FURUNO

MARINE VHF RADIOTELEPHONE

Model **FM-4800**

Model **FM-4850**

The Ultimate 5-in-1 Tool of VHF Radios

GPS, AIS, Loud Hailer, NMEA2000 and DSC calling, all-in-one



Handset HS-4800

FM-4800

FM-4850 (Black Box type)

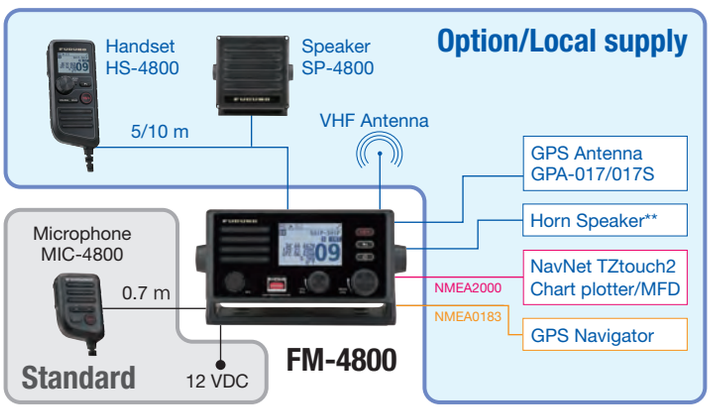
- Built-in 72 Channels GPS (FM-4800)
- Built-in AIS receiver
- 25 W/1 W output power
- Class D DSC
- Loud Hailer/Fog Horn
- NMEA2000 and NMEA0183 networking
- Dual Station with optional handset
- ATIS mode for inland waterway
- 10 weather channels
- Fully waterproof (IP67)
- Up to 3 Handsets HS-4800/Speakers SP-4800 connectable (FM-4850)

NAVnet Connect | AIS | GPS Internal Antenna | CAN bus | NMEA2000 Certified

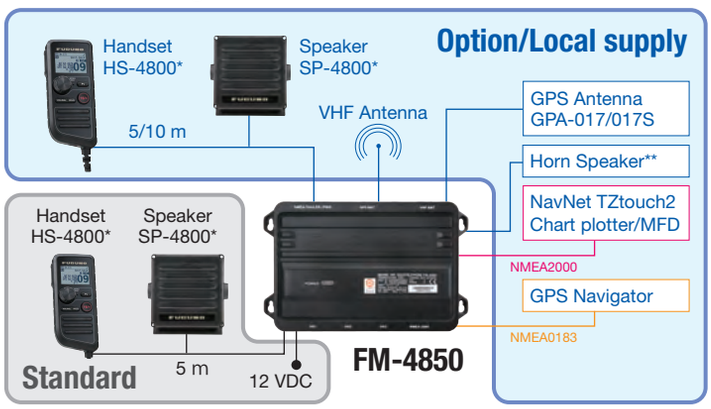
More details on
www.furuno.com

Everything needed for Hailing and Calling in one unit

FM-4800 Configuration



FM-4850 Configuration



*Up to 3 handset/speakers connectable
** Local Supply

SPECIFICATIONS

1. GENERAL

Channels	International, USA and Canada
Frequency stability	Within ±1.5 kHz
Communication system	Simplex / Semi-duplex
Antenna impedance	50 ohms
Display	Monochrome, 192 x 128 dot (FM-4800, HS-4800)

2. TRANSMITTER

Frequency Range	156.025 MHz to 162.000 MHz
Output power	25 W max., 1 W at power reduction
Frequency deviation	±5 kHz max.
Spurious emission	Standby: less than 2 nW Transmit: less than 0.25 µW
Modulation	16K0G3E (F3E) Voice, 16K0G2B (F2B) DSC

3. RECEIVER

Frequency range	155.500 MHz to 162.0375 MHz
Weather Channel	162.550 MHz to 163.275 MHz (US & Canada only)
Sensitivity	+6 dBµV (e.m.f.) or less (SINAD 20 dB)
Channel selectivity	70 dB or more
Spurious response	70 dB or more

4. DSC

Protocol	Class D DSC
Sensitivity	0 dBµV (e.m.f.) or less (BER < 1%)
Channel selectivity	70 dB or more
Spurious response	70 dB or more

5. AIS RECEIVER

Receiver frequency (CH)	161.975 MHz (AIS1), 162.025 MHz (AIS2)
Sensitivity	-107 dBm or less (PER < 20%)
Channel selectivity	70 dB or more
Spurious response	70 dB or more

6. GPS RECEIVER

Receiving frequency	1575.42 MHz
Number of channel	72 channels
Accuracy	10 m
Position fixing time (cold start)	120 sec typical
Position update interval	1 sec

7. LOUD HAILER / FOG HORN

Output power	30 W max. (4 ohms)

8. INTERFACE

Number of port	NMEA0183 2 ports (IN: 1, OUT: 1), NMEA2000 (3LEN) 1 port
NMEA0183 sentence	
Input	DTM, GGA, GLL, GNS, RMA, RMC
Output	DSC, DSE, GLL, RMC, VDM
NMEA2000 PGN	
Input	059392/904, 060160/416/928, 065240, 126208, 127258,129026/029/044
Output	059392, 060928,126208/464/993/996/998, 129025/026/029/038/039/040/041/540/793/794, 129795/797/798/801/802/808/809/810

9. POWER SUPPLY

12.0 VDC (-10%, +30%) 5.0 A Max

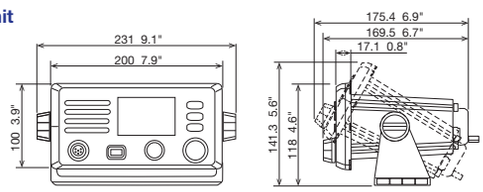
10. ENVIRONMENT

Ambient temperature	-15°C to +55°C
Relative humidity	93% or less at +40°C
Degree of protection	IP67 (FM-4800, FM-4850, HS-4800, SP-4800)

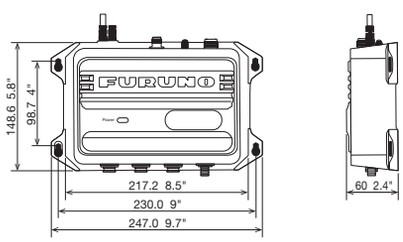
EQUIPMENT LIST

FM-4800	FM-4850
Standard	**Standard**
Transceiver Unit FM-4800	Transceiver Unit FM-4850
Microphone MIC-4800	Handset HS-4800
Installation materials	Speaker SP-4800
Option	Handset extension cable (5 m)
Handset HS-4800	Installation materials
Speaker SP-4800	**Option**
Handset extension cable (5/10 m)	Handset HS-4800
GPS Antenna GPA-017/017S	Speaker SP-4800
	Handset extension cable (5/10 m)
	GPS Antenna GPA-017/017S

Transceiver Unit
FM-4800
1.7 kg 3.8 lb



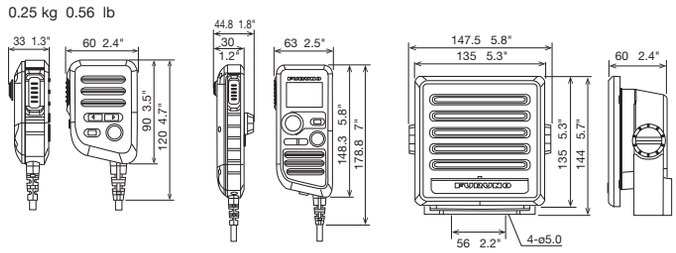
FM-4850
1.75 kg 3.85 lb



Microphone (FM-4800 only)
MIC-4800
0.25 kg 0.56 lb

Handset
HS-4800
0.3 kg 0.66 lb

Speaker
SP-4800
0.76 kg 1.69 lb



Beware of similar products

All brand and product names are registered trademarks, trademarks or service marks of their respective holders.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

FURUNO ELECTRIC CO., LTD.
www.furuno.com

Find your local contact point

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