

## How to setup and use the WinAgents TFTP server

This TFTP server also runs on Win7 x64. PCs

All the files mentioned in this document can be found on the ECS CDRROM

Install Winagents TFTP Server located here:

...3rd\_Party\_Software\V-Panel TFTP Server App\tftpserver-setup.exe

### How to Upgrade V-series panels via TFTP

Set your IP address to: 172.16.5.50

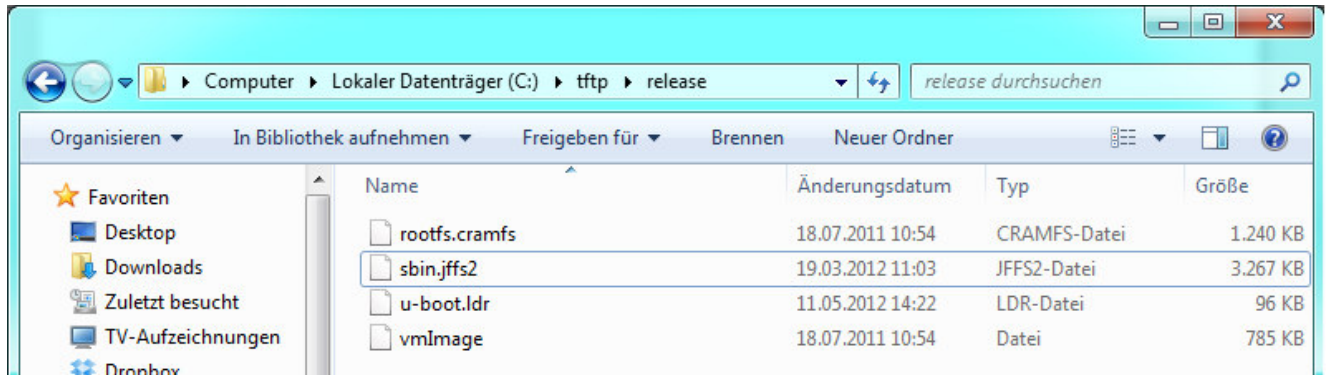
Subnetmask: 255.255.0.0

Connect a crossover RJ-45 cable between PC and V-Panel Ethernet Port. Or use a Switch in between when using a straight cable.

Create the following folder: C:\tftp\release

Put the firmware files into the created release folder:

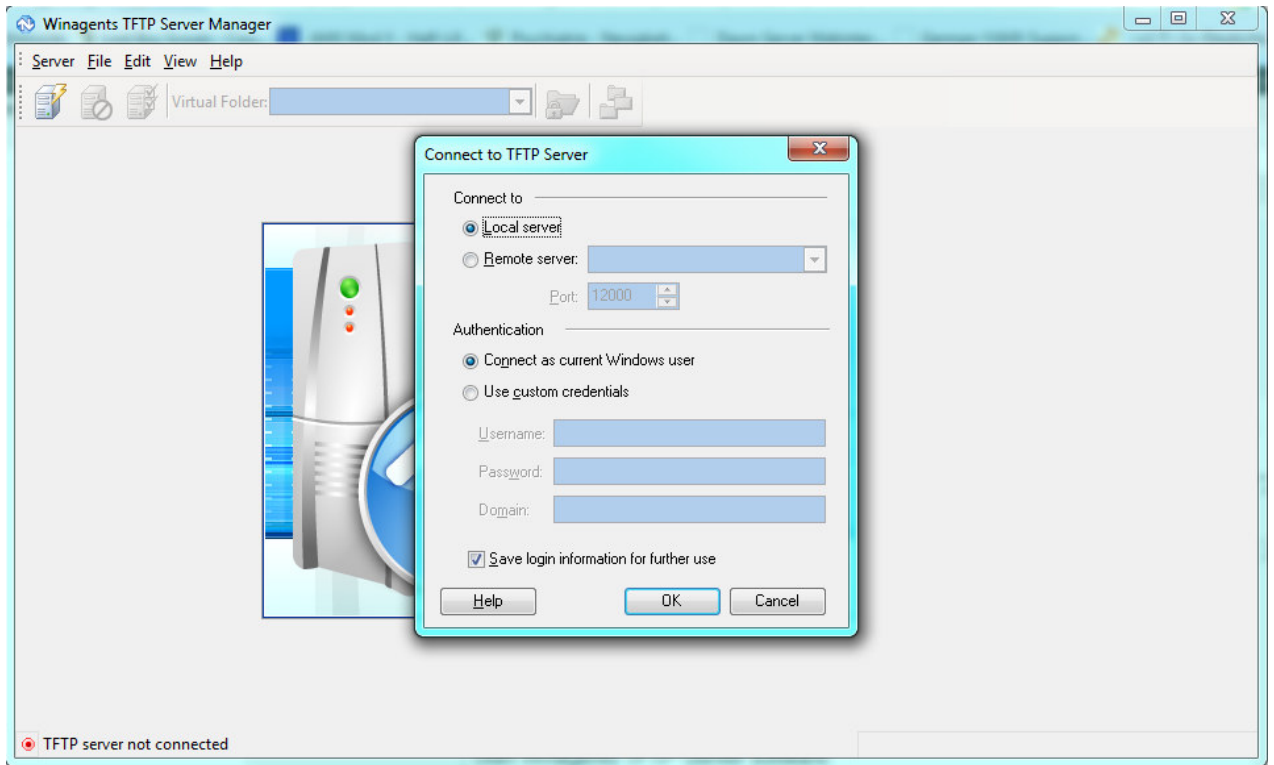
- CDRROM:\Panel\_Software\V-Series\Main\_Board\710817Z - Panel UBOOT TFTP Image\u-boot.ldr
- CDRROM:\Panel\_Software\V-Series\Main\_Board\710821Z - Panel Kernel\vmImage
- CDRROM:\Panel\_Software\V-Series\Main\_Board\710822Z - Root File System\rootfs.cramfs
- CDRROM:\Panel\_Software\V-Series\Main\_Board\710818Z - Panel Application\sbin.jffs2



Install Winagents TFTP Server located here:

...3rd\_Party\_Software\V-Panel TFTP Server App\tftpserver-setup.exe

Start Winagents TFTP Server software.

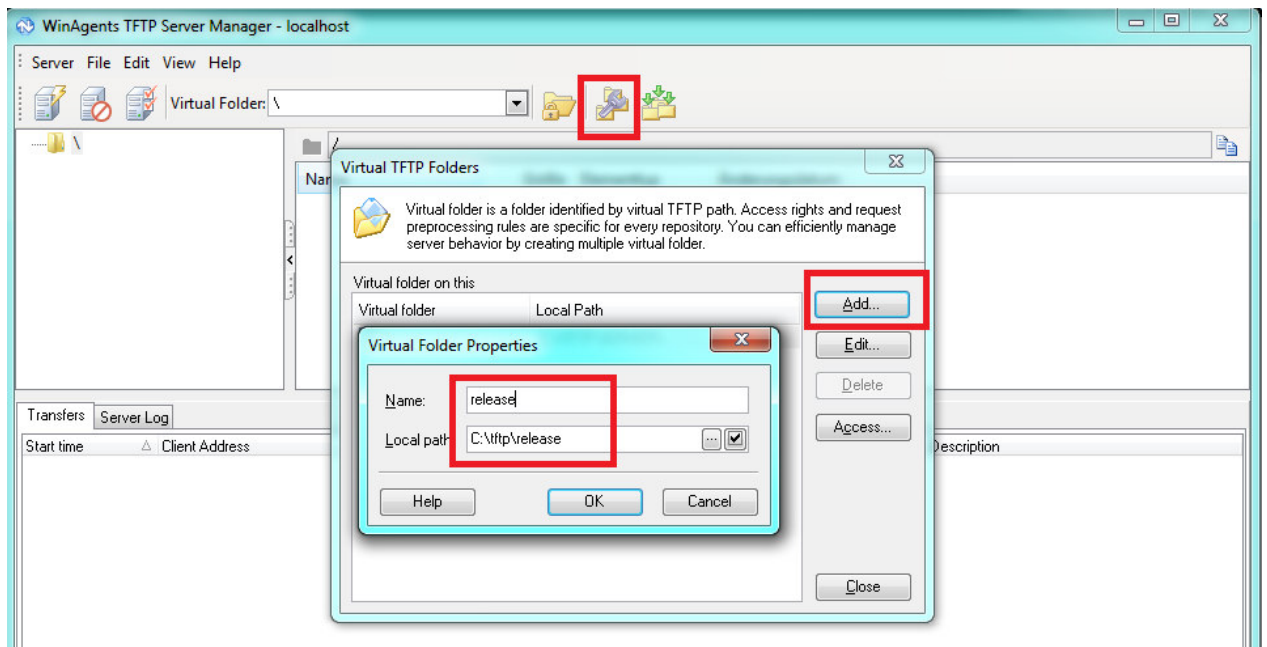


Press OK and in the next step connect.

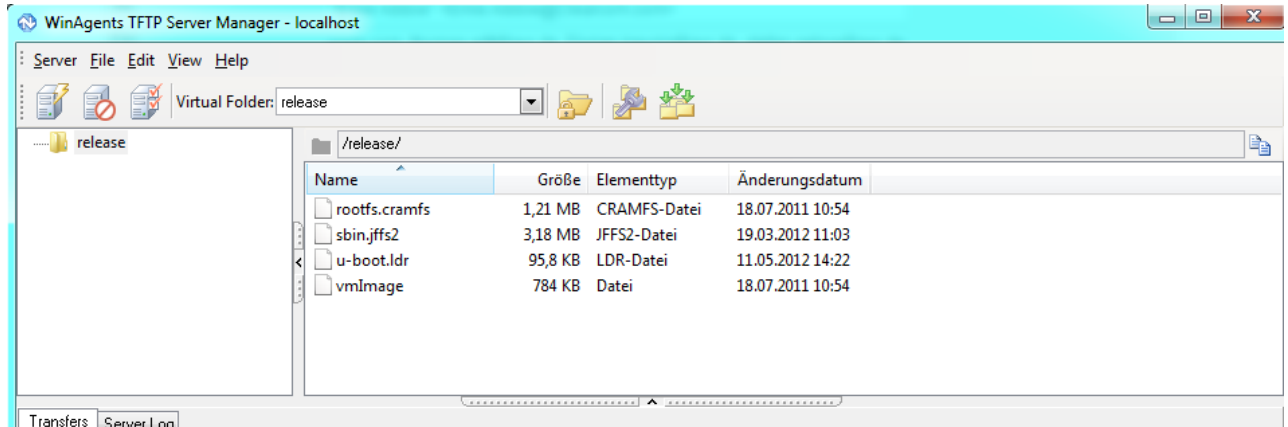
Edit the virtual ftp folder.

**Name: release**

**Path: c:\tftp\release**



You Winagents should now look like this:

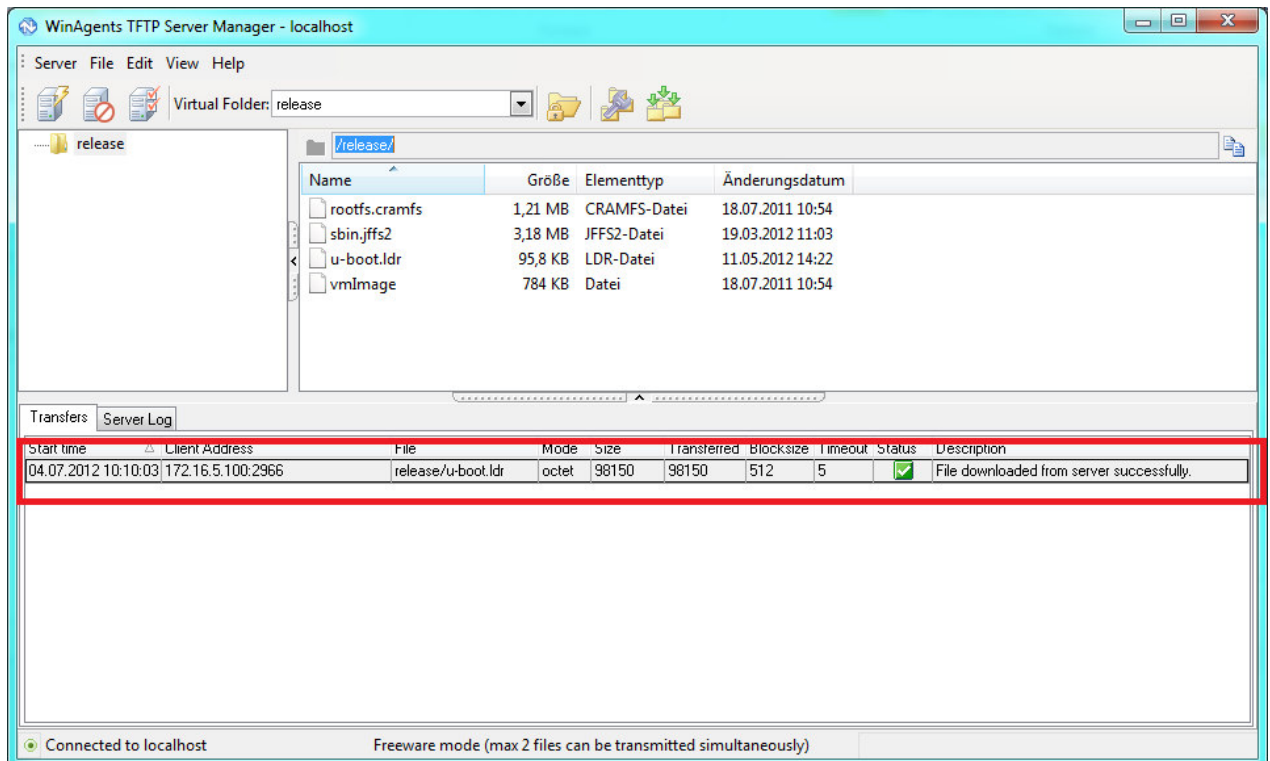


### Downloading the V-series panel U-boot file

Repower the panel while pressing and holding down the main and aux knob. The 4 leds will flash.

Press H/S button one time and after this press Shift button one time.

You will see the file being downloaded in Winagents log-Window.



Wait for the panel to re-boot and show the standard V-series offline screen "Waiting for Eclipse connection"

## Downloading the V-series panel Application, Kernel and Root files

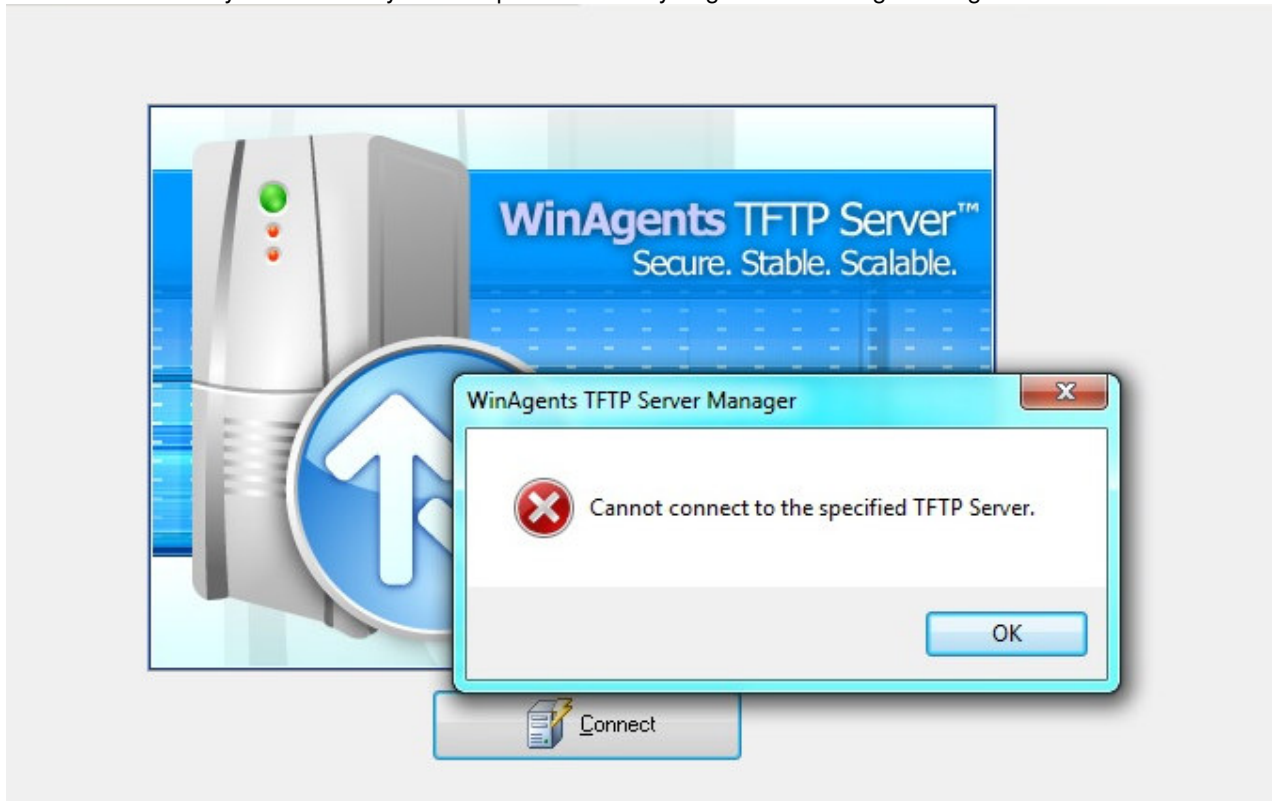
Repower the panel while pressing and holding down the main and aux knob.  
The 4 leds will flash.

Now press the shift key button one time and all the other firmware files will be downloaded. The panel will reboot automatically when the update is finished.  
This can take up to 5 minutes.

### Troubleshooting:

Winagents needs access to TCP/IP ports UDP 69 and TCP 12000.

TCP Port 12000 may be blocked by another process when you get the following message.



To find out which process uses which port you have to do the following:

start up the command window:

Startmenu->run

type:**netstat -nao**

```

Administrator: C:\Windows\system32\cmd.exe
2732
C:\>TASKLIST /find "3514"
C:\>netstat -nao

Aktive Verbindungen

Proto Lokale Adresse Remoteadresse Status PID
TCP 0.0.0.0:135 0.0.0.0:0 ABHÖREN 508
TCP 0.0.0.0:445 0.0.0.0:0 ABHÖREN 4
TCP 0.0.0.0:554 0.0.0.0:0 ABHÖREN 2632
TCP 0.0.0.0:1110 0.0.0.0:0 ABHÖREN 1876
TCP 0.0.0.0:2869 0.0.0.0:0 ABHÖREN 4
TCP 0.0.0.0:3306 0.0.0.0:0 ABHÖREN 2300
TCP 0.0.0.0:5352 0.0.0.0:0 ABHÖREN 4
TCP 0.0.0.0:10243 0.0.0.0:0 ABHÖREN 4
TCP 0.0.0.0:12000 0.0.0.0:0 ABHÖREN 3540
TCP 0.0.0.0:49152 0.0.0.0:0 ABHÖREN 772
TCP 0.0.0.0:49153 0.0.0.0:0 ABHÖREN 1100
TCP 0.0.0.0:49154 0.0.0.0:0 ABHÖREN 1188
TCP 0.0.0.0:49155 0.0.0.0:0 ABHÖREN 860
TCP 0.0.0.0:49157 0.0.0.0:0 ABHÖREN 1876
TCP 0.0.0.0:49162 0.0.0.0:0 ABHÖREN 1728
TCP 0.0.0.0:49167 0.0.0.0:0 ABHÖREN 828

```

Here we can see that port 12000 is used by a process with PID 3540.  
 To find out which process is PID3540 you can use:  
**TASKLIST /find "3540"**

```

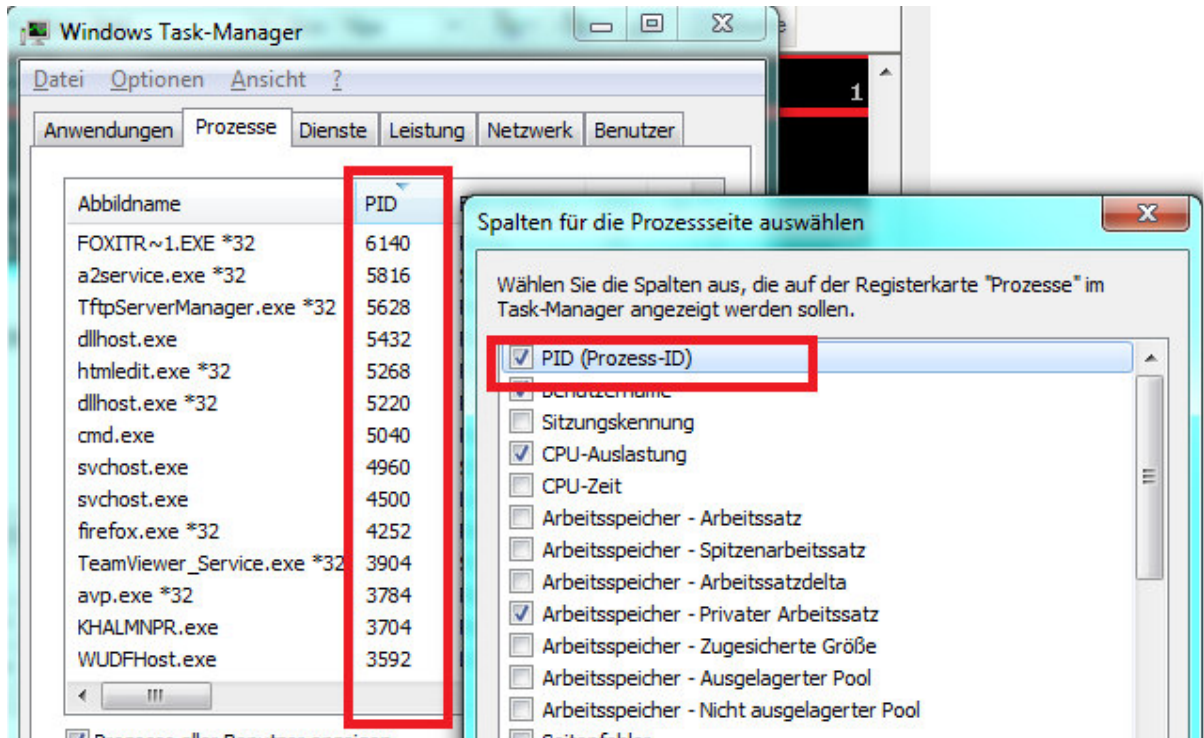
Administrator: C:\Windows\system32\cmd.exe
UDP [::]:51958 ::: 1352
UDP [::]:54506 ::: 2732
UDP [::]:55567 ::: 1352
UDP [::]:1900 ::: 2732
UDP [::]:59282 ::: 2732
UDP [fe80::2033:5787:f5a4:339f%11]:1900 :::
2732
UDP [fe80::2033:5787:f5a4:339f%11]:59280 :::
2732
UDP [fe80::e4db:3520:24e6:fa05%10]:546 :::
1100
UDP [fe80::e4db:3520:24e6:fa05%10]:1900 :::
2732
UDP [fe80::e4db:3520:24e6:fa05%10]:59281 :::
2732
C:\>TASKLIST /find "3540"
ForwardDaemon.exe 3540 Services 0 1.952 K
C:\>netstat -nao

Aktive Verbindungen

Proto Lokale Adresse Remoteadresse Status PID
TCP 0.0.0.0:135 0.0.0.0:0 ABHÖREN 508

```

In the Tasklist Window you can also activate PIDs.  
Start the taskmanager: CTRL ALT DEL or type taskmgr in the run command.  
**Click View->choose columns**



Here you can now "kill" the process with PID which is using port 12000.

You can also have a look if maybe UDP port 69 is used by another process.

If downloads still don't work you should try to disable the firewall.