKE SURE the flexible antenna and battery pack are securely attached to the transceiver, and that the antenna and battery pack are dry before attachment. Exposing the inside of the transceiver to water will result in serious damage to the transceiver.

After exposure to water, clean the battery contacts thoroughly with fresh water and dry them completely to remove any water or salt residue.

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia and/or other countries.

All other products and brands are registered trademarks or trademarks of their respective holders.

TABLE OF CONTENTS

DOC.....	i
IN CASE OF EMERGENCY	ii
RECOMMENDATION	ii
FOREWORD	iii
IMPORTANT	iii
EXPLICIT DEFINITIONS.....	iii
FEATURES.....	iii
PRECAUTIONS.....	iv
TABLE OF CONTENTS.....	v

1 OPERATING RULES	1
2 SUPPLIED ACCESSORIES AND ATTACHMENTS	2-3
■ Supplied accessories.....	2
■ Attachments	2
3 PANEL DESCRIPTION	4-7
■ Front, top and side panels	4
■ Function display	6
4 BASIC OPERATION	8-13
■ Channel selection	8
■ Receiving and transmitting	10
■ Call channel programming	11
■ Adjusting the volume level	11
■ Volume mute function	11
■ Adjusting the squelch level	12
■ Lock function	12
■ Automatic backlighting	12
■ Monitor function	13
■ AquaQuake water draining function	13

5 SCAN OPERATION (Except Holland version)	14-15
■ Scan types	14
■ Setting TAG channels	15
■ Starting a scan	15
6 DUALWATCH/TRI-WATCH (Except Holland version)	16
■ Description	16
■ Operation	16
7 SET MODE	17-20
■ Set mode programming	17
■ Set mode items	18
8 BATTERY CHARGING	21-24
■ Battery caution	21
■ Supplied battery charger	23
■ Optional battery case.....	23
■ Optional battery charger	24
9 OPTIONAL SPEAKER-MICROPHONE	25
■ HM-165 descriptions	25
■ Attachment	25
10 TROUBLESHOOTING	26
11 VHF MARINE CHANNEL LIST	27-29
12 SPECIFICATIONS.....	30
13 OPTIONS	31

◇ Priorities

- Read all rules and regulations pertaining to priorities and keep an up-to-date copy handy. Safety and distress calls take priority over all others.
- You must monitor Channel 16 when you are not operating on another channel.
- False or fraudulent distress calls are prohibited under law.

◇ Privacy

- Information overheard but not intended for you cannot lawfully be used in any way.
- Indecent or profane language is prohibited.

◇ Radio licenses

(1) SHIP STATION LICENSE

When your craft is equipped with a VHF FM transceiver, you must have a current radio station license before using the transceiver. It is unlawful to operate a ship station which is not licensed.

Inquire through your dealer or the appropriate government agency for a Ship-Radiotelephone license. This license includes the call sign which is your craft's identification for radio purposes.

(2) OPERATOR'S LICENSE

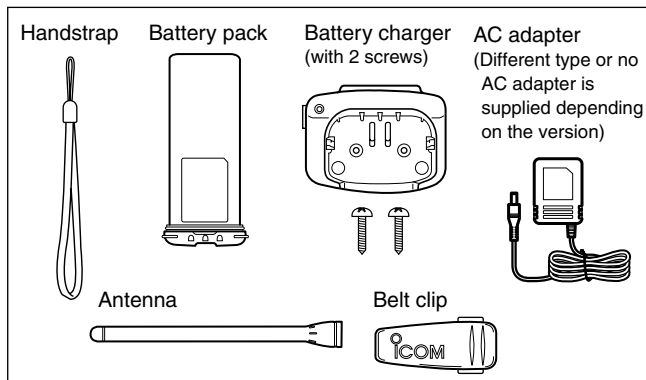
A restricted Radiotelephone Operator Permit is the license most often held by small vessel radio operators when a radio is not required for safety purposes.

The Restricted Radiotelephone Operator Permit must be posted near the transceiver or be kept with the operator. Only a licensed radio operator may operate a transceiver.

However, non-licensed individuals may talk over a transceiver if a licensed operator starts, supervises, ends the call and makes the necessary log entries.

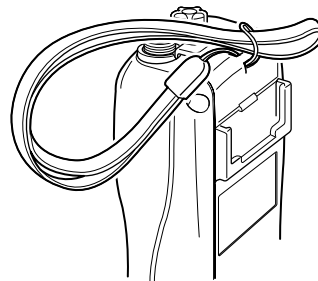
A current copy of the applicable government rules and regulations is only required to be on hand for vessels in which a radio telephone is compulsory. However, even if you are not required to have these on hand it is your responsibility to be thoroughly acquainted with all pertinent rules and regulations.

■ Supplied accessories



◇ Handstrap

Pass the handstrap through the loop on the side of the transceiver as illustrated at right. This facilitates carrying.



◇ Belt clip

Attach/detach the belt clip to the transceiver as illustrated below.

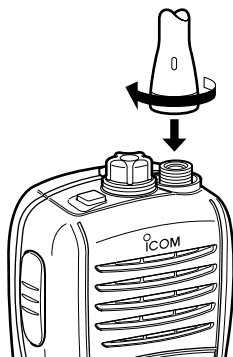
■ Attachments

◇ Flexible antenna

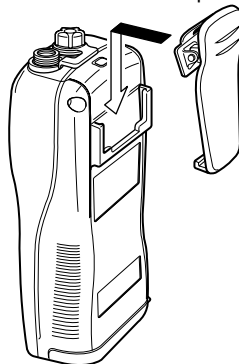
Connect the supplied flexible antenna to the antenna connector.

CAUTION:

- **NEVER** carry the transceiver by holding the antenna.
- Transmitting without an antenna may damage the transceiver.



To attach the belt clip



To detach the belt clip



Be careful!
Not to break your nails.

◆ Battery pack

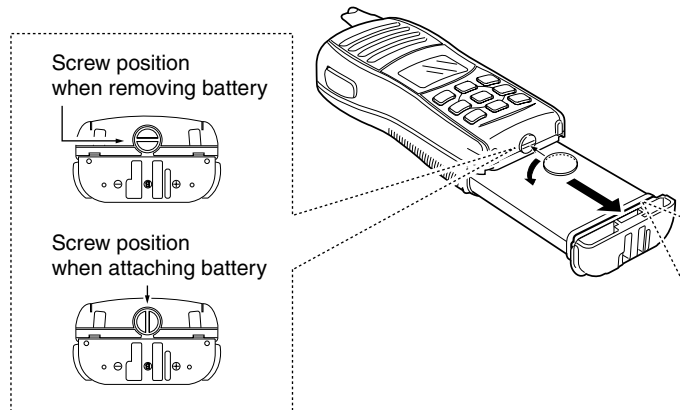
To remove the battery pack:

Turn the screw counterclockwise one quarter turn, then pull the battery pack in the direction of the arrow as shown below.

To attach the battery pack:

Insert the battery pack in the transceiver completely, then turn the screw clockwise one quarter turn.

NEVER remove or insert the battery pack when the transceiver is wet or soiled. This may result water or dust getting into the transceiver/battery pack and may result in the transceiver being damaged.



NOTE: When removing or attaching the battery pack, use a coin or standard screwdriver to loosen or tighten the bottom screw.

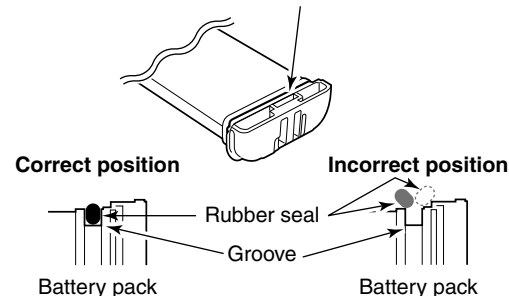
CAUTION:

When attaching or removing a battery pack, make sure the rubber seal is set in the groove of the battery pack correctly. If the seal is not neatly in the groove it may be damaged when attaching the battery pack. If the seal is damaged, waterproof protection is not guaranteed.

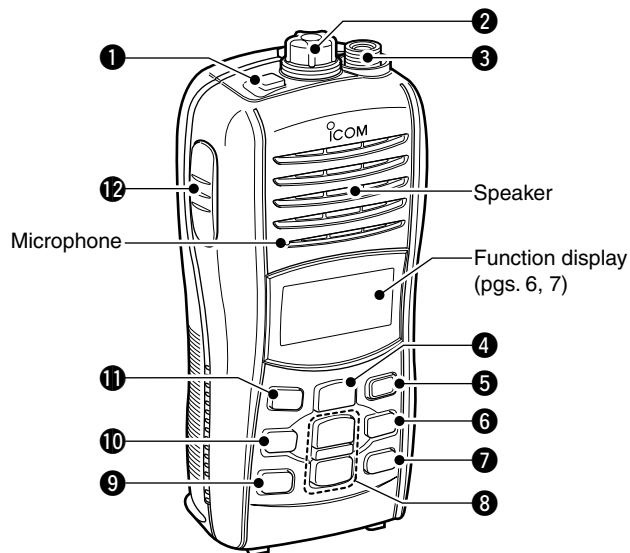
NOTE:

When attaching a battery pack, make sure dust or other material does not adhere to the rubber seal. If dust or other material is on the seal when attaching a battery pack, waterproof protection may be compromised.

Make sure the rubber seal (purple) is properly seated in the groove and dust or other material does not adhere to it.



■ Front, top and side panels



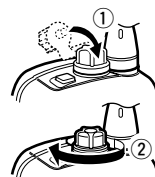
① POWER SWITCH [PWR]

Push and hold to turn power ON and OFF.

② SPEAKER-MICROPHONE CONNECTOR [SP MIC] (p. 25)

Connects the optional external speaker-microphone.

NOTE: Attach the [SP MIC] cap when the optional speaker-microphone is not used. Otherwise, water will get into the transceiver.



① Attach the [SP MIC] cap.

② Then rotate it clockwise completely.

③ ANTENNA CONNECTOR (p. 2)

Connects the supplied antenna.

④ CHANNEL KEY [CH]

- ➡ Selects the regular channel when pushed. (p. 9)
- ➡ Selects the U.S.A.*¹, International, Canadian*² or ATIS*³ channel group when pushed and held for 1 sec. (p. 9)
- ➡ Push to return to the previous channel before selecting Channel 16 or the call channel.

*¹ U.K. and China versions only.

*² China version only.

*³ German and Holland versions only.

Count on us!

< Intended Country of Use >

☐AT ☐BE ☐CY ☐CZ ☐DK ☐EE
☐FI ☐FR ☐DE ☐GR ☐HU ☐IE
☐IT ☐LV ☐LT ☐LU ☐MT ☐NL
☐PL ☐PT ☐SK ☐SI ☐ES ☐SE
☐GB ☐IS ☐LI ☐NO ☐CH ☐BG
☐RO ☐TR ☐HR

A-6545H-1EU-④

Printed in Japan

© 2007–2009 Icom Inc.

Printed on recycled paper with soy ink.

Icom Inc.

1-1-32 Kamiminami, Hirano-ku, Osaka 547-0003, Japan