



AL-7103 MKII

Maritime Stabilized VSAT System

Technical Note



SBC Upgrade Procedures

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Rev. _

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1 INTRODUCTION

1.1 Purpose

This document establishes the SBC upgrade procedures, for in-storage/spare SBCs.

1.2 SBC Upgrade Checklist

Perform the Upgrade procedure as directed by the Routing Card, below.

1.3 Required Tools and Equipment

1. Philips screwdrivers set
2. Open wrench, 5/16"
3. Open wrench, 3/16"
4. Wrench key, 3/16"
5. Hot glue gun
6. Tie wire
7. Tie Wraps.

SBC UPGRADE ROUTING CARD

SBC: P/N: _____ S/N: _____ MOD VER: _____ S/W VER: _____

Operation / Task / Procedure	Refer to Section No.	Performed By:	Date
LAN cable replacement	Section 2.1		
Memory card tie-up and gluing	Section 2.2		
Software loading/update	Section 2.3		
Post Upgrade Test	Section 2.4		

UPGRADE Performed By:

Name

Date

Q.A. Approved By:

Name

Date

2 SBC UPGRADE PROCEDURES

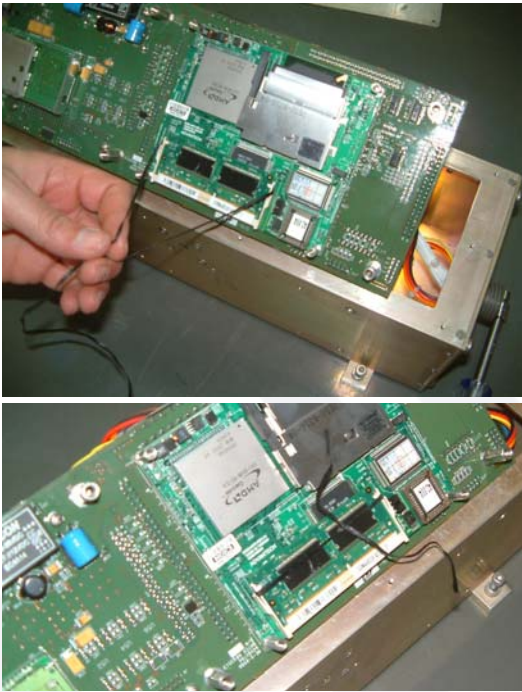
2.1 SBC LAN Cable Replacement Procedure

Step	Description	
1.	Remove 10 screws securing the SBC's top cover.	
2.	Remove the SBC top cover.	

Step	Description	
3.	Remove the internal LAN Cable, and replace it with a new LAN cable (P/N E11000039).	

2.2 SBC Memory Card Tie-Up and Gluing Procedure

Step	Description	
1.	Remove 10 screws securing the SBC Card to the right wall.	
2.	Carefully tilt and pull the SBC card out of the SBC, to the extent allowing access to the memory card.	  

Step	Description	
3.	Use a tie wire to secure the memory card.	
4.	Use a hot glue gun to apply glue in order to secure the FLASH memory.	

Step	Description	
5.	Install the SBC card. Perform steps (1) thru (2) in a reverse logical order.	

Step	Description	
6.	Install the SBC top cover. Fasten the screws securing the cover to the chassis.	

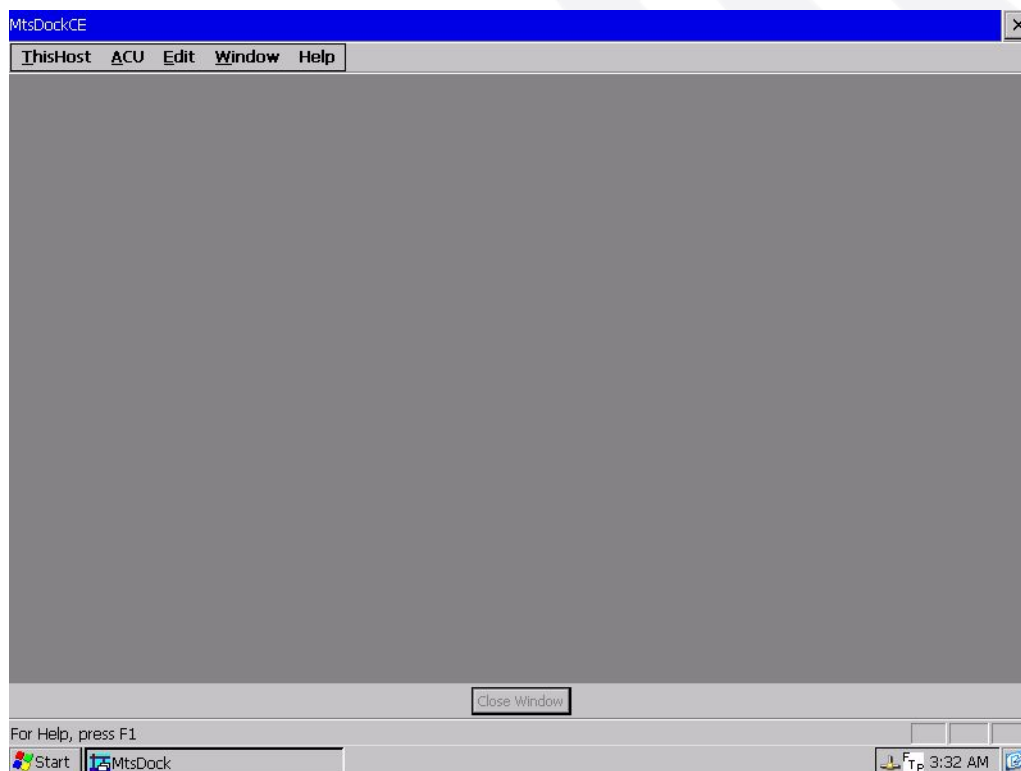
2.3 SBC Software Update Procedure

To update the SBC software, using the MtsDockCE utility residing on the CCU, perform the following procedure:

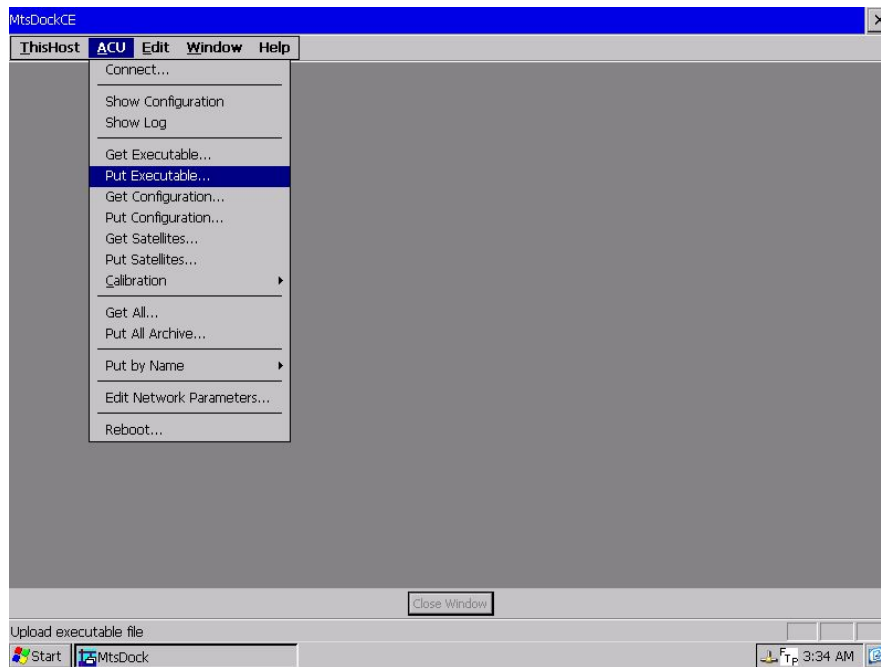


Note: To update the software on an, install it on the system to allow interconnections with the CCU.

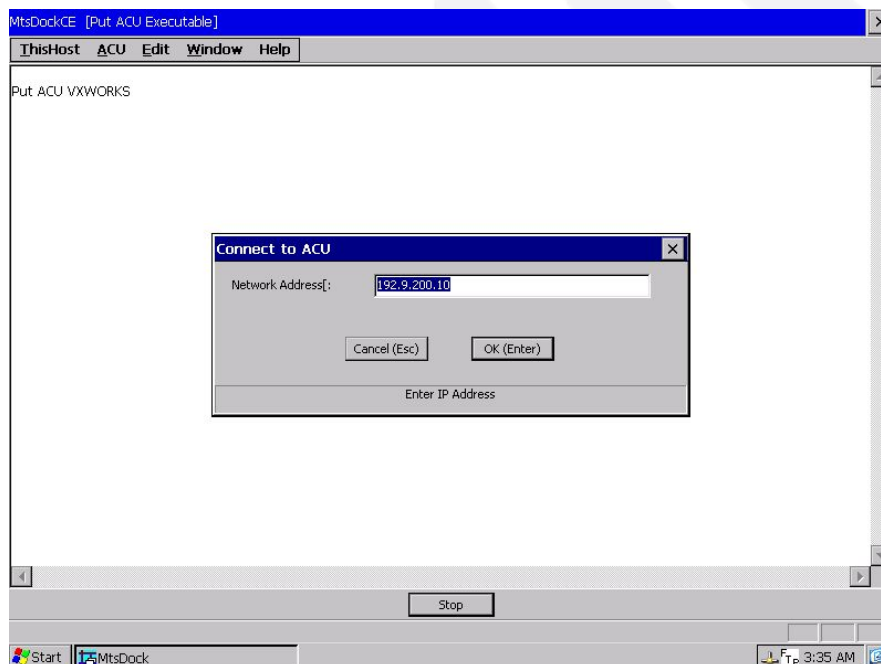
1. Copy the update file that has been received from ORBIT (by mail or on a CD) into a memory stick ("disk on-key"). Note that it is a zip-format file!
2. Connect the memory stick into the CCU's USB connector.
3. Minimize or close the MtsLinkCE software.
4. Invoke the MtsDockCE application by selecting the  shortcut on the CCU's desktop. The following screen is displayed:



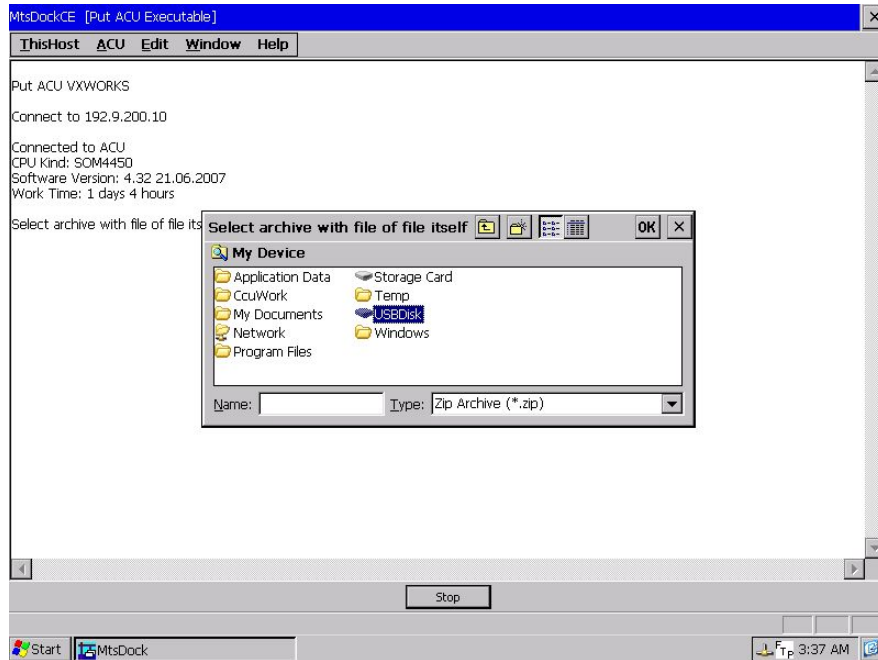
- At the MtsDockCE menu, select the **ACU** drop-menu, and then select the **Put Executable...** option.



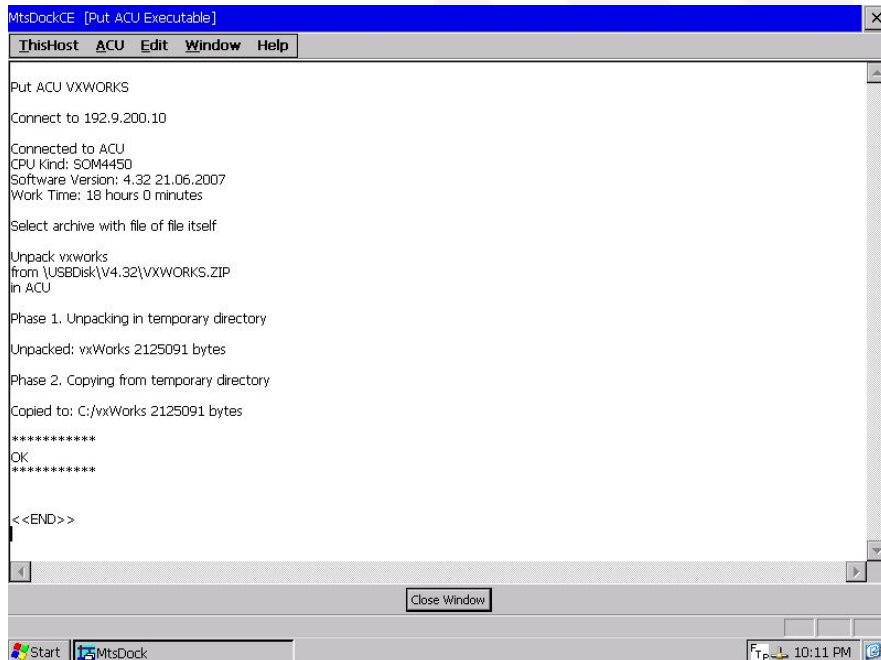
- The following window is displayed, requesting to enter the SBC IP address. Enter the SBC IP address and press **OK** to continue.



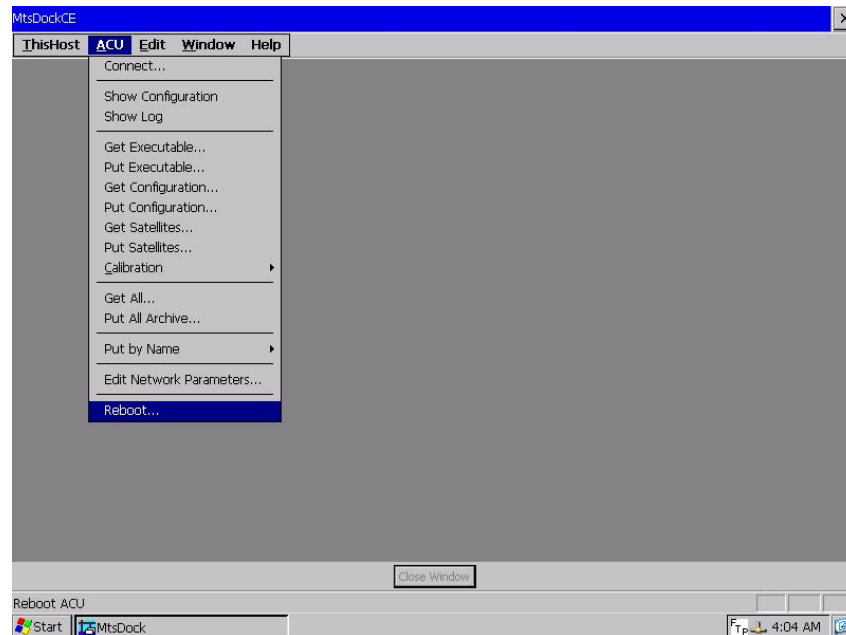
7. A Browse window appears, requesting the location of the update file. Select the update file on the memory stick.



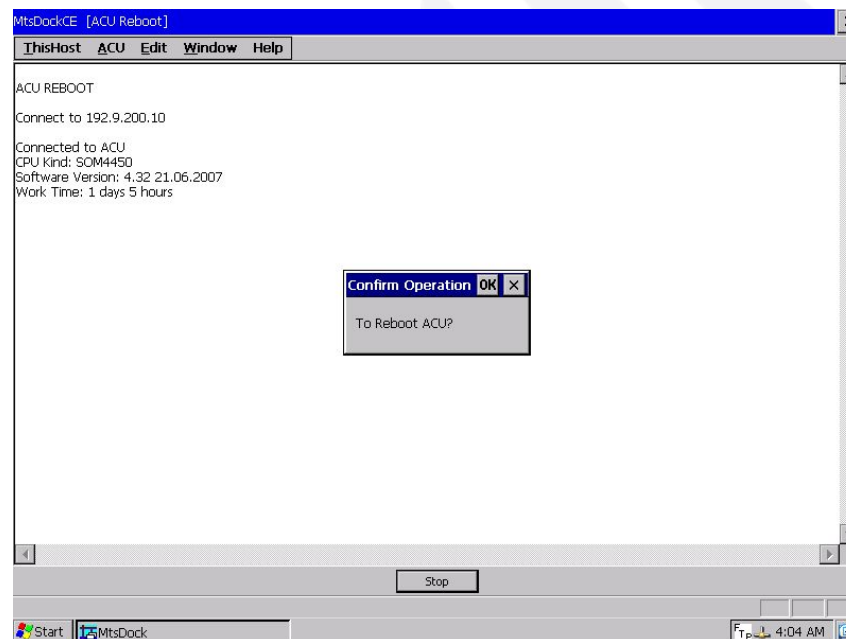
8. The update file is copied into the SBC. After a successful update process, the following screen is displayed:



9. The new settings will take effect only after SBC Reboot. You may reboot the SBC from the MtsDockCE program by selecting the ACU drop-menu, and then select the **Reboot...** option.



10. Confirm the reboot on the following dialog box:





2.4 Post-Upgrade Tests

- Install the upgraded SBC on the Master system.
- Perform basic-operation performance tests, as defined in Chapter 4 of the User Manual (MAN26-1327).