



# 9390/9680 software upgrade

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## Introduction

This service bulletin affects users of split-site/single-site remote control systems and marine transceivers with software versions 4.00 to 4.31. The affected system may include an IPC-500 telephone interconnect unit, an Automatic Link Establishment (ALE) controller, a Global Positioning System (GPS) receiver, or a Codan data modem 9001/9002.

## Symptoms

There are a variety of symptoms that may indicate the requirement for a software upgrade. These symptoms include:

- the transceiver possibly displaying an invalid position for a period of time after the transceiver has been switched on
- a scanning split-site, remote controlled system with an attached IPC unit sending revertive beeps on the wrong channel in response to a selcall
- hearing two sets of revertive beeps when a selcall is sent to a split-site, remote controlled system
- returning calls stored in call memory on the wrong sideband, if those calls have been received on a channel that has optional (U/L) sideband available
- a single-site remote control system with a data modem 9001/9002, and *no* ALE controller, not allowing the modem to PTT in response to an incoming data call if the system is scanning at the time of the call
- a system with an ALE controller pausing scan mode when it detects incoming signals until either an ALE call is received, the selcall decoder detects any activity, or an attached data modem's Q-line is toggled, indicating a data signal may have been detected

- a remote control system with ALE and a data modem 9001/9002 resuming scan mode two seconds after the ALE is established, then establishing a data link on the channel on which the ALE link was previously established
- a remote controlled system with a 9001/9002, not allowing an ALE link to be established prior to a data call
- displaying the **Tune failed** message, on specific frequencies, during tuning of the 9350 antenna, even when the 9350 tunes correctly

## Action

Users of split-site/single-site, remote control systems and marine transceivers with any of the following equipment and software versions 4.00 to 4.31 inclusive must upgrade to software version 4.34:

- an IPC-500 telephone interconnect unit
- a GPS receiver
- an ALE controller
- a 9001/9002 data modem

The remote control software must also be upgraded to version 5.10 or later.

### Finding the software version of your transceiver using the remote control console

- Press **Function**, then enter the function code **10** within two seconds followed by **Enter**.

The display on the remote control console will show the software version of the transceiver.

### Finding the software version of your transceiver using the transceiver

- Press **Mode** until you see a display that is similar to the following.

Option TxE	
No of Channels:	12
	SLOES
EXIT	NEXT

- Rotate **Select** or press **F2/NEXT** until you see the software version for the transceiver.

## Compatibility

Software version 4.34 supports Computer Interface Command Set (CICS) version 2.11. It is fully backward compatible with CICS version 2.00. This software version should be used with remote control software version 5.10 or later. It is possible to use an earlier version of the remote control software, but a large amount of the Computer Interface Command Set (CICS) functionality will be lost.

For further information on software compatibility, see Service Bulletin “9323/9360/9780/9390 Software Compatibility Summary”, Codan part number 17-00156.