



Accu-Time Systems, Inc. 420 Somers Road, Ellington, CT 06029

How to Disable Hardware DST and Manually Set the Date and Time in ATS Cyber Series Terminals

The starting and ending dates for Daylight Saving Time in the United States have been redefined by Congress in the *Energy Policy Act of 2005*. ATS Cyber Series terminals containing the latest firmware updates permit complete software control of time changes for Daylight Saving Time, so the terminal can be programmed to conform to the new definition of DST. If your terminal firmware and application software are up-to-date, the change in the definition of DST should not affect you.

The time may become set incorrectly and not conform to the new DST standard if your terminal has an older firmware version, or if your application software has not been updated to use the new DST control features,

ATS Cyber Series terminals have hardware DST support that, if enabled, automatically changes the time set in the terminal based on the old dates (first Sunday in April and last Sunday in October.) Because those dates no longer apply, hardware DST support must be disabled in Cyber Series terminals to prevent the time being changed on the wrong day.

This document tells you how to disable the hardware DST feature of the Cyber Series terminal, and how to manually set the data and time in your ATS Cyber Series terminal if it becomes incorrect. If you have questions after reading this document, you should contact your application software vendor. Your vendor may have to modify your application so it takes advantage of the new software DST support provided by the terminal firmware.

You can disable the hardware DST feature using the terminal's hardware Setup functionality, described on Page 2 of this document. You can also refer to the section "Setting Date and Time," in Chapter 3 of the Cyber Series manual MANU-CYBER-01, for an explanation of how to manually disable hardware DST in a Cyber Series terminal. The Cyber Series manual is available on the Accu-Time website at:
http://www.accu-time.com/pdf/manuals/cyber_series.pdf.

You can also use the terminal's hardware Setup functionality to correct the time set in the terminal if it gets set incorrectly.



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How to Disable Hardware DST and Manually Set the Date and Time in a Cyber Series Terminal

You can manually disable hardware DST support using the terminal's Test, Setup, and Diagnostic (TSD) mode. The description below applies to the latest version of the Cyber Series firmware. If your terminal has a different firmware version, the screens you see may be slightly different.

To enter TSD mode:

1. Press and hold the **CLEAR** and **ENTER** keys simultaneously for about 5 seconds.
2. Enter the terminal's password, if one has been set, and press the **ENTER** key. If the terminal has no password, there will be no password prompt. If you have forgotten the password, contact your software vendor for assistance.
3. The terminal will beep, then display the Test, Setup, or Diagnostic menu selection. The menu selection sequence begins with the choice to enter Test mode. Cycle through the list by pressing the **CLEAR** key until you come to Setup mode. Choose Setup mode by pressing the **ENTER** key. Return to a previous menu by pressing the **F8** key.

Scroll through the series of Setup options by pressing the **CLEAR** key until you get to the screen **Setup Date & Time**. The screens you will see will include:

1. Setup Comm Port
2. Setup Aux1 Port
3. Setup Smartcard
4. Setup Display
5. Setup Host Connect
6. Setup Reader 1
7. Setup Date & Time

Press the **ENTER** key to select date and time setup. The following screen will appear:

```
SELECT DATE FORMAT
MM/DD/YY
```



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Cyber Series terminals support three date formats: MM/DD/YY, YY/MM/DD, and DD/MM/YY. Cycle forward through the list of choices by pressing the **CLEAR** key. Cycle backward by pressing the **F8** key. Make a choice by pressing the **ENTER** key.

Set Date and Time

After you make your selection by pressing the **ENTER** key, the following screen will appear:

```
SET RTC DATE & TIME
nn/nn/nn nn:nn:nn
```

This screen gives you the opportunity to correct the time set in the terminal if it has been set incorrectly.

The date displayed will be in the format just chosen (MM/DD/YY, YY/MM/DD, or DD/MM/YY). Set the current date and time, if it is not already set or if it needs to be corrected, using the numeric keypad. Press the **CLEAR** key to to back up a digit. Press the **F8** key to skip a digit. Press the **ENTER** key to enter the value.

The terminal does not check for the validity of entered date or time values. The terminal will accept, for example, a time of 99:99:99.

Disable Hardware DST

After you enter the date and time, the following screen will appear:

```
DAYLIGHT SAVINGS
Enable
```

This is where you can enable or disable hardware daylight saving time support.

Possible values are Enable and Disable. Cycle forward through the list of choices by pressing the **CLEAR** key. Cycle backward by pressing the **F8** key. Make a selection by pressing the **ENTER** key.



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After you make the selection, control will go to the next Setup screen. Cycle forward through the remaining Setup screens by pressing the **CLEAR** key until you get to the **Exit Setup** screen. The remaining Setup screens will be:

1. Setup Watchdog
2. Setup Password
3. Setup RAM
4. Exit Setup

Press the **ENTER** key to exit Setup mode. A display will appear asking if you want to perform a hardware reset. Select **Yes** by cycling through the list of choices (**Yes** or **No**) using the **CLEAR** key, then press the **ENTER** key.

If you have additional questions, you should contact your software vendor.