

Quick Start Guide

Simrad RS25/AHK05 VHF

English

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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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This Quickstart Guide is to be used with the Simrad RS25 VHF Radio Installation and Operation Manual.

Consult the Installation and Operation Manual for further information on the options described in this Quickstart Guide, and for information on other options; including radio setup and different DSC call types and options, troubleshooting, and channel charts.

FCC Statement

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a normal installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an output on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.
- A shielded cable must be used when connecting a peripheral to the serial ports.

Industry Canada

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

It is the owner's sole responsibility to install and use the instrument in such a manner that will not cause accidents, personal injury or property damage.

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Check out your RS25/AHK05 model

There are slight variations in the keys between the RS25U and RS25E models, and some features are not available on both models.

An optional handset can also be purchased and used with your RS25. There are two versions - the Simrad AHK05U handset (for use with the Simrad RS25U model) and the Simrad AHK05E handset (for use with the Simrad RS25E model).

This Quickstart Guide covers BOTH models of the RS25, with or without the optional handsets.



Simrad RS25U pictured with AHK05U optional handset



Turn the unit ON/OFF a	nd adjust the volume	
Base Unit	 To turn the base unit ON, turn the VOL knob clockwise. Turn counter-clockwise to turn the base OFF. Continue to turn until a comfortable volume is reached on the base speaker. 	VOL • PWR
Optional Handset	 Ensure the handset is fully charged, and the base unit is turned ON. To turn the handset ON, press and hold the Determined button. To turn the handset OFF, press and hold again until the unit turns off. When turned on, the handset will search for the base unit and establish the wireless link. This should take only a few seconds. Adjust the volume with the VOL and keys on the righthand side of the handset. Hold down VOL or to rapidly increase or decrease the volume or press quickly to step through the 8 different volume levels. This will not change the volume on the base unit speaker. NOTE: The optional Handset functions with the base unit is turned ON when using the handset. NOTE - FIRST TIME USE: the handset must first be Subscribed to the RS25 base unit - this function only needs to be performed once. See "Subscribing the Handset to the Base unit" section for details. 	VOL

Adjust the Squelch			
	1 Turn the SQL knob fully counterclockwise so that random noise is heard.		
	 Turn SQL slowly clockwise until the random noise disappears. 	SQL	
	3 Make another 1/4 turn clockwise for best reception in normal open sea conditions.		
Base Unit	In areas of high noise (eg close to large cities) reception may improve if sensitivity is reduced. Try turning SQL slowly clockwise or use the LOCAL setting (see the Installation and Operation Manual).		
	Adjust the squelch with the \textcircled{O} and \textcircled{O} keys on the handset. Hold down \textcircled{O} or \textcircled{O} to rapidly increase or decrease the squelch or press quickly to step through the 8 different squelch levels. The squelch setting on the base unit will temporarily change to match.	 ∧ 	
Optional Handset	When you put the handset back ON hook, the base unit squelch setting takes precedence again.		

Enter Data and Correct Errors

Enter Data and correct	
	Only 4 menu items can be displayed on the base unit LCD at any one time. Press CH () or CH () to scroll through a menu listing.
	Press Esc to return to the previous menu screen without saving changes OR press the rotary knob to confirm changes.
	To enter data, press CH \bigcirc or CH \bigcirc to step through the alphabet and numbers. Hold down CH \bigcirc or CH \bigcirc to scroll rapidly.
RS25U Base Unit and Microphone	You can also use the rotary knob to step through the alphabet and numbers, then press the knob to confirm each selection.
	To correct errors, press CH \bigcirc then select the < backup character on the LCD. Press the rotary knob to backup one space at a time.
	Only 4 menu items can be displayed on the handset LCD at any one time. Press \oslash or \oslash to scroll through a menu listing.
	Press esc to return to the previous menu screen without saving changes OR press entry to confirm changes.
	Press \otimes or \otimes to step through the alphabet and numbers. Hold down \otimes or \otimes to scroll rapidly.
Optional Handset	To correct errors, press \textcircled{O} then select the < backup character on the LCD. Press \textcircled{ENT} to backup one space at a time.

Enter Data using Alpha-mic: To enter data, use the alpha-numeric keypad on the microphone to enter the channel numbers and names directly. Each key has functionality shown below.



Use the CLR key to backup and the END key to confirm, or just wait for the cursor to advance automatically to the next position when entering data (similar to mobile phone operation).

RS25E Base Unit and Microphone To correct data errors, press CH then select the < backup character on the LCD. Press ENT to backup one space at a time.

AHK05 EU Microphone Key	0	1	2	3	4	5	6	7	8	9
Normal and Menu Mode	0	1	2	3	4	5	6	7	8	9
Edit Mode Push 1	0	1	2	3	4	5	6	7	8	9
Edit Mode Push 2	Space	-	А	D	G	J	М	Ρ	Т	W
Edit Mode Push 3	(В	E	Н	К	N	Q	U	Х
Edit Mode Push 4)	"	С	F	I	L	0	R	V	Y
Edit Mode Push 5	%	/	?	!	:	#	"	S	&	Z

Select the Radio Menu or the DSC Call Menu



PRESS CALL Menu.

HOLD DOWN CALL to show the Radio Menu.



CALL MENU

Set the Backlighting	Levels	
Base Unit	 Hold down to show the Radio Menu. Scroll through the menu listing to BACKLIGHT. Press Provide the or push the rotary knob. Press CH or CH to select the desired backlight level. There are 8 levels. Press Provide the rotary knob to store the setting. 	CALL MENU
Optional Handset	 Hold down to show the Radio Menu. Scroll through the menu listing to BACKLIGHT. Press or to select the desired backlight level. There are 8 levels. Press of to store the setting. 	MENU SELECT BUDDY LIST LOCAL/DIST >BACKLIGHT
Set the Contrast Leve	215	
Base Unit	 Hold down to show the Radio Menu. Scroll through the menu listing to CONTRAST. Press Press or push the rotary knob. Press CH or CH to select the desired contrast level. There are 8 levels. Press Press Pres	CALL MENU MENU SELECT
Optional Handset	 Hold down to show the Radio Menu. Scroll through the menu listing to CONTRAST. Press or o to select the desired contrast level. There are 8 levels. Press ENT to store the setting. 	BACKLIGHT >CONTRAST

How the microphone and optional handset work together						
Use the Intercom or Co	nference mode					
Base Unit and Optional Handset	 The Intercom mode works ONLY when one or two optional handset(s) are installed. 1 Hold down or constant or the to enter INTERCOM or CONFERENCE mode. Conference mode is only available when 2 handsets are connected, and is used to connect all 3 units together. This disables the radio receiver except for incoming DSC calls. 2 The intercom calls the other unit as detailed in the following table. 3 Press PTT when invited. 4 Press to exit the INTERCOM mode, insert separate row for Handset Intercom mode. 	WX IC IC H/L IC				
	5 For operation of the IC key see below.					

Using the IC key

The function of these modes will vary depending on the number of VHF AHK05 handsets connected:

- · If no Handsets are connected, pressing the IC key will generate an error beep.
- · If one handset is connected, pressing the IC key will enter Intercom mode.
- · If two handsets are connected pressing the IC key the operation will be as follows:

IC Key	1st press	2nd press	3rd press	4th press		
Main unit (MU)	Intercom with HS1	Intercom with HS2	Conference	Repeat cycle		
1st handset (HS1)	Intercom with MU	Intercom with HS2	Conference	Repeat cycle		
2nd handset (HS2) Intercom Intercom with MU Intercom Conference Repeat cycle						
Note: in this mode you must press ENT key to select the mode						

High and Low Power		
Microphone and Optional Handset	 Press HIL or HE to toggle between HI (High) and LO (Low) (25W or 1W) transmission power for the entire channel bank. A beep sounds and the selection is shown on the LCD. If HI power cannot be used with a particular channel, the annunciator automatically goes to LO power. If you press HL or HL again, an error beep sounds. 	H/L H/L IC
Priority Channel		
Base Unit, Microphone and Optional Handset	 Channel 16 and HI power are automatically selected at power up. 1 If you're on a working channel and want to check the priority channel for traffic, just press 16 or 69. 2 Press again to recall your working channel. NOTE: On the RS25US ONLY the priority channel can be set to Channel 09. To set this, just hold down 169 until Channel 09 appears on the LCD. 	16
Channel Select		
Base Unit and Microphone	The working channel is shown in BIG numbers on the LCD of the base unit. To step through the channels one at a time, press CH	+ = (1
Optional Handset	The working channel is shown in BIG numbers on the LCD of the optional handset. To step through the channels one at a time, press or to display each channel. To change channels rapidly, hold down or or on the optional handset to scroll through the channels.	< CH >

Select a Favorite Chan	nel	
Base Unit and Optional Handset	1 Press 3CH to toggle through each of the three favorite channels until the desired channel is shown.	ЗСН
Store 3 Favorite Chann	els	
Base Unit and Optional Handset	 Select the channel. Hold down 3CH to store this channel as your first favorite channel, CH1. Repeat to store your second favorite channel as CH2. Repeat again to store your third favorite channel as CH3. 	ЗСН
Scan/Stop Scanning a	Favorite Channel	
Base Unit and Optional Handset	 Select the favorite channel. Press 3CH then immediately press and release SCAN. Press SCAN again to stop. 	3CH SCAN
Scan all 3 Favorite Cha	nnels	
Base Unit and Optional Handset	 Press 3CH then immediately press and hold down SCAN. Press SCAN again to stop. 	3CH SCAN
Delete a Favorite Chan	nel	
Base Unit and Optional Handset	 Select the favorite channel. Hold down (3CH) until a confirmation message appears on the LCD. Select YES to delete. 	зсн

Select ALL SCAN mode			
Base Upit and	1	Hold down (CAN) to start scanning all channels (and the priority channel every 1.5 seconds). NOTE: In some European countries, scanning is not allowed. When a signal is received, scanning stops at that channel and BUSY appears on the LCD.	SCAN
Optional Handset		Press ENT to skip over an 'always busy' channel and resume scanning.	
	2	Press SCAN to stop at the current channel.	
Select the Channel Ba	nk	(RS25US ONLY)	
	1	Hold down CALL to show the Radio Menu.	
	2	Scroll through the menu listing to RADIO SETUP then press ENT or push the rotary knob.	CALL MENU
Base Unit and	3	The cursor is at UIC. Press ENT or push the rotary knob to display a choice of channel banks.	RADIO SETUP >UIC CH NAME
Optional Handset	4	Press CH () or CH () to select the desired channel bank, then press (NT) or push the rotary knob to confirm.	RING VOLUME

Show the weather ar	d fishing information	
Base Unit	 Press Info. A histogram of the barometric pressure readings over the past 24 hours is shown on the base unit LCD, with a digital readout of the current temperature. The Happy Fish indicator bars show the likelihood of good fishing. The weather icon shows the weather forecast. 	Info
Optional Handset	 Hold down to show the Radio Menu. The cursor is at INFO DATA. Press For to select this. Select ON. Press For . The current barometric pressure and temperature are shown as digital readouts. SNR is shown when handset is OFF HOOK The Happy Fish indicator bars, when triggered, show the likelihood of good fishing. The weather icon shows the weather forecast. 	CALL MENU SINFO DATA BUDDY LIST LOCAL/DIST

Make a call to an individual				
Base Unit and Optional Handset	 Press CALL to show the DSC CALL Menu. The cursor is at INDIVIDUAL. Press or push the rotary knob. Select either: MANUAL NEW to call someone who's not in your buddy list, then enter their MMSI and press ENT or push the rotary knob. Seroll through the buddy list to find name of the buddy you want to call, then press ENT or push the rotary knob. Select the working channel and press ENT or push the rotary knob. Press ENT or push the rotary knob again to send the call. The call will be acknowledged when it is received and the working channel is automatically selected. Press PTT to talk; release PTT to receive a reply. NOTE: DSC calling is disabled until you enter a legal USER MMSI number. This also applies to ATIS inland waterway operation in European countries. See the Installation and Operation Manual to perform this ONCE-ONLY setup. 	CALL MENU DSC CALL >INDIVIDUAL LAST CALL GROUP INDIVIDUAL >MANUAL NEW BUDDY 1 BUDDY 2		
Create your Buddy List				
Create your Buddy Li Base Unit and Optional Handset	 St You can store the names and MMSIs of 20 individuals in your buddy list. 1 Hold down All to show the Radio Menu. 2 Scroll through the menu listing, if necessary, to BUDDY LIST. 3 Press or push the rotary knob. 4 The cursor is at MANUAL NEW. Press or push the rotary knob. 5 Enter the buddy name (maximum of 12 characters) and the MMSI. 6 Press or push the rotary knob when you're finished, then press or push the rotary knob again to store the new buddy name. The new buddy name appears immediately in your buddy list. 7 Repeat the procedure to store another buddy name. 	ENTER NAME ENTER MAME ENTER MMSI 		

Make a DSC Distress Call				
Base Unit and Optional Handset	 Open the red DISTRESS cover. If time is available to specify the nature of the distress, press and release the DISTRESS key to show the categories. Scroll to your category then press ENT or push the rotary knob. Hold down the DISTRESS key for about 3 seconds until you see the message DISTRESS CALL SENT on the LCD. The LCD flashes and loud beeps sound. The distress call is repeated automatically every few minutes until an acknowledgement is received or until you press ESC to cancel it. UNDEFINET ABANDON PIRACY OVERBOAR 	D NG RD		
Receiving a Distress Acknowledgement from a coast station				
 The radio automatically cancels your distress call and tunes to CH16. Press PTT to talk with the Coast Guard. 				
Receiving a Distress Call				
An alert sounds and the Press any key to sto Make voice contact Position and time data a the DISTRESS CALL LOG	r RS25 automatically tunes to CH16. p the alert. on CH16 and lend assistance if needed. and the vessel's MMSI are shown on the LCD, and the data is recorder	d in		
Receiving a Distress F	Relay			
 An alert sounds. Press any key to stop the alert. Maintain a listening watch on CH16 and standby to lend assistance. 				

Charging your AHK05 Handset		
	To charge the handset:	
	1. Connect 12VDC source to the handset charger cradle	
	 Place the handset into the charger cradle. The handset display will show the text: "POWER ON CONNECTING" and then "CHARGING" 	
	3. Leave on charge for at least 3 hours.	
	 When the battery is fully charged, the display text will change to "BATTERY FULL" 	
	5. The handset can remain in the charger.	
	To check the handset battery level:	
Optional Handset	1. Press and hold the ESC key	
	2. The LCD will display the battery level with 1 to 4 bars:	
	1=Needs charging; 2-3=normal operation; 4=Fully charged.	

Subscribing the AHK05 handset to the RS25 base unit		
Base and Optional Handset	Subscribing the Handset to the Base unit:	
	1. Ensure the handset is fully charged	
	2. Turn the base unit ON	
	3. Select "Subscribe" on the base unit Radio Setup menu	
	4. Turn the handset ON; you must be within operational range of the base unit	
	5. The handset will display "Success", and then operate normally with the base unit.	
	To Un-Subscribe the Handset from the Base unit:	
	 You may wish to un-subscribe a handset from your base unit to use on another base unit. 	
	On the base unit, select "Handset", "Clear Code" and "Yes" from the setup menu.	
	 After a few seconds, the handset will display "Search Host" and no longer be subscribed to the base unit. 	
	4. The handset can subscribed to another base unit if needed.	

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