



# NEW PRODUCT INFORMATION

VHF MARINE TRANSCEIVERS

## IC-M25 (for USA) IC-M25EURO (for Europe)



\* Showing IC-M25EURO version.

Icom proudly announces the debut of the new entry level marine transceiver IC-M25/EURO. The IC-M25/EURO comes in three color variations (metallic gray, pearl white and marine blue) to add a flair of style making the IC-M25/EURO look good with your boating/fishing fashion or on it's own. The 220g lightweight body makes it the lightest floating marine transceiver available, allowing you a feeling of freedom when enjoying watersports. The IC-M25/EURO can be used up to 11 hours with the installed lithium-ion battery and has a Micro-B USB connector for convenient charging. Continuing the legacy from the IC-M24 series, the IC-M25/EURO also floats and flashes when exposed to water. A red LED light flashes through the rear panel for easier retrieval. The radio also floats with the optional waterproof speaker microphone, HM-213, attached. The large LCD and improved keypad provide easy and straightforward operation for anyone.

### MAJOR SELLING POINTS

- Stylish Three Color Variations
- Lightweight and Slim Body
- Float'n Flash
- 11 Hours Long Battery Life
- Micro-B USB connector for Charging
- Large LCD and straightforward User Interface
- 5W RF output and 550mW Audio
- Optional Waterproof Speaker Microphone, HM-213



For illustration purpose only.

## FEATURES

### Stylish Three Color Variations

The IC-M25/EURO has three color variations: metallic gray, pearl white and marine blue. Icom has gone a step further by considering matching of the radio with marine sports-wear or fishing gear. Choose your favorite color in style.

### Lightweight and Slim Body

Its 220g lightweight and 30.5mm slim body is the new benchmark for floating marine transceivers. Feel more freedom when enjoying watersports, or admire its slim and stylish shape which also provides a comfortable grip.

#### Weight and Size Comparison

Products	Icom IC-M25/EURO	Standard Horizon HX300	Cobra HH500	Uniden Atlantis 270
Dimensions	56.6x134.2x30.5mm; 2.23x5.28x1.2in	59x128x33mm; 2.32x5.04x1.3in	67x121x53mm; 2.66x4.75x2.09in	62x136x39mm; 2.44x5.35x1.53in
Weight	220g	240g	272g	240g

\* As of June 2015, researched by Icom.

### Float'n Flash

Continuing the legacy of the IC-M24 series, the IC-M25/EURO floats with a flash of light when dropped in water. Not only does the LCD and key backlight on the front panel flash, but also the red LED light blinks through the rear panel showing the place of the radio for retrieval easier. The IC-M25/EURO floats even when the optional microphone, HM-213, is attached.



### 11 Hours Long Battery Life

The built-in 1500mAh lithium-ion battery provides 5 Watts of transmit power and allows 11 hours (approximate) of long operation\*.

\* Typical operation with Tx (Hi): Rx: standby=5:5:90

### USB Charging

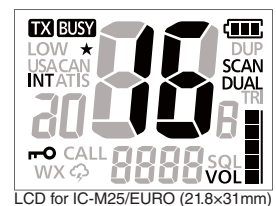
The IC-M25/EURO has a Micro-B USB connector and can be charged with the supplied AC adaptor, BC-217 in 3 hours (approx.). Third party USB charger products such as cigarette lighters or mobile battery for charging smartphones, tablets or digital cameras may be used with the IC-M25/EURO\*.

\* The IC-M25/EURO accepts 5V/1A (Max.) input. Use of third party products is not guaranteed.



### Large LCD and Straightforward User Interface

The IC-M25/EURO's LCD is 30% larger than the IC-M24's and clearly shows large channel number and status icons. The curved shape buttons on the front panel are well laid out and provide simple and straightforward operation. Laser cut buttons also allow for clearer viewing during night time operation.



### 550mW Audio Output and Optional Speaker Microphone

The IC-M25/EURO provides a powerful 550mW (12Ω load) audio output and received voice can be heard loud and clear. The Volume loud and mute functions offer quick adjustment of volume by holding the VOL/SQL button and pushing ▲ or ▼ button. The optional waterproof speaker microphone, HM-213, provides commercial grade operating convenience and durability for leisure and professional users alike.

### Other features

- IPX7 waterproof construction (1m depth of water for 30 minutes)
- Optional waterproof speaker microphone, HM-213
- 4-step battery life indicator
- Weather channel with weather alert (USA version only)
- Dual/Tri-watch functions
- Instant access to Ch 16 or programmable call channel
- Quick channel selection with the Favorite channel function
- Monitor function for noise squelch control with VOL/SQL button
- Auto scan function
- LCD auto backlighting
- AquaQuake™ draining function

## SPECIFICATIONS

The specifications described below are target values. They may be subject to change.

	<b>IC-M25</b> (for USA, EXP versions)	<b>IC-M25EURO</b> (for EUR, UK, FRG, HOL, CHN)	<b>IC-M25EURO</b> (for AUS version)
<b>■ GENERAL</b>			
Frequency range			
TX	156.025–157.425MHz	156.000–161.450MHz*	156.025–157.425MHz
RX	156.050–163.275MHz	156.000–163.425MHz	156.300–162.025MHz
		* 156.000–161.600MHz (HOL version)	
Type of emission	16K0G3E (FM)	16K0G3E (FM)	16K0G3E (FM)
Power supply voltage	3.7V DC	3.7V DC	3.7V DC
Current drain (approx.)			
TX	2.3A/0.9A (5W/1W output)	2.3A/0.9A/0.7A (5/1/0.5W output)	2.3A/0.9A (5W/1W output)
RX AF max. (Ext SP/Int SP)	200mA/300mA typ.	200mA/300mA typ.	200mA/300mA typ.
Power save	6mA typ.	6mA typ.	6mA typ.
Operating temperature range	–20°C to +60°C; –4°F to +140°F	–15°C to +55°C	–10°C to +55°C
Antenna impedance	50Ω	50Ω	50Ω
Dimensions (W×H×D) (projections not included)	56.6×134.2×30.5 mm; 2.23×5.28×1.2 in	56.6×134.2×30.5 mm	56.6×134.2×30.5 mm
Weight (approx.)	220g; 7.8oz (with FA-SC59V and MB-133)	220g (with FA-SC59V and MB-133)	220g (with FA-SC59V and MB-133)
MIC impedance	2kΩ	2kΩ	2kΩ
<b>■ TRANSMITTER</b>			
Output power	5W, 1W	5W, 1W 0.5W (FRG version)	5W, 1W
Max. frequency deviation	±5kHz	±5kHz	±5kHz
Frequency error	±10ppm	±1.5kHz	±10ppm
Spurious emissions	–68dBc typical	0.25μW	0.25μW typical
Adjacent channel power	70dB	70dB	70dB
Audio harmonic distortion	10% (at 60% deviation)	10% (at 60% deviation)	10% (at 60% deviation)
Residual modulation	40dB	40dB	40dB
Audio frequency response	+1dB to –3dB of 6dB octave from 300Hz to 3000Hz	+1dB to –3dB of 6dB octave from 300Hz to 3000Hz	+1dB to –3dB of 6dB octave from 300Hz to 3000Hz
<b>■ RECEIVER</b>			
Intermediate frequency	1st 21.7MHz 2nd 450kHz	1st 21.7MHz 2nd 450kHz	1st 21.7MHz 2nd 450kHz
Sensitivity	0.25μV typical (12dB SINAD)	–6dBμ typical (emf) (20dB SINAD)	–6dBμ typical (emf) (20dB SINAD)
Squelch sensitivity	0.25μV typical (at threshold)	–6dBμ typical (emf) (at threshold)	–6dBμ typical (emf) (at threshold)
Adjacent channel selectivity	70dB typical	70dB	65dB
Spurious response	70dB typical	70dB	65dB
Intermodulation	70dB typical	68dB	65dB
Hum and noise	40dB	40dB	40dB
Audio frequency response	+1dB to –3dB of 6dB octave from 300Hz to 3000Hz	+1dB to –3dB of 6dB octave from 300Hz to 3000Hz	+1dB to –3dB of 6dB octave from 300Hz to 3000Hz
Audio output power (10% distortion)			
External SP (4Ω load)	0.30W typical	0.20W	0.20W
Internal SP (12Ω load)	0.55W typical	0.55W typical (at 1kHz)	0.55W typical (at 1kHz)
	Measurements made in accordance with TIA/EIA 603.	Measurements made in accordance with EN 301 178-2.	Measurements made in accordance with AS/NZS 4415.2-2003.

## OPTIONS

### ■ BATTERY CHARGERS

BC-217SA/SE/SV: USB charger. Charges the built-in BP-282 in 3 hours (approx). **(New)**  
(SA for USA, SE for Europe and SV for Australia)



### ■ SPEAKER-MICROPHONE

HM-213: IPX7 waterproof speaker microphone. **(New)**  
When connected to the IC-M25/EURO, the HM-213 and the radio float in the water.



### ■ BELT CLIP

MB-133: Alligator type. Same as supplied.

### ■ ANTENNA

FA-SC59V: Antenna. Same as supplied.

### ■ BATTERY PACK

BP-282: 3.7V/1500mAh (min.) Li-Ion battery for distributors. **(New)**  
Operating time: 11 hours(approximate). Same as built-in battery pack.  
For battery replacement, please contact your distributor.

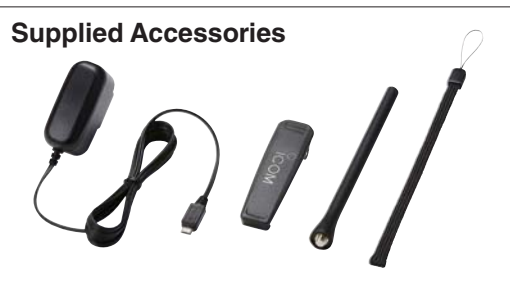


### ■ PROGRAMMING SOFTWARE AND CABLES

CS-M25: Programming software for dealers. Allows quick and simple setting from a PC.  
(Microsoft® Windows® 8.1, Windows® 8, Windows® 7, Windows Vista®).

+ OPC-478UC : Programming cable. (USB type)

+ OPC-1655: Cable adapter.



## Comparison with previous series (IC-M24/M23, IC-M36/M35)

	IC-M25/M25EURO	IC-M24/M23	IC-M36/M35
Dimensions (W×H×D)	56.6×134.2×30.5mm	58.5×128.5×34.5mm	62×139.5×43mm
Weight	220g	260g	295g
Battery pack	Li-ion/3.7V/1500mAh	Li-ion/3.7V/1500mAh	Li-ion/7.4V/950mAh
Battery Life	11 hours	10 hours	8 hours
Float'n Flash	Yes	Yes	Yes (floating only)
RF output	5W	5W	6W
Audio output	(Internal SP)	550mW (12Ω load)	600mW (8Ω load)
	(External SP)	300mW (4Ω load)	700mW (16Ω load)
SP-Mic connector	Yes with HM-213	–	350mW (8Ω load)
USB Charging	Yes	–	Yes with HM-165
IP Rating	IPX7	–	–
Color Variation	Metallic gay/Pearl white/Marine blue	IPX7	–
		Black	Black

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