

# SX 35 DSC /ATIS Operation Manual

SX 35 DSC /ATIS is a combination of two functions, SEA mode and WATERWAYS mode. SEA mode operates on the Class D of DSC function. WATERWAYS mode operates on ATIS function of inland waterway. The procedures of switching to WATERWAYS mode and a registration of the ATIS CALL SIGN are as follows:

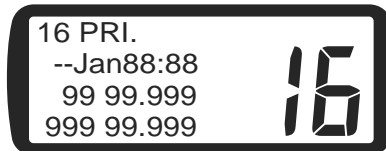
## Switching to WATERWAYS mode

To switch to WATERWAYS mode:

- Power-On screen is set up as SEA mode. Use the **SELECT** knob to select **WATERWAYS** on the screen.



- Press the **ENT** key. Then, normal WATERWAYS mode screen appears.



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## NOTE

Following keys will not operate in WATERWAYS mode. A beep error tone is emitted when press them.

SCAN key

MEM key

CALL key

Also note that **DIRECTORY**, **DATA SET**, **MMSID SET** and **NMEA SET** will not be displayed in Menu topics on WATERWAYS mode.

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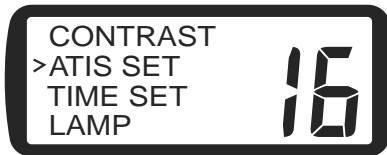
## How to set ATIS CALL SIGN

To set ATIS CALL SIGN:

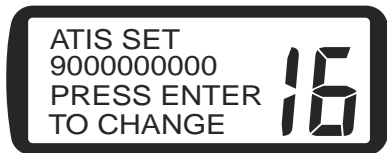
- Press the **(MENU)** key. MENU topics appear in the display.



- Rotate the **SELECT** knob to position the cursor on the **ATIS SET** topic.



- Press the **(ENT)** key. The **ATIS SET** screen appears in the display.



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### NOTE

ATIS CALL SIGN should be replaced with 10 digits of numeral and input. If you are not sure how to replace your ATIS CALL SIGN with 10 digits of numeral, please ask your dealer.

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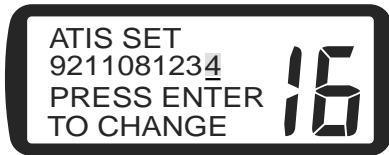
- Press the **(ENT)** key.



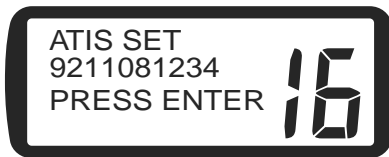
- The cursor positioned after “9” is blinking. The first numeral is always “9”. Input the rest of 9 numerals using the **SELECT** knob or the microphone keys. The cursor moves automatically on the microphone opera

tion. Or press the (ENT) key after inputting each numeral using the SELECT knob.

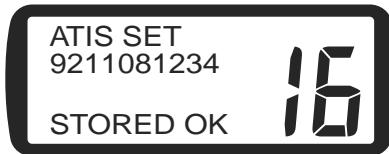
- If mis-input the numeral, press the (EXIT) key of the microphone to go back the cursor to the previous position. This operation cannot be done from the unit.
- When all ATIS CALL SIGN is input, the cursor will be blinking under the last digit position.



- Press the (ENT) key.



- Press the (ENT) key again. **STORED OK** appears briefly in the lower line of the display completing the entry.



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#### CAUTION NOTE

Confirm the numerals you input. The registration of ATIS CALL SIGN is allowed one time only. If you find the error in numerals, return to the Menu topics by pressing (MENU) key, and input the correct numerals on **ATIS SET** screen. Check the numerals again.

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- Then, returns to the Menu topics. Press the (END) key. The normal WATERWAYS mode screen appears.

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## NOTE

If you use the WATERWAYS mode without finishing the **ATIS SET**, this unit will not be changed to the transmit mode. In this situation, an error beep sounds even if press the **PTT** key of microphone. TX indication does not appear in the display.

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- Regarding the explanation and operation for other functions on Menu topics, read the SX 35 DSC owner's handbook.

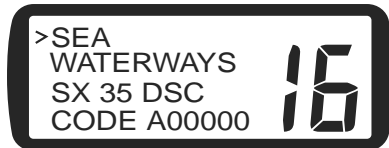
### Switching to SEA mode

To switch to SEA mode from WATERWAYS mode:

- Once Power-Off the unit and Power-On again a few seconds later. In this case, the screen starts from WATERWAYS mode.



- Use the **SELECT** knob to select **SEA** on the screen.



- Press the **(ENT)** key. The screen changes to the normal SX 35 DSC communication mode (SEA mode).



- Now ready to operate in SEA mode.

## Channel Table 1 of 2

Channel		Specific footnotes	Transmitting frequencies (MHz)		Ship-to-ship	Ship-to-port	Naut. inform.
			Ship	Land			
	60	a)	156.025	160.625			x
01		a)	156.050	160.650			x
	61	a)	156.075	160.675			x
02		a)	156.100	160.700			x
	62	a)	156.125	160.725			x
03		a)	156.150	160.750			x
	63	a)	156.175	160.775			x
04		a)	156.200	160.800			x
	64	a)	156.225	160.825			x
05		a)	156.250	160.850			x
	65	a)	156.275	160.875			x
06		a) b)	156.300	156.300	x		
	66	a)	156.325	160.925			x
07		a)	156.350	160.950			x
	67	a) c)	156.375	156.375			x
08		a) p)	156.400	156.400	x		
	68	a)	156.425	156.425			x
09		a) b) d)	156.450	156.450			x
	69	a)	156.475	156.475			x
10		e)	156.500	156.500	x		
	70	a)	156.525	156.525	Digital selective calling for distress, safety and calling		
11			156.550	156.550		x	
	71		156.575	156.575		x	
12			156.600	156.600		x	
	72	a) q)	156.625	156.625	x		
13		f)	156.650	156.650	x		
	73	f) g)	156.675	156.675			x
14		p)	156.700	156.700		x	
	74	a)	156.725	156.725		x	



## Explanation of specific footnotes in Channel Table

- a) In some countries, it is strictly prohibited to use this channel. (\*)
- b) This channel is not allowed to be used between Rhine km 150 and km 350.
- c) In the Netherlands, this channel is used for on-scene communications during safety operations on the North Sea, IJsselmeer, Waddenzee, Ooster-and Westerschelde.
- d) This channel may also be used for piloting, mooring, tugging and for other nautical purposes.
- e) This channel is the first ship-to-ship channel, unless the competent authority has designated another channel.

In some countries, it is allowed that the output power is set to a value between 6 and 2.5W until 1 January 2005. (\*)

- f) In some countries, this channel is used for service category ship-to-port authorities. (\*)
- g) In the Netherlands, this channel is used by its national coastguard for communications during oil pollution operations on the North Sea and for safety messages for the North IJsselmeer, Ooster-and esterschelde.
- h) This channel may be used only for service category on board communications.
- i) This channel may be used only for communications between seagoing vessels and participating land stations in case of distress and safety communications within the maritime areas.  
In some countries, this channel may be used only for distress, safety and calling. (\*)
- j) The output power shall be reduced automatically to a value between 0.5 and 1W.
- k) This channel may be used for communications with a social character.

- l) In the Netherlands and Belgium, this channel may be used for transmitting messages concerning bunkering and victualling. The output power has to be reduced manually to a value between 0.5 and 1W.
  - m) This channel may also be used for public correspondence.
  - n) The availability of this channel is on a voluntary basis. All existing equipment shall be capable of operating on this channel within a ten-year period after the entry into force of this Arrangement.
  - o) After permission of the competent authority, this channel may be used only for special events on a temporary basis.
  - p) In the Czech Republic this channel is used for service category nautical information.
  - q) In the Czech Republic this channel is used for service category ship-to-port authorities.
  - r) This channel is used for the Netherlands only.
- (\*) In some countries, certain channels are used for another service category or other radio services. These countries are Austria, Bulgaria, Croatia, Hungary, Moldova, Romania, the Russian Federation, the Slovak Republic, the Czech Republic (with exemption of channels 08, 09, 72, 74 and 86), Ukraine and the Federal Republic of Yugoslavia. The Administrations concerned should make any possible attempt to make these channels as soon as possible available for the radiotelephone service on Inland Waterways and the required service category.