

TECHNICAL BULLETIN 42

Daylight Saving Time changes in 2007

Starting in the spring of 2007, Daylight Saving Time (DST) start and end dates for the United States will transition to comply with the Energy Policy Act of 2005. DST in the United States will start three weeks earlier (2:00 A.M. on the second Sunday in March) and will end one week later (2:00 A.M. on the first Sunday in November).

All Sielox Pinnacle and Threshold Enterprise systems rely on the system clock of the server for determining local time. For that reason, you will need to update your operating system to account for the change in DST. For Windows Server 2003 or Windows XP Pro users, Microsoft's automated update procedures should put the necessary fixes in place. Users of all other Windows versions should refer to the Microsoft DST Help and Support Center http://support.microsoft.com/gp/dst_overview

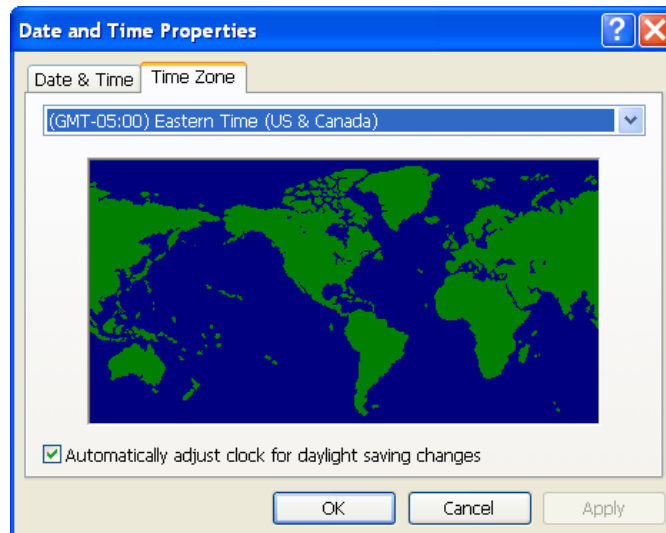
Windows 2003 Server and Windows XP Updates

To select the update for your Windows OS, click below and then click on "Supporting the DST changes on Windows operating systems"

http://support.microsoft.com/gp/dst_overview

Date and Time Properties

The computer which is running as your 'server' for the application may or may not be set to automatically adjust for Daylight Saving (Control Panel->Date and Time Properties), make sure the "Automatically adjust clock for daylight saving changes" is checked!





Sielox Applications and DST

The Sielox application gets its clock from Windows when it starts up. If the clock changes and the computer is set to automatically adjust for DST, it will be captured by our application at the next crossover of an hour (top of the hour). This occurs when the "System Time" event is posted. At that point, the 'computer' clock is correct.

This clock change will make its way to the controllers in due course.

Time Accuracy of Field Controllers

The Pinnacle and Threshold Enterprise systems update each controller's clock once every hour. As long as the Windows OS system time adjusts properly at the start or end of DST and the controllers are online and communicating with the server, the controllers' clocks will be properly adjusted at the next hour crossing.

Offline Field Controllers

Offline field controllers that are not in communication with the Pinnacle or Threshold Enterprise server will not adjust their own clocks. There is no provision for that option as they do not store a complete calendar applet. They must communicate with the Pinnacle or Threshold Enterprise server.