

System Release Notice

TimeCraft

Network Element Craft Software

Release 2.6.5

Introduction

This System Release Notice (SRN) describes the new features of Microsemi's TimeCraft Network Element Craft Software, version 2.6.5. It includes system requirements, new platform features, resolved and known issues, supported network elements for Microsemi products, procedures for install, uninstall, and firmware upgrade, and technical support contact information. In addition to this release notice, the TimeCraft Release 2.6.2 User's Guide (PN 098-00641-262) is located in the downloadable zip file



Caution:

Please read Installing TimeCraft Application, on page 6 and Uninstalling TimeCraft Application, on page 14 before attempting to install this version 2.6.5 release.

- 1. If earlier versions of TimeCraft (2.2 or earlier) exists on the target system, the user should backup the connections and properties files and then unins tall the existing installation. After uninstallation of the earlier version, TimeCraft 2.6.5 can be installed as a full installation.
- 2. If no installation of TimeCraft exists, the setup installs TimeCraft 2.6.5.
- 3. If TimeCraft 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.6.1, 2.6.2, 2.6.3 or 2.6.4 exists, then the setup upgrades to TimeCraft 2.6.5.



Note: Use the following steps to backup connections:

- 1. Open Windows Explorer and browse to the TimeCraftinstalled location (Default is "C:\Program Files\Symmetricom\TimeCraft").
- 2. Copy the connections folder to another location.
- 3. Uninstall earlier version of TimeCraft.
- 4. Install TimeCraft 2.6.5.
- Copy the Connections folder to the TimeCraft installed location (Default is "C:\Program Files\Microsemi\TimeCraft" on 32 bit OS, and "C:\Program Files (x86)\Microsemi\TimeCraft" in case of 64 bit OS).



The following are the recommended minimal requirements to support this product:

- Operating Systems:
 - Windows[®] XP
 - Windows 7 32-bit and 64-bit
 - Windows 8 64-bit
- 1 GHz Pentium Processor
- 512 MB RAM
- 1 GB Free Disk Space
- 8x CD-ROM drive
- SVGA display (minimum screen resolution set at 1280 x 1024)

New Platform Features

The following changes and additions were made in this release.

SSU 2000 Stratum 2E RB Clock (23413016-001-0) physical panel display

Resolved Issues

There are no resolved issues with this release

Known Issues

 A user newly created by TimeCraft could not access SSU-2000 with TimeCraft using the serial port.

Workaround: Use Ethemet connection or Procommor equivalent to set up user.

 10848: PTP Client list from a PTP Blade in SSU-2000 is not displayed with TimeCraft 2.5 with SSU-2000 users level 2 and 3.

Workaround: Use TL-1 or ICS commands to get PTP client list instead of TimeCraft.

• 10246: It is not possible to open a TimeCraft telnet session with Windows 7.

Workaround: By default, Windows 7 does not enable telnet client utility. Users needs to turn on telnet features manually. Follow below instruction to enable telnet client utility on Windows 7:

- 1. Click **Start**, and then click **Control Panel**.
- 2. On the Control Panel Home page, click Programs.
- 3. In the Programs and Features section, click Turn Windows features on or off.
- 4. If the **User Account Control** dialog box appears, confirm that the action it displays is what you want, and then click **Continue**.
- 5. In the Windows Features list, select Telnet Client, and then click OK.
- When a number of autonomous (AO) events/alarms are reported from the TimeHub system, TimeCraft will temporarily suspend activity retrieving NTP/PTP card information. Once the autonomous outputs have stopped, TimeCraft will recover from the suspended state.

Workaround: Wait until all the autonomous events/alarms from TimeHub have stopped. TimeCraft will retrieve the required user data after recovering from the suspended state. This may take a few minutes.

 SSU 2000 6.2 - After opening the connection, the SNMP v2 and v3 manager information is displayed incorrectly.

Workaround: Click **Refresh** to update the SNMP v2/v3 manager details.

- SSU 2000 6.2 While restoring the incorrect configuration file, the "Restore Successfully" TimeCraft prompt displays.
- On the Help page, printing cannot be cancelled by clicking the **Cancel** button.

• The SSU 2000/2000e module's removal or insert status is not shown properly.

Workaround: To minimize this issue, manually refresh the module and avoid multiple removal and insertion cycles.

- 23791: After TimeCraft is connected to an SSU 2000/2000e with a TCP/IP connection for a long period of inactivity (24 hours), TimeCraft is slow to update changes. However, the TL1 commands continue to work.
- Workaround: Restart TimeCraft so that response time returns to normal and commands are executed and updated quickly. If an open connection is needed for a long period of inactivity, use a serial port connection.
- User may observe that TimeCraft is slow in connecting to the SSU 2000/2000eNE because the auto refresh interval is 1 minute by default.

Workaround: Change the auto refresh interval to 5 or 10 minutes. Click on the System Configuration tree node, then click the **Edit** button in the Refresh panel to bring up the Edit Refresh Configuration dialog box. Change the Refresh Interval to 5 or 10 minutes, then click the **OK** button to finish.

 The user may sometimes notice that TimeCraft does not appear to communicate with the SSU 2000 correctly.

Workaround: Refresh the NE connection by clicking on the Refresh Connection menu item in the Connection menu.

- During TimeCraft firmware legacy upload for SSU 2000/2000e, the module option "all" should only select all likely modules with related firmware. For example, all DS1 output modules should be selected when the firmware upload is 01700E00.dn1. However, the TimeCraft upload process will go through all modules in the shelf.
- TimeCraft does not have option to configure output PQL

Workaround: Use CLI command (OUTPUT xAy PQL $\{0 | \{1-16\}\}$) or use below appropriate TL1 command to set output PQL

- SET-PRMTR-OUTPUT
- SET-PRMTR-OUT422
- SET-PRMTR-OUTE1208
- SET-PRMTR-OUTSINE

Manufacturing Discontinued Products

- (OT-21) The SID is reported by the OT-21 in quotes even though quotes haven't been entered which is reflected by TimeCraft. A new SID should be entered without quotes.
- (TSG3800) In the Security Window, pressing "Enable Security" requires closing the connection, editing the connection with login information, then connecting to the unit again.
- (TSG3800) It is recommended that the information in the Help File be supplemented with information in the TSG3800 User Manual as in certain cases information in the Help File is brief.

- (TSG3800, PRR10) In certain cases graphics are incomplete.
- (PRR10) Parameters can be configured from the primary module only.
- (TSG3800) 23823: No TSG-3800 serial port connectivity after userid is added

Workaround: Use a TCP/IP connection.

Supported Network Elements – Support Matrix

The following table provides a list of the current supported hardware and firmware revisions. Refer to the System Release Notice (SRN) for firmware versions and compatibility for the product and particular release version you are using.

System	Version s
TimeProvider 1000/1100	1.0, 2.1, 2.2, 3.0, 3.1, 3.1.1, 3.2, 3.3, 3.4
SSU 2000	4.1, 4.2, 5.1, 6.0. 6.1.1, 6.2, 6.3, 6.4, 7.0, 7.1, 7.2
TimeHub	R4209C, R4315C, R4328E, 3.2.2, 4.1.3, 5.0.5, 6.0, 6.1
TimeSource 3500/3000	1.06.06, 1.06.07, 1.06.10, 1.07.02, 1.07.04, 1.07.06
TimeSource 3600/3100	1.06.04, 1.06.09, 1.06.11, 1.07.05
ePRTC/TimeSource3x50	1.0. 2.0

Table 1-1. Hardware and Firmware Support Matrix

C/TimeSource3x50 1.0, 2.0

Installing TimeCraft Application

Notes:

Administrative privileges may be required to install this product.

Please read this procedure and Uninstalling TimeCraftApplication, on page 14 before attempting to install this release.

TimeCraft 2.3, TimeCraft 2.4, TimeCraft 2.5 or TimeCraft 2.6 can be upgraded using TimeCraft 2.6.5. TimeCraft 2.6.5 is not upgradable for TimeCraft 2.2 or earlier versions. If earlier versions of TimeCraft (2.2 or earlier) exists on the target system, before installing TimeCraft 2.6.5, save the connections folders and then ensure that all earlier versions of TimeCraft have been uninstalled.

Follow the procedure for uninstallation in Uninstalling TimeCraftApplication, on page 14.



Note: If TimeCraft 2.3, 2.2, 2.1, or 2.0 is to be re-installed for some reason, TimeCraft 2.6.5 must be uninstalled first. Refer to Uninstalling TimeCraft Application, on page 14. This helps avoid registry or directory conflicts due to known issues with the TimeCraft Installer.

Use the following procedure to install TimeCraft:

- 1. Insert the CD-media into the CD-ROM drive.
- 2. Open the CD-ROM folder and double-click on "Setup.exe".



3. When the installer Welcome screen appears, click Next.

4. Click the "I accept the terms of the license agreement" radio button and then click Next.



a. <u>SynCraft/TimeCraftPrevious Version File Located</u>:

If the Installer detects that a previous version of TimeCraft or SynCraft prior to version 2.2 is already installed, a message dialog appears stating that the application must be uninstalled before you can continue. Refer to the procedure Uninstalling The TimeCraft Application, on page 14.

If the SynCraft or TimeCraft Installer can't be located in the programs list, please go to the directory C:\Program Files\Symmetricom\(or any directory where TimeCraft/SynCraft was installed) and locate the TimeCraft/SynCraft folder(s). The folder should include a "TimeCraftUninstall.exe" file, which can be used to uninstall the directory. Double-click on the "TimeCraftUninstall.exe" file to run it.

If the "TimeCraftUninstall.exe" file can't be located, manually delete the TimeCraft/SynCraft folders by dragging them to the Recycle Bin. Then follow the procedure Removing SynCraft / TimeCraft Files From System Registry, on page 17 to remove the SynCraft/TimeCraft files from the system registry.

b. TimeCraft 2.2 or later is present:

If the Installer detects that a previous version of TimeCraft or SynCraft later than or including version 2.2 is already installed, a message dialog appears prompting you to upgrade.

c. TimeCraft 2.6.5 Already Present:

If the installer detects that TimeCraft 2.6.5 is already present on the system, the following screen appears. Click the radio button for the appropriate task: Modify, Repair, or Remove. Click **Next** and follow the instructions on the screen.

5. Click the radio button for the appropriate task: Modify, Repair, or Remove. Click Next and follow the instructions on the screen.

TimeCraft - Insta	IIShield Wizard
Welcome	
Modify, repai	ir, or remove the program.
Welcome to installation. C	the TimeCraft Setup Maintenance program. This program lets you modify the current Click one of the options below.
Modify	
1 ⁴	Select new program features to add or select currently installed features to remove.
© Repair	Reinstall all program features installed by the previous setup.
© Remove	Remove all installed features.
	< Back Next > Cancel

6. Click **Browse** to navigate to a desired directory, or click **Next** to install TimeCraft in the default directory. The default directory is "C:\Program Files" on 32 Bit OS and "C:\Program Files (x86)" on 64 bit OS and the installer automatically creates the \Microsemi\TimeCraft directory.

TimeCraft - Inst	allShield Wizard ×
Choose Destination Location Select folder where setup will install files.	
Setup will install TimeCraft in the following folde	r.
To install to this folder, click Next. To install to a another folder.	a different folder, click Browse and select
Destination Folder C:\Program Files (x86)\Microsemi\TimeCraft	Browse
Instalioniela	< Back Next > Cancel

7. Click Install to continue.

TimeCraft - InstallShield Wizard	X
Ready to Install the Program The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Ba wizard.	ack. Click Cancel to exit the
InstallShield	Install Cancel

8. During installation, a status bar indicates the installation progress.

TimeCraft -	InstallShield Wizard
Setup Status	
The InstallShield Wizard is installing Time	Craft
C:\Program Files (x86)\Microsemi\TimeCr	aft\lib\charsets.jar
InstallShield	Cancel

9. Select the Enable Advanced Security radio button, or the Disable Advanced Security radio button to enable or disable advanced security. If advanced security is enabled, the user is required to provide a username and password with each attempt to open a connection to a device. If advanced security is disabled, this information is stored on the computer so the user does not need to enter the username and password with each attempt to open a connection to a connection to a device.

Then click the Next button.

TimeCraft Advanced Security TimeCraft allows you to enable Advanced Security. If this feature is selected, then username and password fields will not be saved. They will only be present during connection attempts.	
TimeCraft allows you to enable Advanced Security. If this feature is selected, then username and password fields will not be saved. They will only be present during connection attempts.	1
C Enable Advanced Security	
<u> </u>	
Disable Advanced Security	
nstallShield	
< Back Next > Can	cel

10. The InstallShield Wizard Complete screen appears when the installation is finished. Click the **Finish** button.

InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed TimeCraft. Click Finish to exit the wizard.
< Back. Finish Cancel



Note: After upgrading an existing installation of TimeCraft with 2.6.5 on Windows 7, copy the connection details which are stored in the user virtual store directory to the new installed location. The default directory is "C:\Program Files" on 32 Bit OS and "C:\Program Files (x86)" on 64 bit OS.

Upgrading from TimeCraft 2.3/2.4/2.5 or 2.6 to TimeCraft 2.6.5

Use the following procedure to upgrade TimeCraft 2.6.5:

- 1. Insert the CD-media into the CD-ROM drive.
- 2. Open the CD-ROM folder and double-click on "Setup.exe".
- 3. When the upgrade confirmation dialog appears, click **Yes**.



4. When the installer Resume screen appears, click Next.



5. During upgrade, a status bar indicates the upgrade progress

TimeCraft - Ins	tallShield Wizard ×
Setup Status	
The InstallShield Wizard is updating (2.60.100	00) of TimeCraft to version 2.60.2000
Validating install	
InstallShield	Cancel

6. The InstallShield Wizard Update screen appears when the update is finished. Click the **Finish** button.

TimeCraft - InstallShield Wizard	
	Update Complete
	The InstallShield Wizard has updated TimeCraft to version 2.60.2000.
Signal Microsemi	
	< Back Finish Cancel

Note: After upgrading the existing TimeCraft application with 2.6.5 on Windows 7, copy the connection details which are stored under the user virtual store directory to the new installed location. The default directory is "C:\Program Files" on 32 Bit OS and "C:\Program Files (x86)" on 64 bit OS.

Uninstalling TimeCraft Application

Note: Before you uninstall either SynCraft or TimeCraft, if you want to retain your list of connections make a copy of the connections folder located in the \Program Files\Symmetricom\SynCraft or \TimeCraft directory. Move the copy of the connections folder out of the application directory so that it is not deleted during the uninstall. After you install TimeCraft, copy the connections folder to the "C:\Program Files\Microsemi\TimeCraft" directory on 32 Bit OS or "C:\Program Files (x86)\Microsemi\TimeCraft" directory on 64 Bit OS.

Ensure that all TimeCraft window are closed before uninstalling TimeCraft.

Use the following procedure to uninstall the applications associated with TimeCraft:



Note: Use the standard Windows procedure for uninstalling a program. This should be repeated individually for every program.

There are two methods for uninstalling TimeCraft 2.6.5 as shown in Step 1. and Step 2.

1. Users can uninstall TimeCraft 2.6.5 by clicking "setup.exe" from the CD-ROM and choosing the **Remove** option in the TimeCraft Maintenance window and clicking **Next**. Then continue with Step 3.

TimeCraft - Instal	IShield Wizard
Welcome Modify, repai	r, or remove the program.
Welcome to t installation. C	he TimeCraft Setup Maintenance program. This program lets you modify the current lick one of the options below.
C Modify	
F	Select new program features to add or select currently installed features to remove.
© Repair	Reinstall all program features installed by the previous setup.
Remove Remove	Remove all installed features.
	< Back Next > Cancel

Or

- 2. From the Start menu, select All Programs->Symmetricom->TimeCraft->UnInstall TimeCraft. Then continue with Step 3.
- 3. In the InstallShield Wizard screen, click Yes to remove the application and all features.

TimeCraft - InstallShield Wizard	X
Do you want to completely remove the select features?	ed application and all of its
	Yes No

4. When the uninstall is complete, click **Finish**.

- InstallShield Wizard
Uninstall Complete
InstallShield Wizard has finished uninstalling TimeCraft.

- 5. Repeat these steps to remove any other installed applications.
- 6. Ensure the \Program Files\Symmetricom or \Program Files\Microsemi directory is empty after uninstallation. If a TimeCraft/Syncraft directory remains, open it. The directory should include a "TimeCraftUninstall.exe" file, which can be used to uninstall the directory. Double-click the "TimeCraftUninstall.exe" file to run it.

If you can't locate the "TimeCraftUninstall.exe" file, manually delete the TimeCraft/SynCraft folders by dragging them to the Recycle Bin.

Note: On Windows 7, after uninstalling TimeCraft some application files may still be present in the virtual store directory. This may cause TimeCraft to "remember" settings from a previous installation which has already been uninstalled. Therefore, for a clean uninstall, open the C:\Users\User_name\AppData\Local\VirtualStore\MyApp folder, and then delete any obsolete application data.

Removing SynCraft / TimeCraft Files from System Registry



Caution:

Microsemi recommends that the following procedure only be performed by Network/PC System Administrators.

Be very careful when removing SynCraft or TimeCraft files from the registry. Please follow the instructions below very closely and carefully. Microsemi is not responsible for any unintended deletion of registry files.

If you have any questions or concerns about this procedure, please call Microsemi for assistance. See Contacting Technical Support.

- 1. Click the **Start** button.
- 2. Select Run...



3. Type in "regedit" and then click the **OK** button.



The Registry Editor window appears.



4. Select My Computer from the left tree. Then select Find from the Edit menu.

My Computer > Edit > Find

💣 R	z' Registry Editor							
File Edit View Favorites Help								
Ξ.	New 🕨	Name	Туре	Data				
	Permissions							
	Delete Del Rename							
	Copy Key Name							
	Find Ctrl+F Find Next F3							
	ControlSet002							
	B - Control B - Enum B - Hardware Profile							
	Services							
	.NET CLR Da							
	.NETFramev							
	10821786-							
	■ {1FA915DD							
	5150112E-							
	€ GOC70E85-							
	🗈 🧰 {7975069E-							
	🗈 🧰 {A8EF8EF2-							
	Image: BB40C1B2-							
	Abiosdsk							
<								
Finds	inds a text string in a key, value, or data.							

5. Enter "SynCraft" or "TimeCraft" in the "Find what" field. Click the **Find Next** button and wait for the search result.

Find		? 🛛
Find what:	TimeCraft	Find Next Cancel
Match who	ole string only	

6. If any SynCraft or TimeCraft files are found, select them. Then right-click on the selected files and select **Delete** to remove them from the registry.



Caution:

Be very careful when selecting SynCraft or TimeCraftfiles and deleting them from the registry. Microsemi recommends that this process only be performed by Network/PC System Administrators. Microsemiis not responsible for any unintended deletion of registry files.

🔐 Registry Editor									
File Edit View Favorites Help									
CurrentVersion	Name	Туре	Data	<u>^</u>					
App Management	(ab)C:\Program Files\Sun\JavaDB\javadoc\jdbc4\	REG SZ							
App Paths	ab C: \Program Files \Sun \JavaDB \javadoc \jdbc4 \org \	REG_SZ							
Applets	C: \Program Files\Sun\JavaDB\iavadoc\idbc4\org\apache\	REG SZ							
BITS	C: \Program Files\Sun\JavaDB\iavadoc\idbc4\org\apache\derbv\	REG SZ							
Control Panel	ab C: \Program Files\Sun\JavaDB\iavadoc\idbc4\org\apache\derbv\authenti	REG SZ							
Controls Folder	ab]C:\Program Files\Sun\lavaDB\iavadoc\idbc4\org\anache\derby\drda\	REG_SZ							
CSCSettings	ab) C \Program Files\Sun\JavaDB\javadoc\idbc4\org\apache\derby\idbc\	REG_SZ							
DateTime	ab) C \Program Files \Sun \TavaDB \tavadoc \tab C \Program Files \Sun \TavaDB \tavadoc \tavadoc \tavadoc \tab C \Program Files \Sun \TavaDB \tavadoc \tab C \Program Files \tavadoc \tavaB \tavadoc \tavadoc \tavaB \tavadoc \ta	REG_SZ							
	C C Program Files Sun JavaDB ljavadoc ljdbc4 lorg lapache (derby (hibeans (DEC S7							
Dynamic Directory	C. Program Files (Sun Pavado ljavado Cjubich (org) apache (derby) (noeausity)	DEC 67							
Explorer	C. Program Files (Sun Davabb (Javadoc (Juber) (org) apache (derby (Security))	NEG_32							
Ext	C: Program Files (Sun VavaDB (Javadoc (Jobc+ (org Japache (Jerby) tools)	REG_5Z							
Extensions Crause Ballau	C: Program Files (Sun VavaDB (Javadoc (Jobc4 (org Japache (Joerby (Vt))	REG_SZ							
	C: Program Files (Sun VavaDB (Javadoc (Jobc4 (resources)	REG_SZ							
Hozolog	C: \Program Files\Sun\JavaDB\Ib\	REG_SZ							
	C: Program Files (Symmetricom)	REG_SZ	1						
	C: Program Files Symmetricom TimeCraft	REG_SZ	1						
PerciveTOD	C:\Program File Modify operties	REG_SZ	1						
Secure	C:\Program File Modify Binary Data operties\config\	REG_SZ							
	C:\Program File operties\log\	REG_SZ							
E IlserData	C: Program File Delete	REG_SZ	1						
Toternet Settings	C:\Program File Rename	REG_SZ							
IPConfTSP	C:\WINDOWS\Installer\{075473F5-846A-448B-BCB3-104AA1760205}\	REG_SZ							
MCD	C:\WINDOWS\Installer\{098A2A49-7CF3-4F08-A38D-FB879117152A}\	REG_SZ							
Media Center	t:\WINDOWS\Installer\{0A869A65-8C94-4F7C-A5C7-972D3C8CED9E}\	REG_SZ							
ModuleUsage	ab C:\WINDOWS\Installer\{0D6013AB-A0C7-41DC-973C-E93129C9A29F}\	REG_SZ							
MS-DOS Emulation	ab C:\WINDOWS\Installer\{0DC0E85F-36E4-463B-B3EA-4CD8ED2222A1}\	REG_SZ							
MSSHA	C:\WINDOWS\Installer\{0EFDF2F9-836D-4EB7-A32D-038BD3F1FB2A}\	REG_SZ							
NetCache	(windows)installer. 1206EF92-2E83-4859-ACCB-2048C3CB7DA6	REG SZ							
🔲 Nis	C:\WINDOWS\Installer\{205C6BDD-7B73-42DE-8505-9A093F35A238}\	REG SZ							
🔁 OptimalLayout 🔍	C:\WINDOWS\Installer\{30465B6C-B53F-49A1-9EBA-A3F187AD502E}\	REG SZ		~					
	<	-							
My Computer \HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Installer\Folders									

7. Press **Find Next** (or F3) to continue the search, delete all findings. Repeat Steps 6 and 7 until all TimeCraft/SynCraft files are found and deleted.

Contacting Technical Support

If you encounter any difficulty installing the update or operating the product, contact Microsemi Frequency and Time Division (FTD) Services and Support at:

U.S.A. Call Center:

including Americas, Asia and Pacific Rim Microsemi FTD Services and Support 3870 N. First Street San Jose, CA 95134

Toll-free in North America: 1-888-367-7966 (1-888-FOR-SYMM) Telephone: 408-428-7907 E-mail: ftd.support@microsemi.com Internet: www.mircrosemi.com/ftdsupport

Europe, Middle East, and Africa (EMEA) Call Center:

Microsemi FTD Services and Support EMEA Altlaufstrasse 42 85635 Hoehenkirchen-Siegertsbrunn Germany

Telephone: +49 700 3288 6435 Fax: +49 8102 8961 533 E-mail: ftd.emeasupport@microsemi.com ftd.emea_sales@microsemi.com



3870 N. 1st Street San Jose, California 95134 tel:408.428.7907 fax: 408.428.7998 **www.microsemi.com** © 2016 Microsemi. Microsemi and the Microsemi logo are registered trademarks of Microsemi Corporation. All specifications subject to change without notice.