

Procedure for Upgrading the ATP Timer Internal Software

Instructions assume you are using Windows Hyper Terminal, you can use any serial terminal program just modify steps as required.

Note: Entering the download mode on the timer (flashing backlight with blank screen) does NOT erase the existing software. ONLY when the XMODEM transfer is started and validated will the current software be erased. Should NO transfer take place after a while the timer will reboot to the existing software without change.

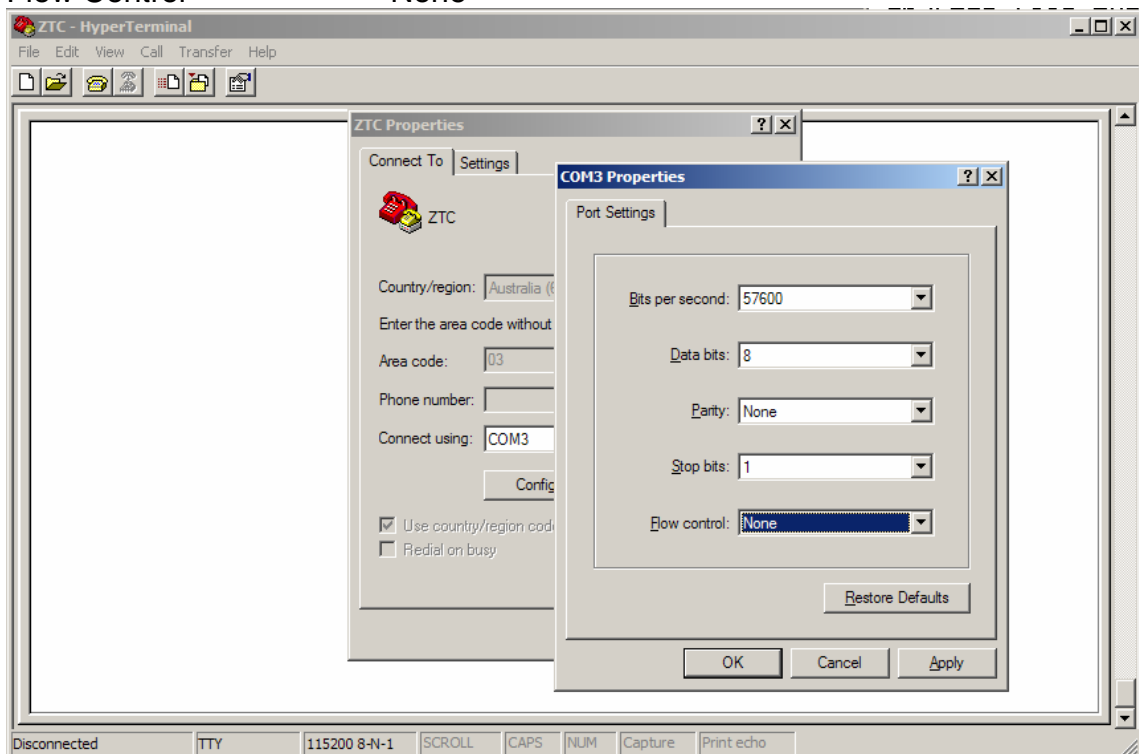
WARNING: Once the XMODEM transfer is started the current software is erased and this procedure MUST be completed fully for the unit to function again.

Step 1. Download the upgrade file from your email and store it on the hard drive of your PC.

Step 2. Connect the serial cable between the serial port of your PC and that on the side panel of the timer.

Step 3. Access Windows Hyper Terminal (or any other serial communications program that has XMODEM capability). The first time you come to do a software upgrade you will have to set up and save a new connection in Hyper Terminal. You can call it 'Timer Upgrade' or any other name that takes your fancy. Select an icon if you wish. Select your COM Port. In the 'Port Settings' window select-

Bits per second	57600
Data bits	8
Parity	None
Stop bits	1
Flow Control	None

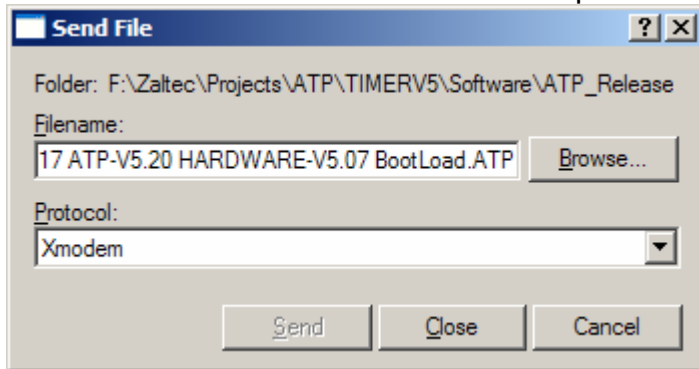


Step 4. Access the timer upgrade program as follows: With the timer off, hold down both the 'UP' and 'DOWN' buttons and then press the 'POWER' button. The timer display screen will start to flash on and off.

In the Hyper Terminal window on your PC, a series of 'S's should begin to appear.

If not click on the phone icon of Hyper Terminal so the handset is off hook. The 'S' looking characters should appear.

Step 5. Select 'Transfer' and 'Send File'. The 'Send File' window appears. Use 'Browse' to locate the upgrade file and select it. Nominate 'Xmodem' (not Xmodem 1K) for the Protocol. Do not click the 'Send' box until the timer has been set up to receive the file.



Step 5. In the 'Send File' window on your PC, click the 'Send' box to start the transfer.

When the transfer is complete, the timer will automatically switch to the Reset (Waiting) condition.

Step 6. Exit the Hyper Terminal program on your PC.

Step 7. The ATP timer should reboot into the new software. This can be confirmed by looking at the version information on the startup screen assuming you have it enabled in the menu system.