

The AHS81 and AHS82 have been designed with simple operation in mind for ease of use, even in installations that have one station of each type. The handsets are fully waterproof and designed for all environments from the navigation station to the open cockpit.

### 1.1.1 About this manual

This manual combines operating and installation information on both the RS81 and RS82 and is divided into four main parts. As the handsets have differing layouts and functions are accessed in different ways, we recommend that you familiarise yourself with the information pertaining to the product that you have purchased prior to installation or use. This will facilitate full understanding of the many operating features and ensure straightforward installation.

### Thank you for choosing Simrad!

If you are pleased with your VHF radio, we hope you will be interested in our range of marine electronic equipment, which is manufactured to the same high standards as the RS81/RS82. Please contact your nearest Simrad agent for a catalogue showing our increasing range of high-tech navigational instruments, GPS, Autopilots, Radar, Echosounders, Chartplotters and VHF radio sets.

Simrad operates a policy of continual development and reserve the right to alter and improve the specification of their products without notice.

## 1.2 Radio Frequency Exposure Guidelines (*US only*)

To meet FCC (Federal Communications Commission) rules on Radio Frequency Exposure, it is recommended that the VHF antenna is mounted at least 3 m (10 ft) away from any area accessible to any personnel onboard. If this distance is achieved by vertical separation, the antenna must be at least 5 m (16.5 ft) above deck to allow for the height of an adult. *This guideline applies only to antennae not exceeding 9dBi gain.*

In order to comply with the FCC's Maximum Permissible Exposure (MPE), the radio operator is responsible for ensuring that there is no personnel within this range before transmitting.

### WARNING

**Failure to observe these recommendations may expose those within the MPE radius of 3 m (10 ft) to RF absorption levels that exceed the FCC safe limits.**

13.4 Channel Frequencies

Channel Designators	Tx	INT Rx	USA Rx
0	156.000	156.000	156.000
60	156.025	160.625	
01	156.050	160.650	156.050
61	156.075	160.675	156.075
02	156.100	160.700	
62	156.125	160.725	
03	156.150	160.750	156.150
63	156.175	160.775	156.175
04	156.200	160.800	
64	156.225	160.825	156.225
05	156.250	160.850	156.250
65	156.275	160.875	156.275
06	156.300	156.300	156.300
66	156.325	160.925	156.325
07	156.350	160.950	156.350
67	156.375	156.375	156.375
08	156.400	156.400	156.400
68	156.425	156.425	156.425
09	156.450	156.450	156.450
69	156.475	156.475	156.475
10	156.500	156.500	156.500
70	156.525	156.525	156.525
11	156.550	156.550	156.550
71	156.575	156.575	156.575
12	156.600	156.600	156.600
72	156.625	156.625	156.625
13	156.650	156.650	156.650
73	156.675	156.675	156.675
14	156.700	156.700	156.700
74	156.725	156.725	156.725
15	156.750	156.750	156.750
75	156.775	156.775	156.775
16	156.800	156.800	156.800
76	156.825	156.825	156.825
17	156.850	156.850	156.850
77	156.875	156.875	156.875

Channel Designators	Tx	INT Rx	USA Rx
18	156.900	161.500	156.900
78	156.925	161.525	156.925
19	156.950	161.550	156.950
79	156.975	161.575	156.975
20	157.000	161.600	161.600
80	157.025	161.625	157.025
21	157.050	161.650	157.050
81	157.075	161.675	157.075
22	157.100	161.700	157.100
82	157.125	161.725	157.125
23	157.150	161.750	157.150
83	157.175	161.775	157.175
24	157.200	161.800	161.800
84	157.225	161.825	161.825
25	157.250	161.850	161.850
85	157.275	161.875	161.875
26	157.300	161.900	161.900
86	157.325	161.925	161.925
27	157.350	161.950	161.950
87	157.375	157.375	157.375
28	157.400	162.000	162.000
88	157.425	157.425	157.425
29	—	—	157.450
89	—	—	157.475
WX01	—	—	162.550
WX02	—	—	162.400
WX03	—	—	162.475
WX04	—	—	162.425
WX05	—	—	162.450
WX06	—	—	162.500
WX07	—	—	162.525
WX08	—	—	161.650
WX09	—	—	161.775
WX10	—	—	163.275

Note: Duplex channels are marked in grey.

Designa- tion	Tx	Rx	Country
M	157.850	157.850	UK
M2	161.425	161.425	UK
31	157.550	161.150	Holland / Belgium
96	162.425	162.425	Belgium
L1/1L	155.500	155.500	Scandinavia
L2/2L	155.525	155.525	Scandinavia
L3/3L	155.650	155.650	Scandinavia (not Denmark)
F1/1F	155.625	155.625	Scandinavia
F2/2F	155.775	155.775	Scandinavia
F3/3F	155.825	155.825	Scandinavia

The supplementary table (see left) lists further channels, which may be fitted to your radio. These are only licensed for use in the countries indicated. No attempt should be made to use them in any other country.

Note that channels 02, 04, 60 and 62 are not available in the US.

NOTE

Ch 0 will only be made available in the UK to Coastguard users with written authorisation.

Channel 70 is the designated *Digital Selected Calling* (DSC) channel and may not be used for voice transmissions.