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Configuring HT C01 TEL-A596/D596/A599 for 1600 x 1200 screen resolution with Furuno MU-231CE

When connecting a Furuno MU-231CE monitor to the TECDIS computers HT C01 TEL-A596 / D596 /A599, the native resolution for the monitor (1600 x 1200) will not be selectable unless additional configuration is performed.

By following the update procedure specified below, the TECDIS system can be correctly configured to display with the "1600 x 1200" resolution on Furuno MU-231CE.

UPDATE PROCEDURE

Preparation on shore

 Download the modified graphics card driver required for this update, unzip it and place the contents on a USB memory stick. Location: <u>http://www.telko.no/furuno</u> Filename: TECDIS-MU-231CE-Fix-Driver.zip Direct Link: <u>http://www.telko.no/furuno/TECDIS-MU-231CE-Fix-Driver.zip</u>

Installation of the update

- 2. Insert the TECDIS Service Key and exit TECDIS (if running).
- 3. Open the Start Menu, select Control Panel and select "Add / Remove Programs"

🐞 Add or Rer	nove Programs				
	Currently installed programs:	Show updates	Sort by: Name		*
C <u>h</u> ange or Remove	人 Acrobat.com		Size	1,61MB	^
Programs	Adobe AIR				
	📙 Adobe Reader 9.3.4		Size	153,00MB	
Add New	Interstite C-Map Professional SDK Runtime 4.2		Size	87,87MB	
Programs	🚍 eToken Run Time Environment 3.66		Size	7,09MB	
-	High Definition Audio Driver Package - KB888111				
	🔚 Intel(R) Graphics Media Accelerator Driver		Size	<u>20,77MB</u>	
Add/Remove <u>W</u> indows	Click here for support information.		Used	rarely	
Components			Last Used On	14.09.2010	
	To remove this program from your computer, click Remove.			Remove	
Set Program	B Intel(R) Network Connections 13.1.33.0		Size	4,75MB	
Access and	🔂 Logitech MouseWare 9.79.1		Size	1,20MB	
Deraults	🔀 Microsoft .NET Framework 2.0		Size	88,28MB	
	Kicrosoft .NET Framework 4 Client Profile		Size	120,00MB	
	Kicrosoft .NET Framework 4 Extended		Size	38,04MB	-
	🔀 REALTEK GbE & FE Ethernet PCI-E NIC Driver		Size	0,77MB	
	🙀 Realtek High Definition Audio Driver		Size	49,38MB	
	Sentinel System Driver Installer 7.4.0		Size	0,64MB	~

4. Select Intel Graphics Media Accelerator Driver, Press "Remove"

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5. Press "Next".



6. Wait until the removal is complete and press "Next" again.



7. Select "Yes, I want to restart this computer now." And press "Finish".



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8. Wait until the restart has completed.

Found New Hardware Wizard				
	Welcome to the Found New Hardware Wizard			
	This wizard helps you install software for:			
	Video Controller (VGA Compatible)			
	If your hardware came with an installation CD or floppy disk, insert it now.			
	What do you want the wizard to do?			
	 Install the software automatically (Recommended) Install from a list or specific location (dyanoed) 			
	0			
	Click Next to continue.			
	< <u>B</u> ack Next > Cancel			

9. Wait until a "Found New Hardware Wizard" window appears. Press "Cancel" in this window.

Found New Hardware Wizard		
	Welcome to the Found New Hardware Wizard	
	This wizard helps you install software for:	
Video Controller Video Controller Video Controller Video Controller Video Controller Video Controller		
	What do you want the wizard to do? Install the software automatically [Recommended] Install from a list or gpecific location (Advanced) Elick Next to continue.	
	< <u>B</u> ack <u>N</u> ext > Cancel	

- 10. Wait for another "Found New Hardware Wizard" window to appear. Press "Cancel" in this window as well. (Note: The windows shown for step 9 and 10 may appear in any order.)
- 11. Insert the USB memory key containing the **modified graphics card driver** from step 1, open a "My Computer" window and navigate to the "TECDIS MU-231CE Fix Driver" directory on the USB memory stick. Run "Setup.exe"



12. Press "Next".

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13. Press "Yes" to accept the driver software license agreement.



14. Press "Next" to continue past the readme file information.



15. Wait while the installation is begin performed.





16. Press "Continue Anyway" for any "Software Installation" warning messages that appears (2 of these warnings will display).



17. Press "Continue Anyway" for any "Hardware Installation" warning messages that appears (2 of these warnings will display).

Note that the screen may flash at this stage of the installation. This is normal.

Intel® Graphics Media Accelerator	Driver
Intel® Graphics Media Setup Progress	Accelerator Driver (intel)
Please wait while the following setup oper	rations are performed:
Creating Key: HKLM/SOFTWARE/Microsol Creating Key: HKLM/SOFTWARE/Microsol Creating Key: HKLM/SOFTWARE/Microsol Creating Key: HKLM/SOFTWARE/Microsol Creating Key: HKLM/SOFTWARE/Microsol Installing Driver: Intel(R) Q35 Express Ch Version: 6.14.10.5218	Rt/Windows/Current/Version/Uninstall/HDMI[Install.CC. Rt/Windows/Current/Version/Uninstall/HDMI[NotModfy- Rt/Windows/Current/Version/Uninstall/HDMI[NotRepain- Rt/Windows/Current/Version/Uninstall/HDMI[VersionMil Rt/Windows/Current/Version/Uninstall/HDMI[Display/e hipset Family
Click Next to continue.	×
	[]

18. Press "Next" after the installation progress has completed.

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- 19. Select "Yes, I want to restart this computer now." And press "Finish".
- 20. Wait until the restart has completed.

Arrange Icons By Refresh		۲
Paste Paste Shortcut Undo Delete	Ctrl+Z	
Graphics Properties Graphics Options		۲
New		۲
Properties		

21. Click in an empty area of the windows desktop with the **right** mouse button to show a menu. Select "Properties".



22. In the "Display Properties" window that appears, select the "Settings" tab and press "Advanced".

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23. In the "Plug and Play Monitor and ..." window that appears, select the "Monitor" tab and **uncheck** "Hide modes that this monitor cannot display". Then press "OK".

Display Properties	? 🛛			
Themes Desktop Screen Saver A	ppearance Settings			
Drag the monitor icons to match the pl	nysical arrangement of your monitors.			
Display: 1. Plug and Play Monitor on Intel(R) Q35 Express Chipset Family				
Screen resolution Less More Highest (32 bit)				
1600 by 1200 pixels				
✓ Lise this device as the primary monitor. ✓ Extend my Windows desktop onto this monitor. ☐dentify [_roubleshoot] Advanced				
OK	Cancel Apply			

24. Back in the "Display Properties" window ("Settings" tab), select the Screen resolution **1600 by 1200 pixels**. Then press "OK".



25. Press "Yes" to confirm that the new settings should be kept within 15 seconds.



26. Locate the "Intel® Graphics Media Accelerator Driver" icon in the system tray in the lower right corner of the display and click it.



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- 27. In the menu that appears, select "Graphics Options", then "Balloon Notification", then "Optimal Resolution Notification", then "Disable".
- 28. Restart the computer.

Verification of successful update

- 29. Wait until the computer has rebooted and the window desktop reappears.
- 30. Open "Display Properties" by right clicking an empty area of the windows desktop and pressing "Properties" and select the "Settings" tab (ref. steps 21 and 24).
- 31. Verify that the monitor resolution is set to **1600 by 1200 pixels**.
- 32. Verify visually that the size of the start menu button and task bar is smaller than it was at the onset of this procedure.
- 33. Remove the TECDIS Service Key and restart the computer to complete the update procedure.