

Addendum

The following sections are added to the 9390 Marine transceiver User guide, Codan part number 15-04068 Issue 1, May 1996.

Options factory fitted in your transceiver

Code	Description
C	CICS—access to Computer Interface Command Set through transceiver's I ² C adaptor (accessory) or RS-232 port.
D	Data—support for 9001/9002 fax/data modems.
I	IPC-500—support for IPC-500.
LD	Local Diagnostics—local diagnostics such as dB volts display and SWR.
RC	Remote Control—support for control of transceiver by 8570/8571 remote control system.
RDD	RDD Telcall—telcall format for use with RDD bases (needs SEL or T).
SEL	Selcall: Full—send and receive selcall, group call, page call, selective beacon call, status call and telcall.
TP	Tx Power Select—selectable transmit power level.
TxD	TxD—sets channel programming capability.
U	Upper Sideband—upper sideband on transmit frequencies.



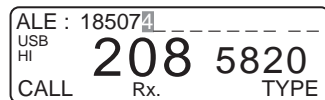
ALE call

ALE calls allow you to use both numeric and alphanumeric station IDs. A numeric ID is a 6-digit number or less. An alphanumeric ID is either a number greater than six digits or an ID containing one or more of the characters 'A-Z', '@' and '?'. Maximum length is 15 characters.

Before you can send an ALE call, you need to:

- set up your alphanumeric ID if you intend to call an alphanumeric ID (refer to the *9390 Marine transceiver Reference manual, Addendum*)

A typical display screen is given below.



The top line of the display shows the ID of the last station called.



Status call

A status call enables you to obtain information about a remote transceiver or control equipment connected to it without assistance from the operator at the remote station.

There are three types of status call:

- type 1: remote diagnostics call—obtains diagnostic measurements of the remote transceiver
- type 2: remote config call—obtains some configuration details of the remote transceiver
- type 3: user status call—controls equipment at the remote station by sending commands that the remote transceiver automatically passes on to connected equipment.

The remote transceiver responds to your status call by sending back the requested information. This information is recorded in your call memory for you to review.

Expect a longer delay for a remote diagnostics call since the remote transceiver must take several measurements before it can send the reply.

A transceiver receiving a status call does not record the call or alert the operator.


If the station you are calling has set up a privacy key, you will need to set up the same privacy key in your transceiver to be able to receive status information from this station.

Before you can send a status call, you need to:

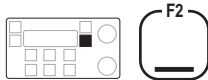
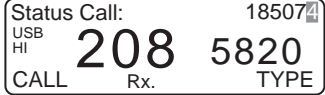
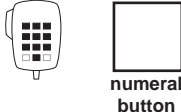
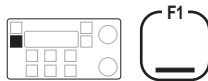
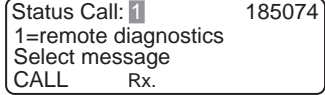
- make sure that the use of status calls is switched on (refer to the *9390 Marine transceiver Reference manual, Addendum*)
- make sure that the station you are calling is also set up for receiving status calls
- check if you need to match the other station's use of a privacy key (refer to the *9390 Marine transceiver Reference manual, Chapter 5, Call privacy on/off*)

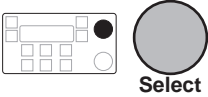
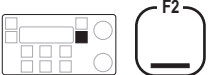
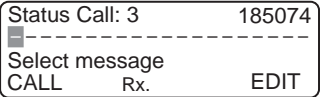

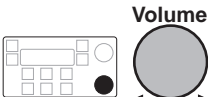
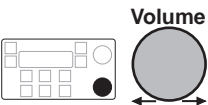

- set up your ID (refer to the *9390 Marine transceiver Reference manual, Chapter 8, Selcall ID setup*)
- set up a channel for selcalling (refer to *9390 Marine transceiver Reference manual, Chapter 3, Channel and scan table setup*).


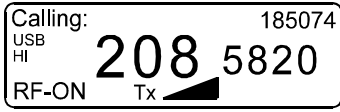
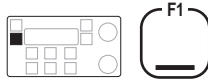

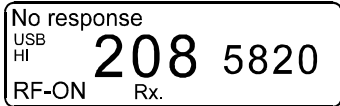
To send a status call:

Action	Notes
<p>1. To find a good channel to use, send selective beacon calls on the frequencies scanned by the other station.</p>	<p>See <i>Selective beacon call</i> on page 5-10.</p>
<p>2. In Channel mode, select the best channel and wait until the channel is clear of all voice and data traffic.</p>	
<p>3. Press</p>	<p>Example of the display:</p> 

The top right position of the display shows the ID of the last station called.

Action	Notes
<p>4. Repeatedly press</p>  <p>until you see Status Call displayed on the top line.</p>	<p>Example of the display:</p> 
<p>5. Enter the ID you want to call (if different to the one displayed)</p> 	<p>If the transceiver beeps when you try to enter the ID, the channel has been set up with a fixed ID. Refer to the <i>9390 Marine transceiver Reference manual, Chapter 8, Selcall ID setup</i>.</p>
<p>6. Press</p> 	<p>The display shows the last type of status call sent, for example, a remote diagnostics call:</p> 

Action	Notes
<p>7. Select one of the three types of status call using</p>  <p>Have you selected type 1 or 2?</p> <p>Yes ➤ Step 10. No ➤ Step 8.</p>	<p>The status call types are:</p> <ul style="list-style-type: none"> 1 remote diagnostics 2 remote config 3 user status.
<p>8. To edit the message for a user status call, press</p> 	<p>Example of the display:</p> 
<p>9. Select each character using</p>  <p>and move between characters using</p> 	<p>Enter up to 63 characters.</p> <p>To scroll any hidden part of the message into view, rotate</p>  <p>To clear existing text, press</p> 

Action	Notes
<p data-bbox="1357 220 1733 279">10. To send the status call, press</p> 	<p data-bbox="1807 220 2145 247">Example of the display:</p> 
<p data-bbox="1491 411 1697 438">or</p> 	<p data-bbox="1807 411 2145 502">While your transceiver waits for call acknowledgment, the display looks like this:</p> 
	<p data-bbox="1807 662 2145 753">If the call was successful, the display immediately reverts to the channel mode display.</p>
	<p data-bbox="1807 791 2145 882">If after 60 seconds the call was unsuccessful, the display looks like this for three seconds:</p>
	

Action	Notes
11. To view the results of your status call, check the call memory for the types of display shown below.	<p>Call memory holds the information that the remote transceiver sent back to you.</p> <p>In call memory the information scrolls across the screen after a few seconds (see <i>Chapter 6, Reviewing and returning calls held in memory</i>).</p>

Remote diagnostics call display:	<table border="1"> <tr> <td>Review:1</td> <td>Chan:208</td> </tr> <tr> <td>185074</td> <td>23/03 20:18</td> </tr> <tr> <td>Rx=11.2V</td> <td>Tx=10.3V Gai</td> </tr> <tr> <td>CALL</td> <td>DELETE</td> </tr> </table>	Review:1	Chan:208	185074	23/03 20:18	Rx=11.2V	Tx=10.3V Gai	CALL	DELETE
Review:1	Chan:208								
185074	23/03 20:18								
Rx=11.2V	Tx=10.3V Gai								
CALL	DELETE								
nnnnnn dd/mm hh:mm	ID of caller / date time								
Rx=nn.nV	Voltage in receive								
Tx=nn.nV	Voltage in transmit								
S1=nnnμV	Signal strength of received call (μV EMF)								
S2=nnnμV	Signal strength two seconds after call was received (μV EMF)								
Gain=On/Off	RF gain setting								
SWR=n.n	SWR of the antenna								
Pwr=nnnW	Power output of the transmitter (Watts)								
PA=400	Indicates transceiver has 400W PA								

Action	Notes
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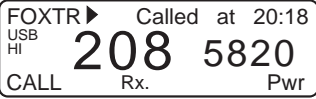
11. (cont.)

Remote config call display:	<table border="1"> <tr> <td>Review:1</td> <td>Chan:208</td> </tr> <tr> <td>185074 23/03</td> <td>20:18</td> </tr> <tr> <td>S SLO GPS ALE</td> <td></td> </tr> <tr> <td>CALL</td> <td>DELETE</td> </tr> </table>	Review:1	Chan:208	185074 23/03	20:18	S SLO GPS ALE		CALL	DELETE
Review:1	Chan:208								
185074 23/03	20:18								
S SLO GPS ALE									
CALL	DELETE								
nnnnnn dd/mm hh:mm	ID of caller / date time								
nnn-nnn/nn.nn	Main processor: last 6 digits of 90-20nnn-nnn software set number/software version number								
nnn-nnn/n.nn	Control head: last 6 digits of 90-20nnn-nnn software set number/software version number								
TxD/TxE/TxP	Channel programming capability								
S	Selcall option (S or SEL) fitted								
SLO	Selcall lockout option fitted								
ES	Emergency selcall option fitted								
GPS	GPS option fitted								
ALE	ALE option fitted								
AM	AM option fitted								
User status call display:	<table border="1"> <tr> <td>Review:1</td> <td>Chan:208</td> </tr> <tr> <td>185074 23/03</td> <td>20:18</td> </tr> <tr> <td>returned message</td> <td></td> </tr> <tr> <td>CALL</td> <td>DELETE</td> </tr> </table>	Review:1	Chan:208	185074 23/03	20:18	returned message		CALL	DELETE
Review:1	Chan:208								
185074 23/03	20:18								
returned message									
CALL	DELETE								
nnnnnn dd/mm hh:mm	ID of caller / date time								
returned message	Message returned from remote transceiver								



Receiving Calls


Add the following received call type to the table in *Chapter 6, Receiving selective calls.*

Call	Message on the display	Alarm	Notes
Alpha ALE call		Two short beeps	ALE call using alphanumeric IDs. If ID of caller is followed by an arrow, refer to call memory for complete ID.



Reviewing calls held in memory

Add the following received call type to the table in *Chapter 6, Reviewing and returning calls held in memory.*

Call	Call memory display	Entry details
Alpha ALE call		ID of caller (alphanumeric), date and time information.



Operating the transceiver from a computer

Due to an upgrade in software, the following commands and responses are available.

Commands entered at the computer

Command	Meaning
ALECALL=<ID>,S	Sends an ALE call. If you specify option S , the call is sent silently with the loudspeaker switched off.
ALPHAID= <alphanumeric ID>	Sets your alphanumeric ID. It can consist of up to 15 of any of the characters: 'A-Z', '0-9', '@' and '?'.
SIDEBAND=AM	Changes the sideband setting for the current channel. If the channel does not allow the sideband setting to be changed, nothing happens.
STATUSACK=<ID>, "<message>",S	Sends a reply to acknowledge that a user status call has been received. This command is typically generated automatically by equipment connected to the transceiver. If you specify option S , the call is sent silently with the loudspeaker switched off.

Command	Meaning
STATUSCALL=<ID>," <message>",S	Sends one of the three types of status call: a remote diagnostics call for message "1", a remote config call for message "2", or a user status call for any other message up to 63 characters. If you specify option S, the call is sent silently with the loudspeaker switched off.
STATUSTIME=<timeout>	Sets the status call reply timeout in the range 1–255 seconds. The transceiver waits this time for connected equipment to respond to a user status command before sending a negative acknowledgment.
STATUSTIME?	Shows you the current setting of the status call reply timeout in seconds.
VER?	Shows you the version of the command set supported by the transceiver.

Computer display in response to a command

Message	Meaning
ALE-LINK: FAIL	Your ALE call failed because no ALE link could be established.
ALE-LINK: <channel number>, <ID of other station>, <your ID>,<time of call>	You successfully sent or received an ALE call.
CALL SENT	Your call has been sent.

Message	Meaning
CALL STARTED	Your call has started.
NO ALPHA SELF ID	You tried to send an ALE call to an alphanumeric ID but your own alphanumeric ID is unset.
NO EXTERNAL UNIT CONNECTED	You sent a user status call to a station that is not connected to a computer.
NO RESPONSE	Your call has not been acknowledged.
SIDEBAND:AM	A control panel was used to change the sideband setting for the current channel.
STATUS-CALL-ACK: <channel number>, <ID of other station>, <your ID>,<time of call>, “<message>”	You received an acknowledgment to your status call.
STATUSCALL: <channel number>, <ID of other station>, <your ID>,<time of call>, “<message>”	You received a user status call.
STATUSTIME:<timeout>	Response to a STATUSTIME? command showing you the status call reply timeout in seconds.
CICS:V<version number>	Response to VER? command showing you the command set version number (for example, V2.00).