



April 8, 2008 UPDATE

APPLICATIONS NOTE 124

System Time Display for StarClock TiemPo 6400A

Affects units at ISSUE 13 or lower

This Applications Note is being reissued to change text in Step 6 below.

For any TiemPo units equipped with the Model 6401-1 GPS receiver card, there is now a one-day offset between correct GPS time received versus the system time that is displayed at the user interface (menu command response headers, alarm messages, etc.). This was caused by the extra day inserted in the calendar for the leap year. The Network Time Protocol option, if installed, is unaffected by this. If there are no GPS receiver cards at all, then this is not relevant. This date offset can be easily corrected in the field by uploading the latest version of the TiemPo system software:

The instructions for the upgrade are as follows:

A. Browse to the CXR Larus web site <http://www.cxrlarus.com>

You must register as a user if you have not registered previously. Once registered the first time, you must leave the site and then return and log in. Under the menu item for Data/Downloads, there is a system software update file for TiemPo 6400A. Download this file.

B. Once you have this file, move it to the root directory of your computer hard disk. This is the computer that you use for provisioning and monitoring TiemPo, and it is typically one equipped with the software tool CXR Live, although it can be done from any computer. You will soon need to connect from the computer via Ethernet to the TiemPo unit, so the network cable should be in place.

C. Software Upgrade

STEP 1. Prepare with new file TSSFV.bin on laptop computer hard disk. It works best with this file in the root directory C:\

STEP 2. Check TiemPo readiness and known IP address by pinging the IP address via Ethernet, and use CXR Live to log in (ACT-USER) via Telnet session. As a precaution, study and record provisioning of all output cards or any special provisioning:

RTRV-CARD
RTRV-OUTPUT-FREQ
RTRV-OUTPUT-PORT

STEP 3. On laptop computer, log out and go to computer command line C:> ftp IP address (where address is the IP address of the TiemPo unit). The command line may be found by Start>Applications>C: command line.

(It should connect to TiemPo at the correct IP address)

STEP 4. FTP server ready message appears

User: IP address: press <CR>

Password required

Password: press <CR>



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800-999-9946 or 408-573-2700

User is logged in

STEP 5. command line ftp>bin <CR>

Type set to I, binary mode

command line ftp>cd C:\image <CR>

changed directory to "C:\image"

command line ftp> put tssf.w.bin <CR>

port set okay

Opening BINARY mode connection

transfer complete

ftp: 2608608 bytes sent in 43 seconds at 60 Kbytes/secexpect a few minutes

command line ftp> bye

Bye...see you later

(The new software is inside memory and ready, but not yet active.)

STEP 6. Via serial port session with CXR Live, log in and do Reset-System configuration reset. This will force the new software to take effect.

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RESET-SYSTEM:::CTAG::CONFIGReset;
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STEP 7. Wait a few minutes for it to stabilize, then using CXR Live, start Telnet session and log in at IP address or else use serial port session and log in.

STEP 8. Check date/time (it should be correct for today and now)

STEP 9. As a precaution, check provisioning as in Step 2 and change anything necessary

STEP 10. Following the successful completion of this upgrade, remark "ISSUE 14" on the rear identification label of the chassis. Then note the serial number of it and please send this via email to the following address so that warranty records may be kept current:

cxrlaruscs@cxrlarus.com

If there are technical questions, please contact CXR Larus Technical Support at 800-999-9946.