

TBCTX-0040  
March 2004

## WinCTX Off-line Programming for Strata CTX R2.21

The WinCTX software in conjunction with CTX WinAdmin 2.21A11 and higher, enables you to perform Off-line programming for a Strata CTX100 or CTX670 system with Release R2.21 software MH108 or MH109 only. With WinCTX and WinAdmin loaded on your PC, you can make programming changes without being connected to the Strata CTX. WinCTX emulates the existence an operating CTX system so WinAdmin can backup and save the edited programming data into a "default.dat" file on your PC. The edited default.dat file can then be copied to a SmartMedia card and restored to a Strata CTX system.

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### CAUTION!

1. **Only use version MH108 of WinCTX on Strata CTX systems with Release 2.21 MH108 or MH109 software. Do not use this version of WinCTX on other versions or releases of CTX software— data errors will occur.**
  2. **Always make a copy of original default.dat files before you open and edit them using WinCTX. In an emergency situation you may need the original default.dat file to restore your original data to the CTX system.**
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## Tips and Limitations

1. The Download function of WinAdmin is not supported with WinCTX Off-line programming. You will get *error messages* if you attempt to download programs.
2. Real time functions that only apply to an actual CTX (Date, Time of Day, etc.) do not apply to WinAdmin Off-line programming.
3. When WinAdmin connects to WinCTX Off-line programming, the CTX Release will always show the WinCTX release number in the System Setup screen and top information bar.
4. Licenses - always show fully licensed processors when viewing the License screen.

## WinCTX Minimum PC Requirements

WinCTX must run on the WinAdmin PC so the requirements of the PC are the same as those for WinAdmin. There are currently four WinCTX executable files. Each WinCTX executable file requires about 15MB of hard drive space; or they can run from a CD-ROM to save hard drive space. A separate WinCTX executable file is required for each CTX system (100 and 670).

## CTX WinAdmin Requirements for WinCTX

CTX WinAdmin, Version 2.21A11 or higher, is required to use WinCTX to edit CTX release 2.21 MH108 or MH109 system data.

## Installing and Running WinCTX

WinCTX is a self-executable file and does not need to be installed. The executable file can be opened from a CD-ROM, a folder on the hard drive or desktop icon. Click on the WinCTX.exe file or icon to run the program. The “StopSNMPAgent.exe” file must be installed in the same directory as the WinCTX.exe file (see “[Expanded Procedure for Using WinCTX](#)” section below).

## Basic Procedure for Using WinCTX

This is a summary of how to use WinCTX. For detailed, step-by-step instructions, see the “[Expanded Procedure for Using WinCTX](#)” section below.)

1. Open and then Start WinCTX. Be sure to open the correct version (see [Rules for Opening/Restoring “default.dat files”](#)).
2. Run WinAdmin and connect to WinCTX (select Local WinCTX 127.0.0.1)

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3. Edit the database using CTX WinAdmin.
4. Backup the database using CTX WinAdmin.
5. Exit CTX WinAdmin.
6. Stop WinCTX.

## Expanded Procedure for Using WinCTX

1. Click on the WinCTX100 or WinCTX670 icon (shown right).



2. If Simple Network Management Protocol (SNMP) service for Windows2000 or XP is activated, WinCTX executes “StopSnmpAgent.exe.” “**Stopping SNMP Service. Please wait...**” appears on screen. After the SNMP Service is stopped, the Main window for WinCTX670 or WinCTX100 appears (shown in Step 3, below).

If another application is using the SNMP port, you will see the window shown below. You will have to manually stop the application by selecting Control Panel > Administrative tools > Services. Stop

SNMP service to prevent connection problems between WinAdmin and WinCTX. After stopping SNMP service(s), click OK to continue.



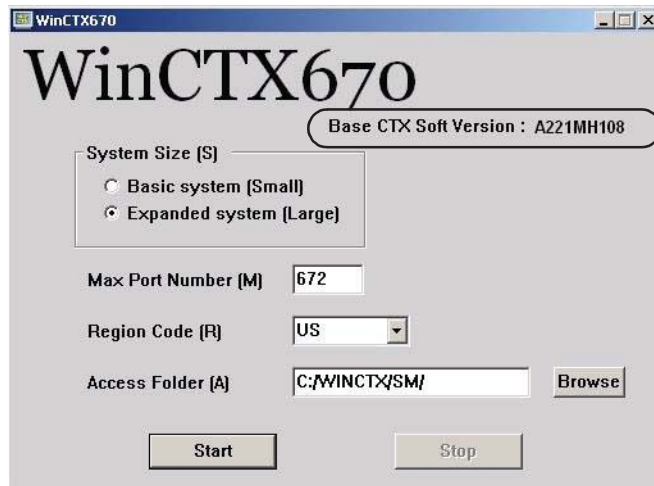
3. For WinCTX670, select System Size (for WinCTX100, skip to the next step):
  - Basic system (Small) – Assumes BBMS/BEXS or BEXU is not installed)
  - Expanded system (Large)– Assumes BBMS/BEXS or BEXU is installed)

The WinCTX670 port ranges are:

- CTX100: 001 to 112
  - CTX670 (Basic System): 001 to 192
  - CTX670 (Expanded System): 001 to 672
4. Select a Region Code: Click the down arrow and highlight a country. The Region Code is the same as country list in Program 915-04.
  5. Select the Access Folder: This is where the “default.dat” file will be stored. The empty default folder is “C:/WINCTX/SM/”.

If you want to use a different folder that contains a default.dat file or create a new “default.dat” file, click Browse. The Searching Access Folder window displays. Select a folder, then click Set.

To edit an existing “default.dat” file, select the folder that contains the “default.dat” file which should be edited.



Shows the type of CTX database supported.

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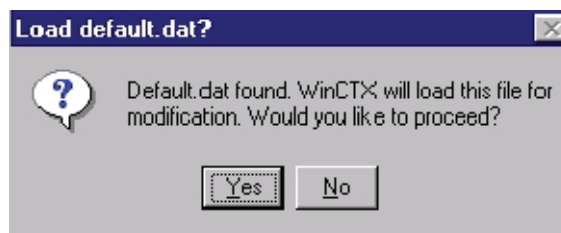
- Click the Start button. The window shown right appears.

If a “default.dat” file exists in the selected folder, the window (shown right) displays:

- Click Yes to load the “default.dat” file into WinCTX. WinCTX shows “Restoring,” as it loads the existing default.dat.

If a “default.dat” file is not in the selected folder, the “Load default.dat?” screen does *not* appear and

WinCTX immediately displays the “WinCTX is running” screen. You can still connect to WinCTX to create a new default.dat file in the selected folder by continuing with the following steps.



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- With WinCTX running, log on to WinAdmin.
  - Enter CTX IP/Name (IP address): 127.0.0.1 or your local PC’s IP address.
  - Enter a Community Name (CTX default is “communityName”).
- Click the Connect Now button. WinAdmin should connect to WinCTX and operate exactly as if it were connected to a CTX system.

**Note** In the PC Local Area Connection Property Settings, you may need to set the PC Internet Protocol (TCP/IP) properties to use the following recommended IP address: 192.168.254.251. Subnet mask: 255.255.255.0.

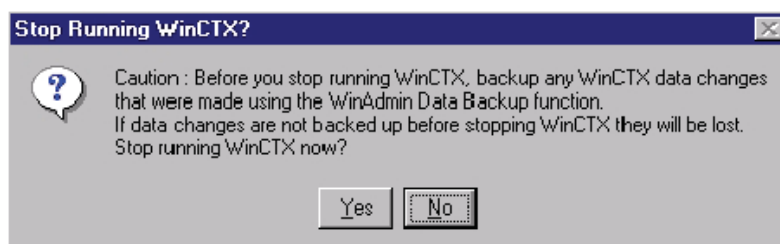
- Make your Off-line programming changes from WinAdmin.
- When you are done programming, select Operation > Data Backup. Click the Back Up button. When you see “Completed Successfully,” it is done. This will create a new “default.dat” file that contains your programming changes.

**Important!** *Data changes will not be stored in the default.dat file unless you backup your data using WinAdmin.*

- Log out of WinAdmin and then bring up the WinCTX application screen and click the Stop button to stop WinCTX (see “[Stopping WinCTX](#)”).
- To transfer the WinCTX database to a CTX system, locate the “default.dat” file in the folder previously selected in Step 4.
- Transfer the “default.dat” file to a SmartMedia card (progdata folder) in the CTX, either locally or remotely, and then restore the data to the CTX using the system initialization procedure (Program 900 level 1). For more information, see the Strata CTX Programming manual, Chapter 10–Operation, “900 CTX Restart.”

## Stopping WinCTX

- Click the Stop button or click the  button in the right corner. WinCTX displays window (shown right).
- Click Yes to stop WinCTX  
...or click No to continue using WinCTX.



**Important!** *Data changes will not be stored in the default.dat file unless you backup your data using WinAdmin.*

## Viewing the CTX Release Number Supported by WinCTX

To display the CTX release number supported by WinCTX, open WinCTX and click on the WinCTX icon in the left corner, then click on the “version number WinCTXxxx.” The CTX release (R2.21) and build (MH108) number that WinCTX will emulate when it is running displays.

When you run WinCTX, it always shows the same CTX release and build information even if you open a default.dat file with different release and build numbers. You can restore the “default.dat” files created by WinCTX to CTX systems with different release numbers per the rules below.

## Rules for Opening/Restoring “default.dat files”

Basically when opening and restoring default.dat files using WinCTX, the version of WinCTX must match the version of CTX. If the version numbers do not match, data errors will occur after updating the CTX using the default.dat file created or edited using WinCTX. WinCTX R2.21 MH108 can only be used to edit CTX R2.21 MH108 or MH109 system data. If MH110 is released in the future, it may be compatible with WinCTX R2.21 MH108 – this will be specified in the MH110 release documentation.