

Configuring your PC as a TFTP server to upgrade the 35XX

The following is the procedure for updating the 35XX by using your PC as a TFTP server. This software version in the 35XX must be Release 3.0.8 or Release 3.2.2 in order to perform this upgrade. This procedure requires you to change the IP address of your network interface card. You will need administrator rights on your PC to make this change. **It is very important that you follow these instructions exactly as they are written.**

1. Unzip 35xxUpgrade.zip and **Extract to c:** (make sure you check the "Use folder names" box as shown in Figure 1)

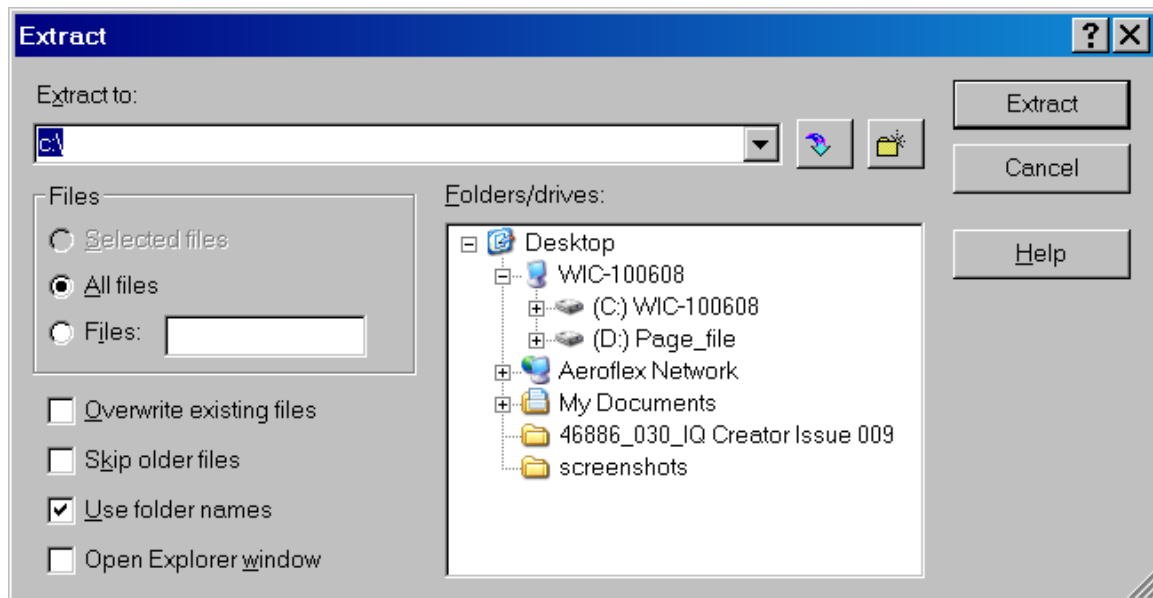


Figure 1 – WinZip extract window

2. Connect a crossover Ethernet cable from PC to 35XX
3. Turn on 35XX (make sure that external power is applied so that the battery does not die during the update)
4. Change the IP of your PC to 10.10.10.1 with a Subnet mask of 255.255.0.0.
5. Browse to c:\35xxUpgrade\TFTPServer
6. Double click RunStandAloneMT. Make sure that it says that it is listening on 10.10.10.1 (see Figure 2)
7. Turn off 35XX
8. Hold down F4 (F5 on 35XX firmware version 3.0.8) and then turn on the 35XX, continuing to hold the F4 key until 35xx screen says "Bootloader loading"
9. 35XX will reboot when update is complete. The update takes about 15 minutes.
10. After completion, the TFTPserver should look like Figure 2.

```
C:\WINDOWS\system32\cmd.exe
TFTP Server MultiThreaded Version 1.53 Windows Built 1530

Starting TFTP...
alias / is mapped to c:\35xxUpgrade\
listening On: 10.10.10.1:69
listening On: 223.1.1.128:69
listening On: 127.0.0.1:69
permitted clients: all
server port range: all
max blksize: 65464
default blksize: 512
default timeout: 3
file read allowed: Yes
file create allowed: No
file overwrite allowed: No
thread pool size: 1

accepting requests..
Client 10.10.10.193:1890 c:\35xxUpgrade\tftpscript.txt, 3 Blocks Served
Client 10.10.10.193:2281 c:\35xxUpgrade\loading_bootloader.bmp, 19 Blocks Served

Client 10.10.10.193:3056 c:\35xxUpgrade\u-boot.bin, 245 Blocks Served
Client 10.10.10.193:2772 c:\35xxUpgrade\loading_fpga.bmp, 19 Blocks Served
Client 10.10.10.193:1994 c:\35xxUpgrade\fpga.bit, 2830 Blocks Served
Client 10.10.10.193:3927 c:\35xxUpgrade\loading_os.bmp, 19 Blocks Served
Client 10.10.10.193:2550 c:\35xxUpgrade\image.bin, 5710 Blocks Served
Client 10.10.10.193:1652 c:\35xxUpgrade\loading_flash.bmp, 19 Blocks Served
Client 10.10.10.193:2281 c:\35xxUpgrade\cf_flash_fs.img, 4097 Blocks Served
Client 10.10.10.193:2586 c:\35xxUpgrade\loading_logo.bmp, 19 Blocks Served
Client 10.10.10.193:1673 c:\35xxUpgrade\hits.bmp, 19 Blocks Served
Client 10.10.10.193:2165 c:\35xxUpgrade\loading_ppc_uboot.bmp, 19 Blocks Served
Client 10.10.10.193:2472 c:\35xxUpgrade\ppcboot.bin, 218 Blocks Served
Client 10.10.10.193:3854 c:\35xxUpgrade\loading_ppc_os.bmp, 19 Blocks Served
Client 10.10.10.193:3376 c:\35xxUpgrade\vmlinux.PPCBoot, 1631 Blocks Served
Client 10.10.10.193:3083 c:\35xxUpgrade\loading_ppc_app.bmp, 19 Blocks Served
Client 10.10.10.193:1144 c:\35xxUpgrade\ramdisk.PPCBoot, 8195 Blocks Served
```

Figure 1 – TFTP Server window after upgrade