



Link-6 Fixed Mount VHF

Product Brief

11 April 2017

Product Description

Introducing Lowrance's latest range of entry level VHF radios

- Lowrance Link-6 (Link5 replacement)



System Overview

Lowrance Link-6

- Replaces the current Link-5 entry level VHF
- NMEA0183
- New front mountable mechanical design for easy installation
- Available globally in white or grey



Unique Selling Points

- Easy front mount solution
- Low profile to style match Lowrance MFD's, 2 colour options
- Clear white dot matrix LCD
- Inverted LCD night mode for reduced light emission
- Dimmable to 0.5 nits for night operation
- Four button fist mic
- Full inbuilt country specific channel banks no requirement for programming



Unique Selling Points

New features

- Start up wizard
 - Region & Country selection
 - Enter MMSI
 - Call sign
 - GPS source selection
 - Time offset
- Improved SCAN features
 - ALL SCAN
 - ALL CHANNELS + 16
 - MY CHANNELS
 - MY CHANNELS + 16
- Favourites shortcut
 - Customizable favourite functions
 - Defaults
 - Contrast
 - Sensitivity
 - VHF info
 - Channel name
- My Channels
 - Set Channels as favourite channels
 - Enter favourite channel mode by long pressing channel dial
 - Only favourite channels will be included in channel scrolling

Unique Selling Points

New feature – Night Mode

- Invert the LCD display
- Minimizes light emitted for night mode operation
- Dimmable to 0.5 NITS
- LED's dim with backlight control



Unique Selling Points

Controls on left hand side

- Layout designed for left hand operation, allowing for helm control with Right hand
- Pressing buttons and using channel knob will not restrict view of LCD
- Fistmic can be easily operated with either hand



Unique Selling Points

Mount from front

- Easily flush mounted from the front
- Corner clips on Lowrance
- Edge bezels on Simrad and B&G



Competitor Comparison

	Simrad RS20	Simrad RS35	Lowrance Link-6	Lowrance link-8	B&G V20	B&G V50	Garmin VHF110	Garmin VHF210	Raymarine Ray50	Raymarine Ray52	Raymarine Ray60	Raymarine Ray70
NMEA2000	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Internal GPS	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes
Internal AIS	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	Yes
Front Mount	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rear Mount Mic	No	No	No	No	No	No	No	Yes	No	No	Yes	Yes
Serviceable Mic	Yes	No	Yes	No	Yes	No	No	Yes	No	No	Yes	Yes
Favourite Channel Mode	Yes	No	Yes	No	Yes	No	No	No	No	No	No	No
Buddy Track	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Additional Hanset	No	Yes	No	Yes	No	Yes	No	Yes	No	No	Yes	Yes
Hailer/ Foghorn	No	Yes	No	Yes	No	Yes	Yes	Yes	No	No	No	Yes
Intercom	No	Yes	No	Yes	No	Yes	No	No	No	No	Yes	Yes
Dual/Tri Watch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
External Speaker	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Price	\$279	\$399	\$189	\$299	\$279	\$399	\$279	\$599	\$249	\$299	\$299	\$649

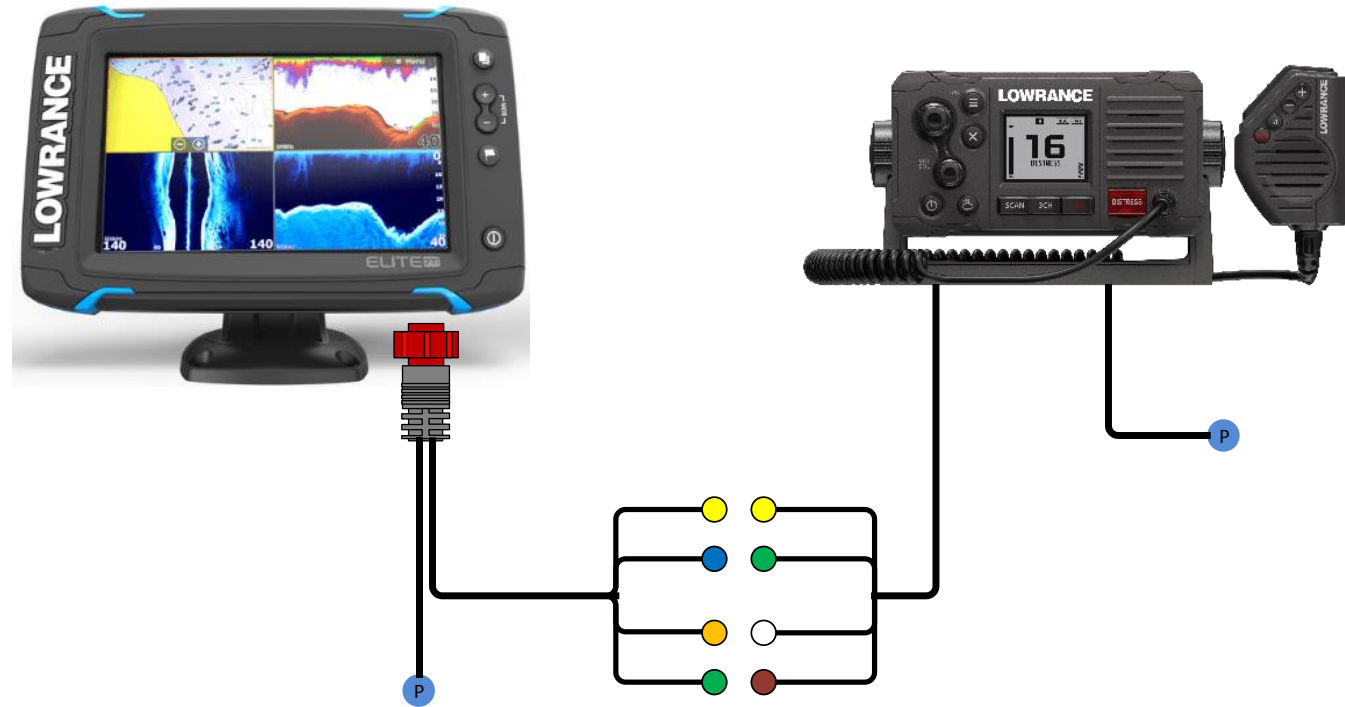
External Launch Schedule

Key Launch Event	Date
Training	NOLA 27 Feb 2017
Open Order Book	13 March 2017
Commercial Ship Date	20 th May 2017
Website goes live	01 May 2017

Integration, Supported Functionality

Link 6

- NMEA0183
- External Speaker



Plotter	Color	Color	Link-6
NMEA TX+	Yellow	Yellow	NMEA RX+
NMEA TX-	Blue	Green	NMEA RX-
NMEA RX+	Orange	White	NMEA TX+
NMEA RX-	Green	Brown	NMEA TX-

Target Consumer Summary

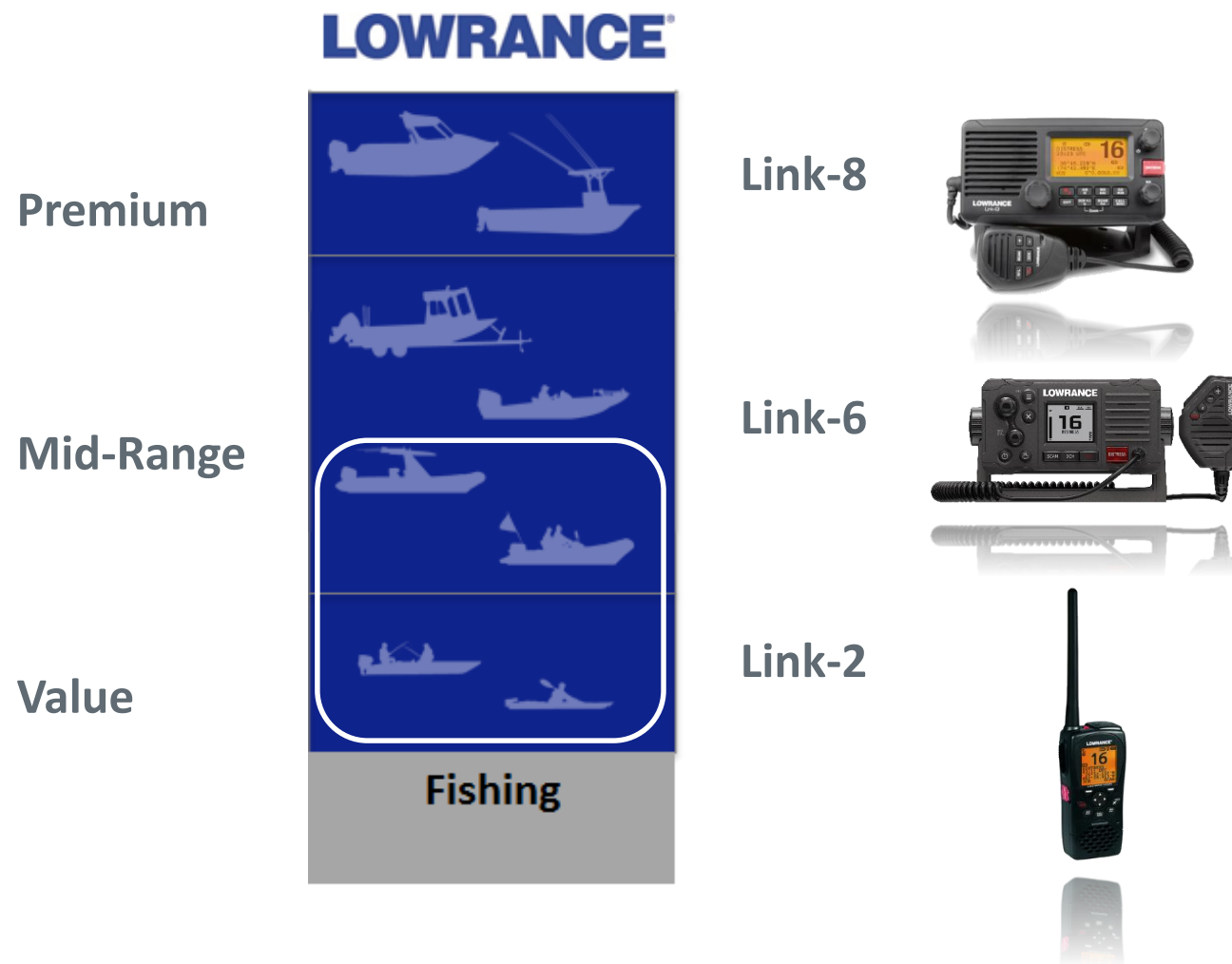
New Boater

- VHF radio offers a level of safety in all conditions, features like DSC (Digital Selective Calling) allow a user to easily call friends, and in emergency situations the Distress key allows any vessel in VHF range to be notified of a problem with a single key press.

Experienced Boater

- Link-6 integrates with Lowrance displays to allow “Buddy tracking” with friends position to be displayed on their chart plotter. Advanced channel scan and favorites features allow quick access to commonly used channels.




Product Positioning



Pricing

Region	Price	Currency	Discount Code
Americas	\$ 189.00	USD	R27
Europe	€ 189.00	EURO	R27
APAC	\$ 244.55	AUD	R27

System Builder Capture

LOWRANCE		FIXED VHF		HANDHELD VHF		AIS CLASS B		
		Fixed- Mount VHF						
HDS Carbon								
HDS Gen3		000-10789-001	VHF MARINE RADIO, LINK-8, DSC:		VHF MARINE RADIO, LINK-8, DSC			SRP
Elite Ti								
Hook		000-13543-001	Link-6 DSC VHF:		Link-6 DSC VHF (Grey)			SRP
Sonar								
GoFree		000-13544-001	Link-6 DSC VHF:		Link-6 DSC VHF (White)			
Autopilot								
Radar								
Entertainment/Weather								
VHF and AIS								

Technical Specifications

GENERAL	LIMIT	Unit
Frequency Range: Transmit	156.025 ~ 157.425 MHz	MHz
Frequency Range: Receive	156.050 ~ 163.275 MHz .	MHz
Number Of Channels	US / INT	
Oscillate Mode	PLL	
Modulation	FM(16KOG3E) DSC(16K0G2B)	
Channel Spacing	25	KHz
Frequency Stablility	±5	PPM
Temperature range	-15 ~ +55	°C
Normal Working Voltage	+13.6 DC	V
Minimum operating Voltage	≤10	V
Low battery detect Voltage	10.5 ± 0.5	V
Digital Selectivity Calling (DSC)	Class D	

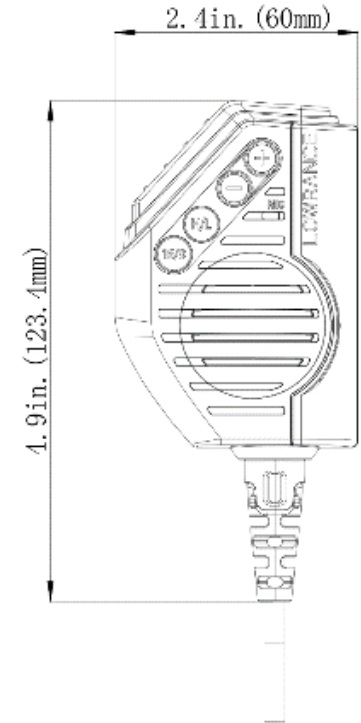
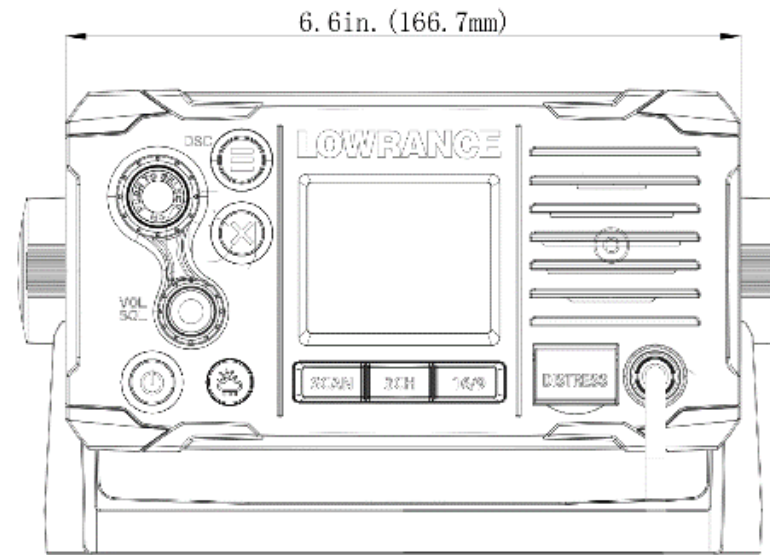
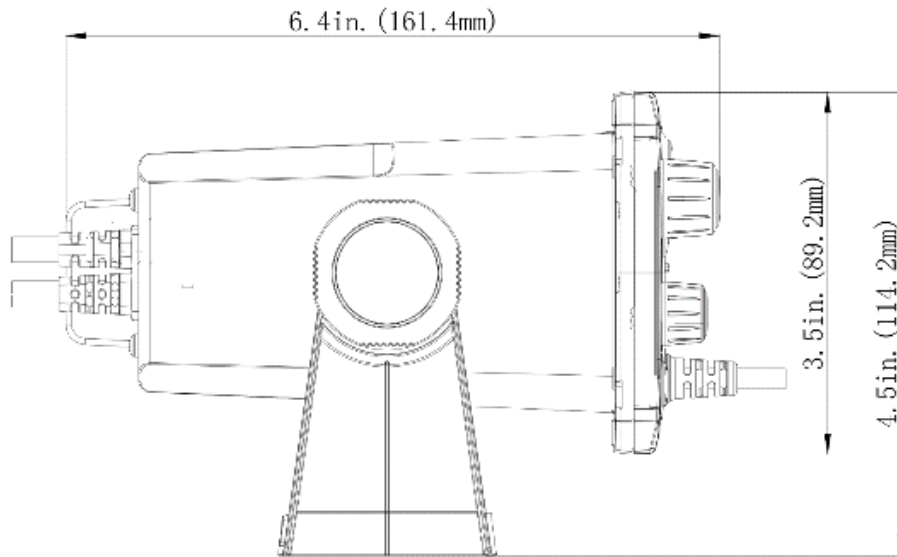
Technical Specifications

RECEIVER	LIMIT	Unit
Intermediate Frequency : 1st	38.85/21.7	MHz
Intermediate Frequency : 2nd	450	KHz
Sensitivity : 12dB SINAD	≤ -6	dBuV(EMF)
Squelch Sensitivity: at tight	≤ 6	dBuV(EMF)
Spurious Response Rejection Ratio	≥ 70	dB
Adjacent Channel Selectivity	≥ 70	dB
Intermodulation Response	≥ 68	dB
S/N at 3KHz Dev.	≥ 40	dB
Audio Output Power At THD 10%	≥ 2.5	W
Audio Distortion	≤ 10	%
Audio Response	+1 to -3dB of 6dB/octave from 300hz to 3kHz	dB
Current Drain : Max Audio Power	≤ 1.5	A
Current Drain : Stand-By	≤ 0.5	A
2ND RX Sensitivity For 12dB SINAD	≤ 0	dBuV(EMF)
2ND RX bit error ratio@-107dBm	$\leq 10^{-2}$	

Technical Specifications

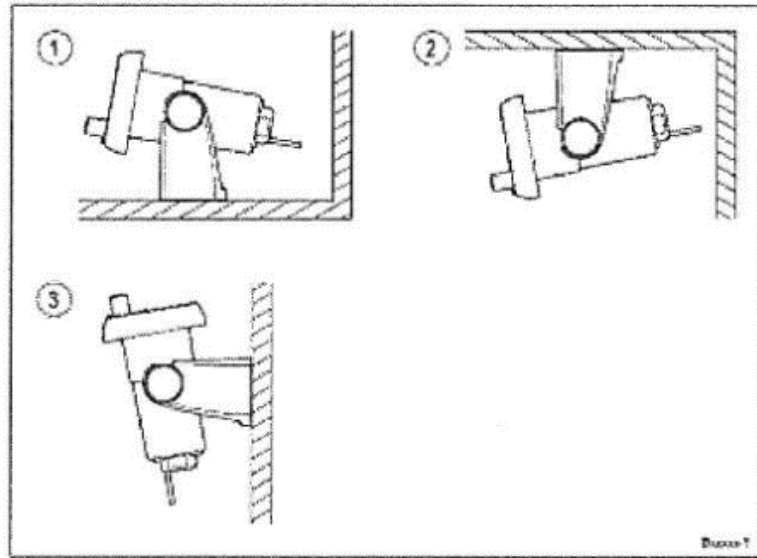
TRANSMITTER	LIMIT	Unit
Frequency error	$\leq \pm 1.5\text{KHz}$	KHz
RF Power : Hi	23 ± 2	W
: Lo	0.8 ± 0.2	W
Maximum Deviation	$\leq \pm 5$	KHz
S/N at 3KHz Dev.	≥ 40	dB
Modulation Distortion $\pm 3\text{KHz}$	≤ 10	%
Audio Response at 1KHz Dev.	+1 to -3dB of 6dB/octave from 300hz to 3KHz	dB
Spurious/Harmonic Emissions: Hi/LO	≤ 0.25	uW
Modulation Sensitivity	≤ 15	mV
Current Drain At 12V DC : Hi Power	≤ 6	A
: Lo Power	≤ 1.5	A
DSC TX deviation at 1.3K	2.6 ± 0.26	KHz
DSC TX deviation at 2.1K	4.2 ± 0.42	KHz
ATIS TX deviation at 1.3 KHz	1.3 ± 0.13	KHz
ATIS TX deviation at 2.1 KHz	2.1 ± 0.21	KHz

Dimensional Drawings

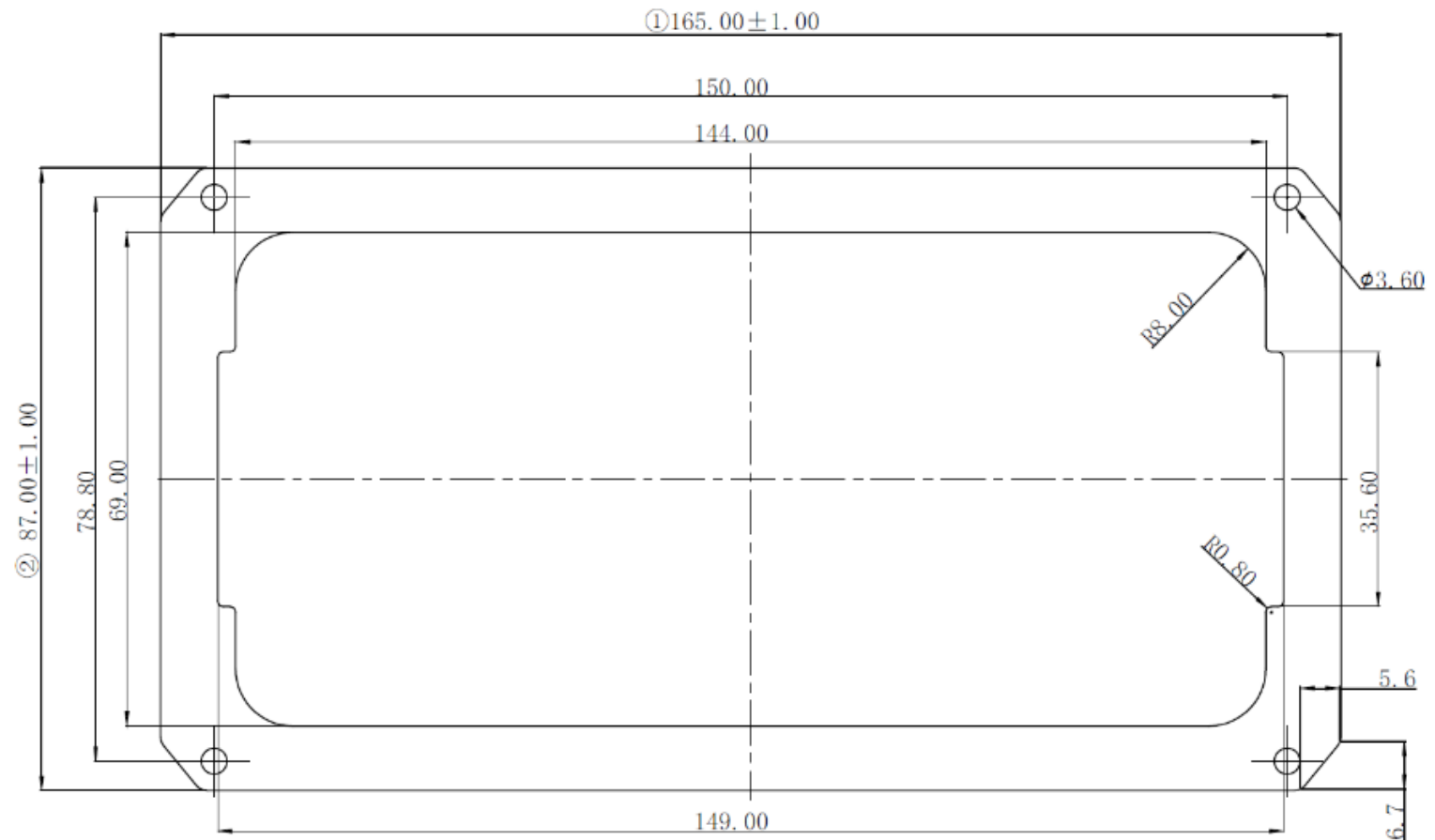


Installation & Mounting

1. Table top mount
2. Overhead mount
3. Bulkhead mount



4. Flush Mount



Box Contents

Description	Part Number
VHF Radio Base Station (Grey)	000-13543-001
Mounting Bracket	000-14060-001
Mounting Bracket Knobs	000-14064-001
Fist Mic mounting bracket	000-14062-001
Inline Fuse Holder	
Spare Fuse	
Owners Manual	988-11181-001
Warranty card	

Description	Part Number
VHF Radio Base Station (White)	000-13544-001
Mounting Bracket (White)	000-14061-001
Mounting Bracket Knobs (White)	000-14065-001
Fist Mic mounting bracket (White)	000-14063-001
Inline Fuse Holder	
Spare Fuse	
Owners Manual	988-11181-001
Warranty card	

Options & Accessories

Description	Part Number
VHF, Sun Cover, Link-6	000-14054-001
VHF, Flush Mount Kit, Link-6	000-14057-001
VHF, Mounting Bracket, LINK-6/RS/V20	000-14060-001
VHF, Mounting Bracket Knobs, LINK-6, RS20, V20	000-14064-001
VHF, Mic Clip For LINK-6, RS20, V20	000-14062-001
VHF, Flush Mount Kit, LINK-6W	000-14058-001
VHF, Mounting Bracket, LINK-6W	000-14061-001
VHF, Mic Clip For LINK-6W	000-14063-001
VHF, Mounting Bracket Knobs, LINK-6W	000-14065-001
Description	Part Number
2.4 m (8-ft) fiberglass quick fit VHF antenna	AA000355
1 m (3.3-ft) fiberglass quick fit VHF antenna	AA000358
Nylon quick-fit antenna mount	AA000223
Stainless steel quick-fit antenna mount	AA000224
VHF extension cable 5 m (16 ft)	AA000400

Spares

Description	Part Number
VHF, Mounting Bracket, Link-6, RS20, V20	000-14060-001
VHF, Mounting Bracket, Link-6 white	000-14061-001
VHF, Mic Clip for Link6, RS20, V20	000-14062-001
VHF,Mic Clip For LINK-6 W	000-14063-001
VHF, Bracket Mount Knobs, Link-6, RS20, V20	000-14064-001
VHF,Mounting Bracket Knobs,LINK-6 W	000-14065-001
VHF, Fist Mic & Cable, Link6	151-10550-001
VHF, Fist Mic & Cable, Link6 white	151-10551-001

System Resets



HIDDEN MENUS:		While Power On:	Button-1:	Button-2:	Notes:
A	COUNTRY SELECT	PRESS & HOLD	7	3	Select / change REGION and COUNTRY
B	FACTORY RESET	PRESS & HOLD	3	9	Reset back to as shipped from factory - deletes all settings/contacts/logs/MMSI etc. Needs PIN number: 2137
C	BYPASS MODE	PRESS & HOLD	7	9	Allows an installer to make a TX and RX (Radio check) using INT channel Bank without having to complete the STARTUP MENU.
D	PROGRAM MODE (CLONE)	PRESS & HOLD	7	4	Places radio into programing mode via NMEA0183. (back to default setting)
E	PROGRAM MODE (UPGRADE)	PRESS & HOLD	10	6	Update the software of the radio via NMEA0183, It's different with Clone mode.

Software Version & Language Packs

- Language – English
 - Regional settings (US/CAN, EU, INT) Preprogrammed
 - Individual country programming will be preprogrammed on the radio and can be user selected (No external programming required) Country programming can be reset using Dealer unlock code

Compliance



Europe

RED safety 3 (1) (a)

EN 60950

IEC 60529

EN 60945

RED EMC 3 (1)(b)

EN 301 843-1 v1.3.1

EN 301 843-2 v1.2.1

RED Radio Spectrum 3(2)

EN 301 025-2 V1.5.1

EN 301 025-1 V1.5.1

EN 300 698-2 V1.2.1

RED Emergency Services 3(3)

EN 300 698-3 V1.2.1

EN 301 025-3 V1.5.1

Statement of Opinion

Declaration of Conformity



Australia/NZ

AS/NZS 4415.1:2003

Statement of Opinion

Declaration of Conformity



Canada

RSS-Gen Issue 4 November 13, 2014

RSS-182 Issue 5 January 2012

RSS-210 License-exempt Radio Apparatus (All

Frequency Bands): Category I Equipment

Certificate



USA

FCC Part 15 Subpart B - Radio Frequency Devices

FCC Part 15.107

FCC Part 15.109

FCC 15.247

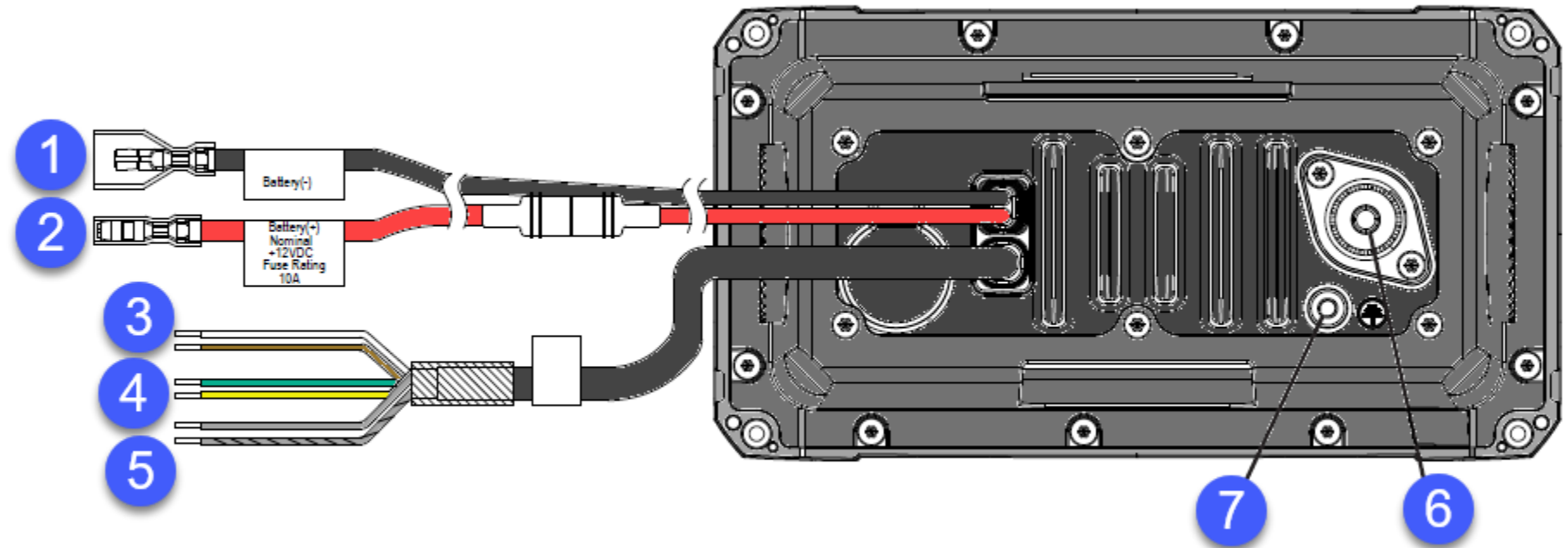
CC Part 80 Maritime Service

CC Part 80.211 AIS Receiver

CC Part 80.215(e)(1) Main Radio
ertificate

Advanced Installation Reference

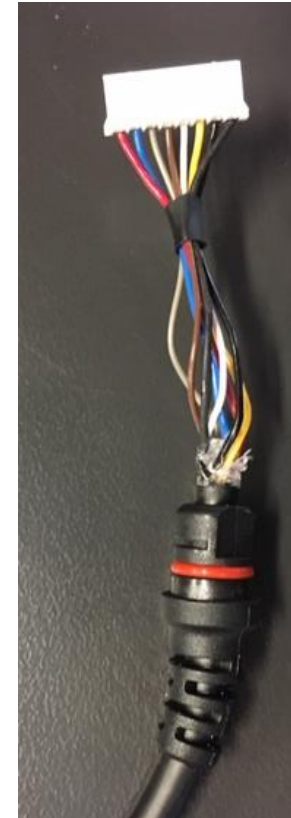
1. Black - Battery (-)
2. Red - Battery (+)
3. White, Brown - NMEA0183 OUT +, NMEA0183 OUT -
4. Yellow, Green - NMEA0183 IN +, NMEA0183 IN -
5. Grey, Grey/Blk - External Speaker +, External Speaker -
6. Antenna
7. Ground



Advanced Installation Reference

Field replaceable fistmic assembly, simple cable retention and seal system

VHF,FIST MIC ASSY,Link-6
151-10550-001
151-10551-001 (White)



LOWRANCE®