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Preface

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Warranty

The warranty card is supplied as a separate document. In case of any queries, refer to the brand website of your gauge or system.

Declaration of Conformity

This equipment is intended for use in international waters as coastal sea area administered by countries of the E.U. and E.E.A.

This gauge complies with the following regulations:

- CE under EMC directive 2004/108/EC
- Level 2 devices of the Radio communications (Electromagnetic Compatibility) standard 2008

The Declaration of conformity is available from www. simrad-yachting.com

Introduction

This manual is a reference guide for operating the Simrad IS35 Color Display.

Important text that requires special attention is emphasized as follows:

→ Note: Used to draw attention to a comment or important information.

A Warning: Used when it is necessary to warn personnel that they should proceed carefully to prevent risk of injury and/or damage to equipment/personnel.

Software

This manual is written for: Simrad IS35 Color Display software version 1.0

Please check www.simrad-yachting.com for details on release version.

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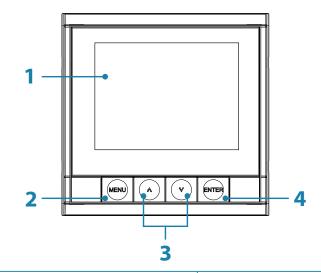
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1

Simrad IS35 Color Display

The Simrad IS35 Color Display is a networked gauge which displays the vessel's engine data and fuel tank information. It can also display instrument data including speed, depth, heading, position, wind and environmental data measured by optional sensors and other equipment connected to the network.

Display and keys



1	DISPLAY		3.5" Color LCD 320 x 240 Resolution
2		Short press	Page menu / Return to previous menu
2	MENU key	Long press Shortcut to	Shortcut to Standby and Display setup
3	B UP/DOWN key		Scrolls up / down through menu / set values / active page transition
		Short press	Enter sub menu / Confirm selection
4	ENTER key Long press		Shortcut to Enabled pages

Default display pages

When starting for the first time, the gauge is set with five default pages showing engine and system information. It is possible to add pages via the Pages menu and to change the template pages via the template page sub menu.

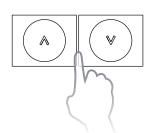
The information displayed on fixed data pages cannot be edited by the user. The type of information shown depends on what devices are connected on the network.

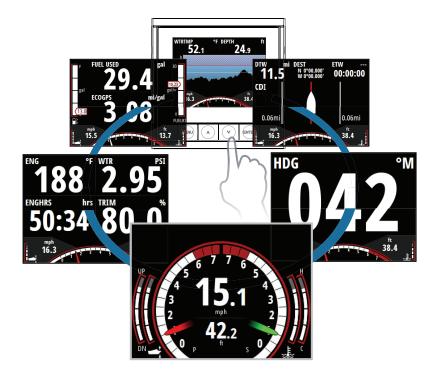
→ Note: Data fields are prioritized automatically. Adding or removing devices from the network may change which data types are displayed on the gauge.

See the Pages section of this manual for more information on page setup and configuration.

Page transition

Use the **UP/DOWN** keys to scroll through the active pages.





Operation

Menu operation

Page menu

The Page menu options vary from page to page. Pressing the **MENU** key once on any page will show the available menu options.



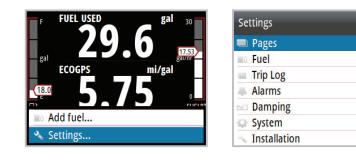


→ *Note:* All page menus have a settings option. Any other option refers to the current page.

Settings

The Settings menu is where display options, display settings, system settings, source selection and calibration can be accessed.

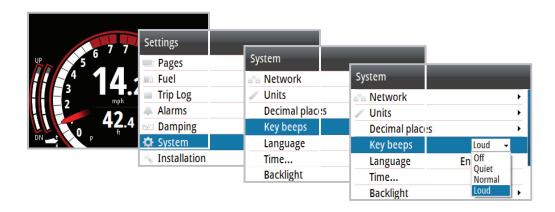




Example menu structure

- 1. Press the **MENU** key
- 2. Use the **UP/DOWN** and **ENTER** keys to select and navigate through the menu options

Example: Access Key beeps dialog via the settings menu.

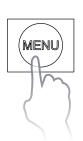


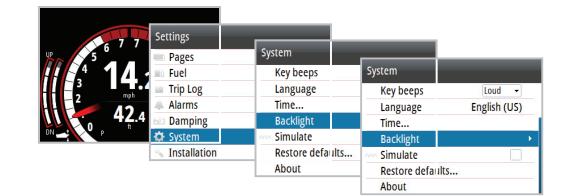
→ Note: Pressing the MENU key once returns you to the previous menu.

Backlight

There are two methods of adjusting the gauge backlight.

1. Via the Menu

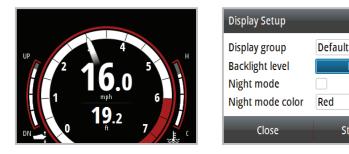




2. Via the Display setup shortcut

Press and hold the **MENU** key for three seconds to open the Display setup.





Display group

All units in the selected Display group will mirror each others light settings.

Max

Standby

Level

Adjusts the backlight level from Min (10%) to Max (100%) in 10% increments.

Night mode

Changes the gauge to Night Mode color palette. All gauges in the selected Display group will also change to Night Mode.

→ Note: Gauge night mode cannot be changed via a Multi-Function Display.

Night mode color

Changes the Night Mode color palette.

Pages

Static gauge

Some pages have a static gauge at the bottom of the display showing two pieces of dynamic data, engine trim, temperature and an RPM dial.



No.	Description	No.	Description
1	Dynamic data field	4	Engine temperature
2	Engine trim	5	RPM Dial
3	Dynamic data field		

→ Note: Dynamic data fields on the gauge pages and the static gauge automatically populate and the data type shown depends on what devices are on the network.

Static gauge dynamic data field priority order

- 1. Speed (Speed Over Ground preferred. Requires GPS, paddle wheel, Pitot)
- 2. Depth (Requires depth data on the network)
- **3.** RPM
- 4. Fuel economy
- 5. Fuel flow
- → Note: When data from two engines is displayed, only RPM, Engine trim and Engine temperature are shown.

Default fixed data pages



Motoring



No.	Description	No.	Description
1	RPM Dial	5	RPM Needle
2	Dynamic data field	6	Engine temp
3	Engine trim	7	RPM Limit
4	Dynamic data field		

Motoring dynamic data field priority order

- 1. Speed (Speed Over Ground preferred. Requires GPS, paddle wheel, Pitot) Depth (Requires depth data on the network)
- 2. Vessel fuel economy
- 3. Vessel fuel rate



Engine



No.	Description	No.	Description
1-4	Dynamic data fields	5	Static gauge

Engine dynamic data field priority order

- 1. Alternator voltage
- 2. Engine temp
- **3.** Engine water pressure (Requires a pressure sensor on the network)
- 4. Engine hours
- 5. Engine trim.



Fuel economy



No.	Description	No.	Description
1	Vessel fuel remaining	4	Fuel rate
2	Dynamic data field	5	Static gauge
3	Fuel used		

Fuel dynamic data field priority order

- 1. Vessel fuel economy (GPS)
- 2. Vessel fuel economy (water)
- 3. Vessel fuel (rate)
- → Note: Vessel Fuel Remaining will only be shown when fuel flow data is available and a fuel storage device such as an EP-85R is on the network.

Additional fixed data pages

	-	-	Ī	f	t	
_			r	•	-	

Depth history

→ *Note:* Requires depth data on the network



No.	Description	No.	Description
1	Water temperature	4	Depth alarm limits
2	Depth histogram	5	Static gauge
3	Dynamic data field		



Motor steer

→ *Note:* Requires a Chartplotter on the network.



No.	. Description		Description
1	1 Waypoint position		Vessel indicator
2	Distance to waypoint		Cross track error limit
3	Cross track error limit		Static gauge
4	Estimated time to waypoint		

If the vessel moves out of the cross track error limit, the gauge will change to show the direction and distance that the vessel is off course.



Template pages

lcon	Description	Page
000.0	Single gauge (with RPM)	 16.3 38.4
	2x2 grid (with RPM)	
	2x1 grid (with RPM)	 16.3 38.4
⊞	2x2 (bars) grid (with RPM)	 mph 16.3
	Quad bars (with RPM)	-1 -1 -1 -1 -1 -1 -1 -1 16.3
000.0	Single gauge (full screen)	
	2x1 grid (full screen)	
	2x2 grid (full screen)	

Enabling / disabling a page

To Enable/Disable a page you need to first ensure it has been added to the pages list shown in Replacing/ Adding a page.

- 1. Press the **ENTER** key on the desired page to open the Enabled/Replace dialog
- 2. Press ENTER to toggle On/Off.

Pages	Pages	
6 Fuel	Pages	Pages
Trip Log	AutoScroll	1 O Motoring Pages
Alarms	AutoScroll t me	
🗠 Damping		
🗭 System		3 Fuel economy 2 Engi Replace
 Installation 		4 0000 Single gauge 3 The Fuel
		5 Motor steer 4 000.0 Sing
		5 🕰 Mot

Replacing / adding a page

- 1. Select the page you want to add / replace
- 2. Press the ENTER key to open the Enabled/Replace dialog

Pages	Pages	_	_				i i
6 Fuel	Pages	P	ages	_	_	_	
Trip Log	AutoScroll	1	O Motor	ng P	ages		
Alarms	AutoScroll t m	e 2	🖾 Engine	1	$\left[\right]$	Mot	Page Options
🗠 Damping		2				- [Enabled 🗸
🗭 System		3	🗈 Fuel e	conomy ²	Ŷ	Eng	Replace
 Installation 		4	📆 Depth	History ³	I	Fue	
		5	Motor	steer 4	ft	Dep	
				5		Mot	

3. Select the desired page from the Replace page list

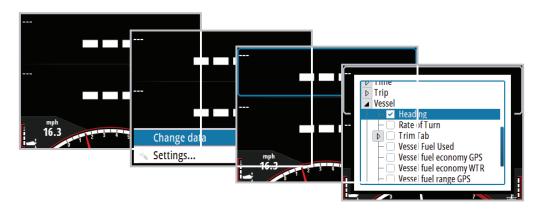
Pages	-	
1 O Mot Page Options	Replace Page	
2 C Eng Enabled 🗸	C Motoring	Pages
Replace	🕞 Fuel economy	1 O Motoring
	Engine	2 C Engine
4 Dep		3 🚯 Fuel economy
5 🗛 Mot	Depth History	4 O Motoring
	Motor steer	
		5 Motor steer

The selected page is shown in the active pages list.

Configuring page data

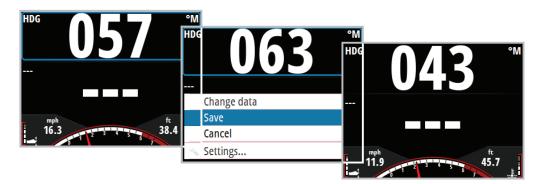
Once selected a template page can be configured to show any available system data.

- → Note: A template page cannot be edited until it has been selected and enabled as one of the active display pages.
- 1. Select a page that can be changed. I.e. 2x1 grid
- 2. Press MENU
- 3. Select Change data
- 4. Select the desired field
- 5. Select the desired data type from the menu options.



Once selected, a tick appears in the check box and the gauge will revert to the page.

The desired data now appears in the selected field. Before opting to save you can populate other blank fields by repeating steps 4 and 5.



6. Press MENU

- 7. Select Save
- → *Note:* If a data type is selected but there is no sensor information on the network, the gauge will show as ---.

AutoScroll

Select AutoScroll from the pages menu.

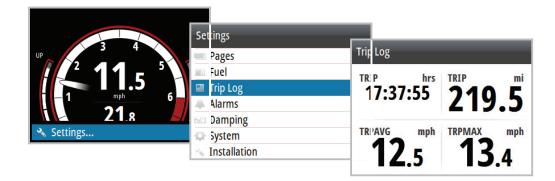
🔲 Pages	Pages			
Fuel	Pages		Pages	
Trip Log	AutoScroll		Pages	
Alarms	AutoScroll time	2 sec	AutoScroll	Image: A start of the start
🗠 Damping			AutoScroll time	2 sec 🔻
😳 System				
 Installation 				

AutoScroll time can be set between 1 and 10 seconds.

🔲 Pages	Pages			
Fuel	Pages		Pages	
Trip Log	AutoScroll	•	Pages	
Alarms	AutoScroll time	2 sec 🔹	AutoScroll	 Image: A start of the start of
🗠 Damping			AutoScroll time	2 sec 👻
🗭 System		[1 sec
 Installation 				2 sec 3 sec
				4 sec
				5 sec

Trip log

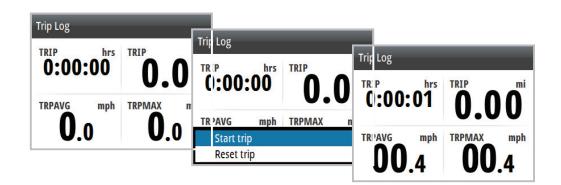
The Trip Log shows trip duration, distance, average speed and max speed from the time the Trip Log was started / reset.



→ Note: Trip information is calculated using GPS or the paddlewheel if GPS is not present. No Trip Log information is recorded while the Trip Log is stopped.

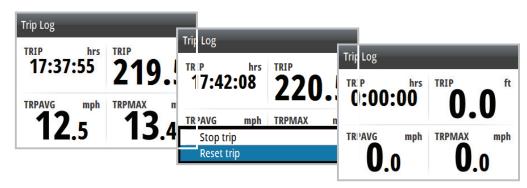
Start / Stop Trip Log

Starts / Stops the trip log recording



Reset Trip Log

Resets all trip log information to zero.



Refuelling

Adding fuel for the first time

To accurately calculate fuel capacity, fill the tank and select **Set to full** in the Vessel refuel dialog. Estimating existing fuel level incorrectly could result in inaccurate fuel remaining and fuel range calculations.

- 1. Make sure the vessel setup is complete and the number of tanks and total fuel capacity is set to the correct value.
- → Note: The number of tanks and fuel capacity can be updated using the vessel setup dialog in the installation menu, or by using the first-time start-up wizard.

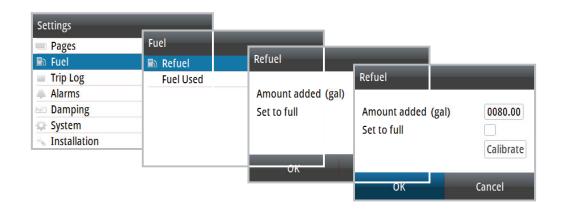
Pages	Installation		
■ Fuel	Vessel Setup	Vessel Setup	
🖩 Trip Log	Engine Display Setup	Number of Engine	4
Alarms	Gauge Limits	Number of Engines	1
🗠 Damping	Pop-Ups Setup	Nuriber of Fuel Tanks	1
🗭 System	Files		
Installation		Total Fuel Capacity (gal)	0180.0

2. Go to the Refuel dialog via the Settings menu

Pages	Fuel	Defuel	
🗈 Fuel	🗈 Refuel	Refuel	
Trip Log	Fuel Used		
Alarms		Aniount added (gal)	0000.00
🗠 Damping		Se: to full	
🗭 System			Calibrate
 Installation 			

Adding fuel

- 1. Make sure the vessel setup is complete and the number of tanks and total fuel capacity is set to the correct value.
- 2. Enter the amount of fuel added to the tank into the Amount added section, or select **Set to full** when filling the tank to its maximum capacity



Fuel used

The fuel Used dialog shows how much fuel has been used since last fill, from trip reset and seasonal usage (continuous recording).

→ Note: If more than one engine is on the network, then the Fuel Used data shown is the total for all engines. It also lists the data for each engine.

Settings		
Pages	Fuel	
🗈 Fuel	🔊 Refuel	Fuel Used (gal)
Trip Log	Fuel Used	TOTA S
Alarms		Since last fill
🗠 Damping		2.5
System		Trip
 Installation 		5.6
		Reset Close

Fuel used reset

To access reset to zero options, select **Reset** at the bottom of the Fuel Used page. Then select the desired reset option from the list.

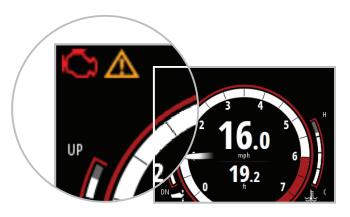
Fuel			_	
🔊 Refuel	Fuel Used (gal)			
Fuel Used	TOTAS		Reset	
	Since last fill 52.5		Allengines	
	[rip 55.6		None Trip Seasonal	
	Reset	Close	Both	
			Reset	Cancel

→ Note: You can reset the total for one engine or all engines.

Reset option	Description	
None	Returns to Fuel Used page	
Trip Reset Trip fuel used only		
Seasonal	Reset Seasonal fuel used only	
Both	Reset Trip and Seasonal fuel used	

Engine alarms

For engine-specific alarms, an icon will appear on the display and remain on while that alarm instance is still valid.



→ Note: For dual engines, the alarm icon appears on the side of the display that the engine is configured.

lcon	Alarm description	
	Power / Charge indicator	
ı	Check engine / General engine faults / Engine or its related system faults	
~ <u>+</u>	High engine temperature	
	Warning - Engine malfunction - Check active alarms for available information	
÷	Water in fuel	

System alarms

If a sensor is connected to the network, you can enab; e alarms by selecting them from the list in the Alarm settings menu.

Pages	Alarms	
Fuel	Active Alarms	Ala m Settings
💷 Trip Log	Alarm History	– No GPS fix
🜲 Alarms	Alarm Settings	– Shallow water
🗠 Damping	Engine Alarm Settings	– Deep water
🗭 System	Alarms Enabled	- A ichor
 Installation 	Siren Enabled	- A 1 chor depth

Enabling an alarm (alarm On/Off)

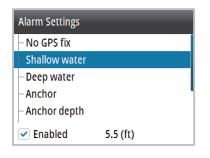
Turns an alarm on or off via the Alarm Settings menu.

Alarm Settings	Alarm Settings	
– No GPS fix – Shallow water	– No GPS fix	Ala m Settings
– Deep water – Anchor – Anchor depth 🗌 Enabled 6.0 (ft)	- Shallow water - C Enabled - A Set limit - A thor depth Enabled 5.5 (ft)	- No GPS fix - Shallow water - G Enabled C - A Set limit - A tchor depth

Alarms setting status

When an alarm option is highlighted, the Enabled dialog at the bottom of the page will show the alarm settings status and alarm limit.

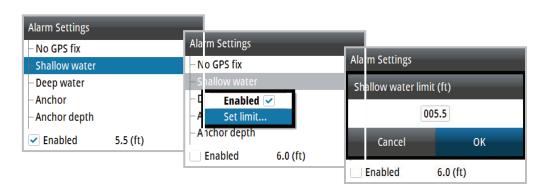
→ Note: The relevant sensor must be on the network for the alarm to be enabled.



Check box	Description
Enabled	Alarm disabled
Enabled	Alarm enabled
Enabled	Alarm group (multiple alarms). At least one but not all alarms in the group are enabled
Enabled	There is a sub menu with other alarm groups. Select the next level down in the menu to show the alarm status

Alarm limits

Some alarms may feature an adjustable limit. Select the alarm and set the limit in the Alarm Settings menu.



Alarm indication

The alarm is triggered if any settings are exceeded. Alarms are indicated with an alarm text and an audible alarm (optional).



Acknowledging an alarm

An alarm is acknowledged by pressing the **ENTER** key. This removes the alarm notification and silences the alarm. In some cases the alarm icon remains on the gauge until the fault is resolved.

Active alarms

Lists active alarms on the network. These alarms will be present until the alarm instance is cleared.

Pages	Alarms	
N Fuel	Active Alarms	Active Alarms
Trip Log	Alarm History	Shalow water
🜲 Alarms	Alarm Settings	
🗠 Damping	Engine Alarm Settings	
🗭 System	Alarms Enabled	
 Installation 	Siren Enabled	

Alarm history

The alarm history can be accessed via the Alarm History menu. This stores alarm messages until they are manually cleared.

Settings			
Pages	Alarms		
IN Fuel	Active Alarms	Ala m History	
Trip Log	Alarm History	Shalow water	Ackd 11:44
🜲 Alarms	Alarm Settings		Аски 24/11/14
🗠 Damping	Engine Alarm Settings	Chalaurustar	Raise 11:44
🗇 System	Alarms Enabled	Shallow water	Raise 24/11/14
 Installation 	Siren Enabled		Darks 11:43
		Shal ow water	Dsabl 24/11/14
		- · · ·	11:21

Alarm details

Select an alarm instance to show more details of that specific occurrence and the action taken.

Alarm History			Alarm History				
Shallow water	Ackd	11:44 24/11		Ackd	11:44	Ala m History	
Shallow water	Raise	11:44 24/11		1	24/11 11:44	Alarm Cleared Event	-
Shallow water	Dsabl	11:43 24/11	Clear all	Raise	24/11	Shallow water	
		11:21	Shallow water	Dsabl	11:43 24/11		
			a l 11 .		11:21		24/11/14

Clear Alarm History

- 1. Open Alarm History list
- 2. Press ENTER
- 3. Select Clear all

		11.44	Alarm History					
Shallow water	Ackd	11:44 24/11			11:44	Alarm	History	_
Shallow water	Raise	11:44	Shalow water	Ackd	24/11	Clear	All	
Shahow water	Kuise	24/11	s Show Details	Raise	11:44	4	Are you sur	e you want clear the
Shallow water	Dsabl	11:43		Kuise	24/11		alarm histo	
Shahow Water	5001	24/11	Shallow water	Dsahl	11:43			
- U .		11:21		Doubl	24/11		Yes	No
- 1 11 .			Shallow water	Dsabl	24/11		Yes	No

Settings | Simrad IS35 User manual

Engine alarm settings

Set all Engine Alarms on or off. If multiple engines are in use, **Custom Setting** can be used to select which engines alarms are on or off.

Settings				
Pages	Alarms			-
🗈 Fuel	Active Alarms	Engine alarms		
Trip Log	Alarm Histo y	Engine Alarm	Engine alarm	IS
🜲 Alarms	Alarm Settir gs	Custom		
🗠 Damping	Engine Aların Settir	ENGINES	Engine Aları	ns
System	Alarms Enat led	Port	Off	
🐁 Installation	Siren Enabled	On	All	
		Called	Custom	
		UK		
			OK	Cancel

Setting	Description
Off	All alarms for all engines are off
All All alarms for all engine are on	
Custom	Individually select which engines alarms will be all on or all off

Alarm siren

When enabled, an audible alarm sounds when an instance is triggered.

Pages	Alarms	
🗈 Fuel	Active Alarms	Ala ms
📾 Trip Log	Alarm History	Active Alarms
🜲 Alarms	Alarm Settings	Alarm History
🗠 Damping	Engine Alarm Settings	Alarm Settings
💭 System	Alarms Enabled	Engine Alarm Settings
 Installation 	Siren Enabled	Alarms Enabled
		Siren Enabled 🗸 🗸

Damping

Damping rate affects how frequently the data is updated; the greater the damping value, the smoother the number change will be, but the change will also be slower..

Damping			
Heading	1 sec	Damping	
Boat Speed	4 sec	Heading	1 sec
		Roa: Sneed	0 sec
SOG	1 sec	-	1 sec
COG	1 sec	SOG	2 sec
		COG	3 sec
ОК	Cancel		4 sec
	Heading Boa: Speed SOG COG	Heading 1 sec Boat Speed 4 sec SOC 1 sec COC 1 sec	Heading 1 sec Damping Boat Speed 4 sec Heading SOC 1 sec Boat Speed COC 1 sec SOG COC 1 sec COG

System

From the System menu there are several display and system options available.

	Settings		
5 5 5	💷 Pages	System	
	🔊 Fuel	물 Network	Þ
	💷 Trip Log	Jnits	•
	🐥 Alarms	Decimal places	•
	🖂 🗠 Damping	Key beeps Loud	•
	🕻 🌣 System	Language English	(US)
	🛰 Installation	lime	
		Backlight	•

Network

Before the system can be used, the data sources need to be configured.

Sources

A data source can be a sensor or a device connected to the network that provide information and commands to other networked devices. The data sources are normally configured the first time the system is turned on. It should only be necessary to update this data if a new source is added, data is missing or removed, a source has been enabled/disabled, a sensor replaced or after a network reset.

Auto Select

The Auto Select option looks for all sources connected to the network. If more than one source is available for each item, the gauge automatically selects from the internal device priority list.

Settings	System				
Pages	System			- C	
Fuel	📇 Network	Auto Select	Auto	Configure	
Trip Log	Junits	Sources		This will rese	ect or remove any
Alarms	Decimal places	Device List			ource selections.All
🗠 Damping	Key beeps	Diagnostics	(†)		ices should be
🌣 System	Language	Groups			nd powered on. Are
 Installation 	Time	droups		you sure you	want to do this?
	Backlight			Yes	No

Device list

Shows a list of all devices connected to the Network.

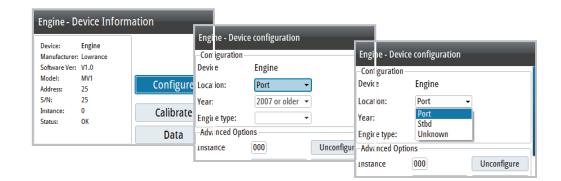
Pages	System			
Fuel	📇 Network	Auto Select.	Device List	
Trip Log	Junits	Sources	Mod I D	Serial No.
Alarms	Decimal places	Device List	Boa: Sim [1]	J201002
🗠 Damping	Key beeps	Diagnostics	IS35 Color Gauge	This device
🌣 System	Language	Groups	Engine (Port)	25
 Installation 	Time		Engine (Stbd)	26
	Backlight			

Selecting a device in this list brings up additional details and actions.

🖢 Network	Auto Select	Device List			
Units	Sources	Model ID	Serial N	Engine - Device Inform	ation
Decimal places	Device List	Boat Sim [1]	J20100	Devite: Engine	
Key beeps	Diagnostics	IS35 Color Gauge	This de	Man Ifacturer: Simrad Softvare Ver: V1.0	
Language	Groups	Engine (Port)	25	Model: MV1	Configuro
Time		Engine (Stbd)	26	Address: 25 S/N: 25	Configure
Backlight				S/IN: 25 Instance: 0	Calibrate

Configure

All units come pre-configured but they can be modified once connected to the network. The example below shows how to configure the engine location.



→ Note: Configuring the engine location correctly is important when more than one engine is on the network.

Some devices show additional options specific to the device. For example the **Calibrate** option, to allow easy setup of a device. Calibration options vary depending on the device.

Diagnostics

NMEA2000 Bus diagnostic data on the network.

Units

Set the unit of measurement for how you want the data to be displayed.

Pages	System			
🚯 Fuel	and Network	Sys	Distance	mi 👻
💷 Trip Log	🥓 Units	ಕ್	Distance small	ft 🗸
Alarms	Decimal places		Speed	mph -
🗠 Damping	Key beeps	Loud 👻		
🔅 System	Language	English (US)	Depth	ft ▼
Installation	Lime		Heading	°M -
	Backlight		Temperature	°F 🕶
	Backlight		Volume	gal 👻

Decimal places

Set the number of decimal places for the boat speed and sea temperature display.

Language

Set the preferred language for the gauge.

→ Note: This is not a network function. You need to change all gauges separately.

Network		Select Language			
Units			Coluct	Languaga	_
		English (US)	Syste	m	
Decimal places		English (UK)			
Key beeps	Loud 👻			Change lan	guage to English
Language	English (US)	Esµañol		(UK)?	
Time		فارسني		(unit will re	start)
		Suomi			
Backlight		Français		Yes	No

→ Note: The unit automatically restarts once the language is selected.

Time

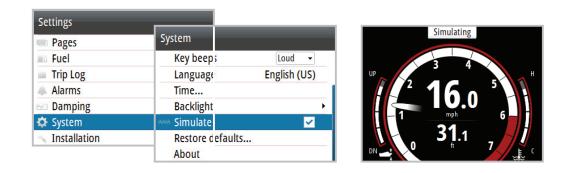
Set the preferred time / date format and the local time offset.

Sys	tem			
776	Network		Time	
1	Units		24/11/2014 14:15	
	Decimal places			GMT -06:00
	Key beeps	Loud -		
	Language	English (US)	Time format	24 hr
	Time		Date format	dd/MM/yyyy
	Backlight		01/	Cancel
		Network Inits Decimal places Key beeps Language	Network Units Decimal places Key beeps Language English (US) Time	Network Time Units 24/11/2014 14:15 Decimal places Local time offset Key beeps Loud Language English (US) Time Date format

Simulate

Sends simulated data to the gauge.

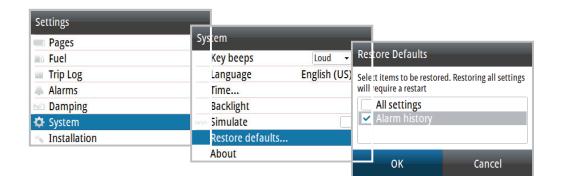
→ Note: All other gauges on the network continue to display the current boat data and do not change to simulate mode. A simulate warning box flashes on and off at the top of the display.

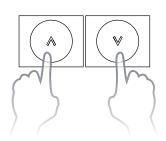


Restore defaults

Restore all system settings of the gauge to factory defaults.

→ Note: This is not a network function. This only resets and deletes history on the individual gauges selected.



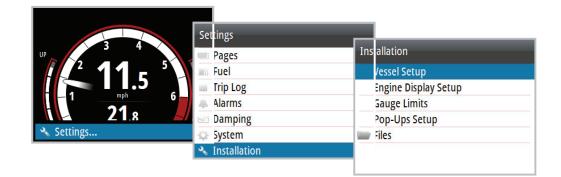


Forced factory reset

If the gauge does not respond to the normal restore procedures, press and hold the **UP** / **DOWN** keys while powering the unit on. A beep signifies the reset has been completed.

Installation

Via the Installation menu, access Vessel Setup, Engine Display Setup, Gauge limits and Pop-ups setup dialogs. Save and restore user data, upgrade the gauge and remote units software via the Files dialog.



Vessel setup

Set the number of engines, fuel tanks and total fuel capacity.

Pages	Installation		
Fuel	Vessel Setup	Vessel Setup	
Trip Log	Engine Display Setup	Number of Enginee	4
Alarms	Gauge Limits	Nuriber of Engines	1 •
🗠 Damping	Pop-Ups Setup	Number of Fuel Tanks	1 -
🗘 System	Files		
🔦 Installation		Total Fuel Capacity (gal)	0180.00
		ок	Cancel

→ Note: These settings are applied to all devices on the network.

Engine display setup

A maximum of two engine's data can be shown on each gauge. If the number of engines is set to two or more in the Vessel Setup, select which engine's data should be displayed via the Engine Display Setup.

Pages	Installation		
Fuel	Vessel Setup	Engine Display	Setup
Trip Log	Engine Display Setup		
Alarms	Gauge Limits	2 engines avail	able.
🗠 Damping	Pop-Ups Setup	En gine 1	Port -
System	Files	,	
🔧 Installation		En gine 2	Stbd



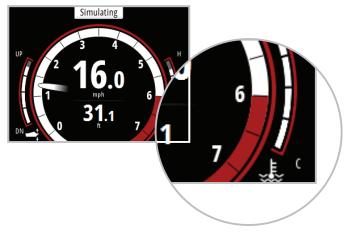
Gauge limits

Set the RPM and vessel fuel rate limits.

→ Note: These limits are a visual guide on the display and do not set alarms.

Vessel Setup	Gauge Limits	
Engine Display Setup	RPM	Limit
Gauge Limits	Limit	
Pop-Ups Setup	7000	4(00
Files	Red Line Start	6400
	VESSEL FUEL RATE	7(00
		Cancel 8(00

Example below shows rev limit start line set to 6000 RPM.



Pop-Up setup

Set the threshold and duration that pop-up information will be displayed when the engine trim, transmission and lever control is adjusted.

Pop-ups appear when the gauge sees a change in data that is greater than the set threshold.

Vessel Setup Pop-Ups Setup Engine Display Setup ENGL VE TRIM Gauge Limits Display Time Pop-Ups Setup Display Time Files Threshold 3% 3 jec TRIM TABS O f 10 grade 10 grade						Installation
Display Setup Display Time Gauge Limits Display Time Pop-Ups Setup Intreshold Files Threshold 3% Sec TRIM TABS Sec				p-Ops Setup	PO	Vessel Setup
Pop-Ups Setup Files TRIM TABS		Pop-Ups Setup				Engine Display Setup
Pop-Ups Setup Files TRIM TABS		Display Time				Gauge Limits
TRIM TABS				3 sec		Pop-Ups Setup
TRIM TABS 5 ;ec				Threshold		Files
10 cor						
OK Cancel 10 sec				TABS	TRIN	
		10 sec	Cancel	ок		
OK	Cancel					

Files

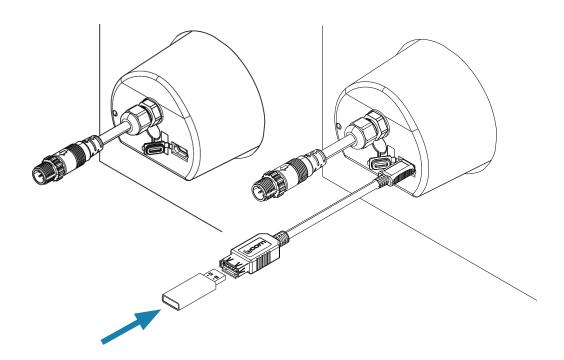
Access an attached USB device, import/export system settings, template page, vessel setup. Upgrade the software on the engine gauge and remote devices.

→ Note: Each gauge on the network needs to be upgraded individually.

Pages	Installation	
🗈 Fuel	Vessel Setup	Files
Trip Log	Engine Display Setup	🖬 🕸 USB Mass Storage
Alarms	Gauge Limits	Engine Interface v101.luf
🖉 Damping	Pop-Ups Setup	System Settings
🗭 System	📨 Files	
🔧 Installation		

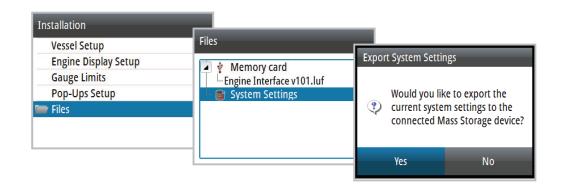
Connecting a Micro-USB device

- 1. Remove USB cover from the rear of the gauge
- Insert a USB Micro USB adaptor and mass storage device



Export system settings

- 1. Insert a USB Micro USB adaptor and mass storage device
- 2. Go to the Files menu
- 3. Select System Settings
- 4. Press ENTER to export system settings to the USB mass storage device



Import system settings

- 1. Insert a USB Micro USB adaptor and mass storage device
- 2. Go to the Files menu
- Select the Settings.iset file from the USB memory, the details dialog will appear. Press ENTER to confirm import

A Warning: Importing system settings overwrites all existing system settings and restarts the gauge!

Files	Details - Settin	gs.iset		
- Settings.iset	Туре	System Settings	Impo	rt
SuzukiEngInterface_v281.luf	Size	32.1 kB		Are you sure you want to import
Jystem Settings	Created	01/12/2014		system settings?
	Modified	01/12/2014	_	The display will restart.
		Ir		Yes No

Software

About

Shows the device information and current software version installed on the gauge. Press the **MENU** key to exit.

Pages	System			
Fuel	Key beeps	Loud 👻	About	
Trip Log	Language	English (US)	Product	IS35
Alarms	Time		Application	1.0.50.2.1
🗠 Damping	Backlight		Platform	13.0.29944-r1
🔅 System	Man Simulate		Serial numbe	r 2692849837
 Installation 	Restore defaults		Lar guage pac	k Standard
	About		Up time	
	ADOUL		Copyright 201	

To show the current version of software on a remote device go to the Device List and select the relevant device.

🖥 Network	Auto Select	Device List				
Units	Sources	Mod el ID	Serial N	Engne - Device Information		
Decimal places	Device List	Boat Sim [1]	J20100	Device:	Engine	
Key beeps	Diagnostics	IS3: Color Gauge	This de	Manufacturer: Software Ver:		
Language		Engine (Port)	25		MV1	C C
Time Backlight		Eng ne (Stbd)	26 S/N		25 25 0	Configure

Remote device software upgrade

Update the software for NMEA 2000 sensors.

- 1. Verify software version via the Device List
- 2. Save the update file to a USB mass storage device
- 3. Connect portable storage device to micro USB slot
- 4. Select the update file from the USB memory
- 5. When the details dialog appears, press ENTER
- 6. Press ENTER again to confirm upgrade

7. The upgrade progress dialog will appear. Press **ENTER** once upgrade is complete

Files					
📕 🌵 USB Mass Storage	Details - SuzukiEngInterface v28				
 Settings.iset Engine Interface v10 System Settings 	Туре	Dev	Remote Upgrad	: Progre	
	Size	22.	Device Name	Status	Upgrade Complete
,	Created	01/	Engine [100	Upgrad	
	Modified	12/			Upgrade Complete.
					ОК

IS35 Color Display software upgrade

- 1. Verify software version via the About dialog
- 2. Save the latest .upd file to a USB mass storage device
- 3. Ensure the gauge power is off
- 4. Insert USB mass storage device via the USB adaptor
- Turn the power on. The gauge will automatically begin the upgrade procedure
- 6. A message will appear on the gauge once the update is complete
- 7. Remove the USB device and replace the USB cover

A Warning: Do not remove the USB storage device until prompted to do so once the update is complete. Removing the USB storage device before the update is complete may cause the gauge to become unresponsive or require repair!

Maintenance

If the gauge needs to be cleaned, use fresh water and a mild soap solution (not a detergent). Avoid using chemical cleaners and hydrocarbons, such as diesel, petrol etc.

Checking the keys

Make sure that none of the keys are stuck in the down position.

Checking the connector

The connector should be checked by visual inspection only. Ensure that the cable is connected correctly and the USB port cover is in place.

Specifications

Weight	0.28 kg (0.60 lbs)				
Power	130 mA at 13.5V				
consumption	LEN 3				
Network load	Maximum 10 gauges				
Color	Black				
Display					
Size	3.5" (Diagonal) 4:3 Aspect ratio				
Туре	Transmissive TFT-LCD White LED back-light				
Resolution	320 x 240 pixels				
Illumination	White (day mode) Red / Green / Blue (night mode)				
Environmental Protection	IPX7				
Safe distance to compass	0.3 m (1.0 ft.)				
Temperature					
Operating	-15C to +55 °C (+5 to +131 °F)				
Storage	-25 to +65 °C (-13 to +149 °F)				





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