



DMM-2200P of PBI Digital Headend Product Upgrade Procedure

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1. Software Upgrade Mode

The device can support USB, Web HTTP and Telnet, 3 different ways to update the software. The Web HTTP mode is more convenient for remote update via IP network. The USB mode is much faster and easier for field upgrade. There just one file which named target.tgz needs to be used for upgrading.

2. Software Upgrade Procedure

2.1. Web-http Mode

1. User can check the IP address from the Handheld (default IP address is 10.10.70.48). Please make sure that the equipment and your PC are in the same IP network, refer to Figure 1.

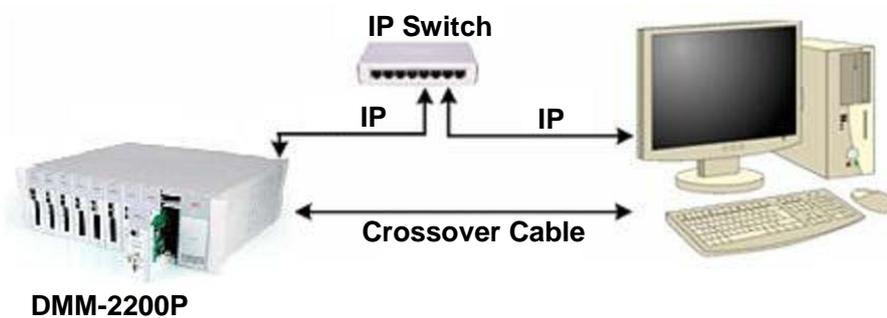


Figure 1: Web Log In

Importance 1: Before upgrading the digital TV head-end equipment, please check whether the Hardware and Software are compliant in the release note. The upgrade can be launched via IP network. Connect the equipment to a PC via a cross over CAT-5 (RJ45) LAN cable or a normal cable using IP switch/hub. Please ensure that the equipment and the PC are in the same local area network(LAN) before upgrade. The default IP address of equipment is 10.10.70.48, and you can check the IP address from LCD screen of the Handset.

Importance 2: Don't switch off the equipment while upgrading.

- Open the IE browser and type <http://10.10.70.48> in the address bar and press **Enter**. If the network configuration is correct, you'll see the login page, as shown below. Use the default user name "root" and password "12345" to log in Web. The new user name and password can be changed by user.



Figure 2: Web Log In

- From the home screen, select **System->Upgrade** page.

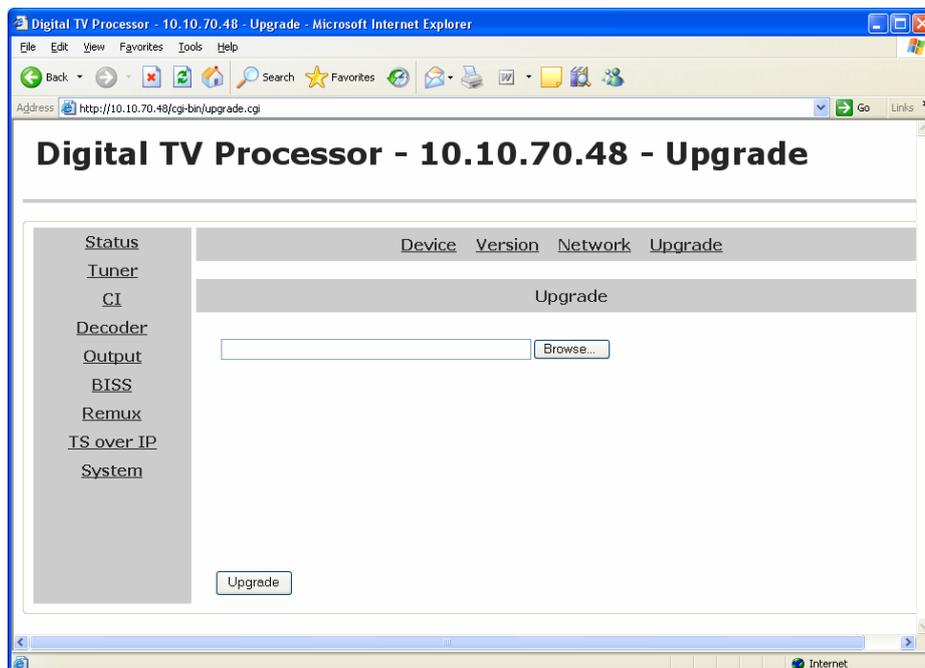


Figure 3: Upgrade Page

- Click the **Browse** button to select the firmware file which named target.tgz.

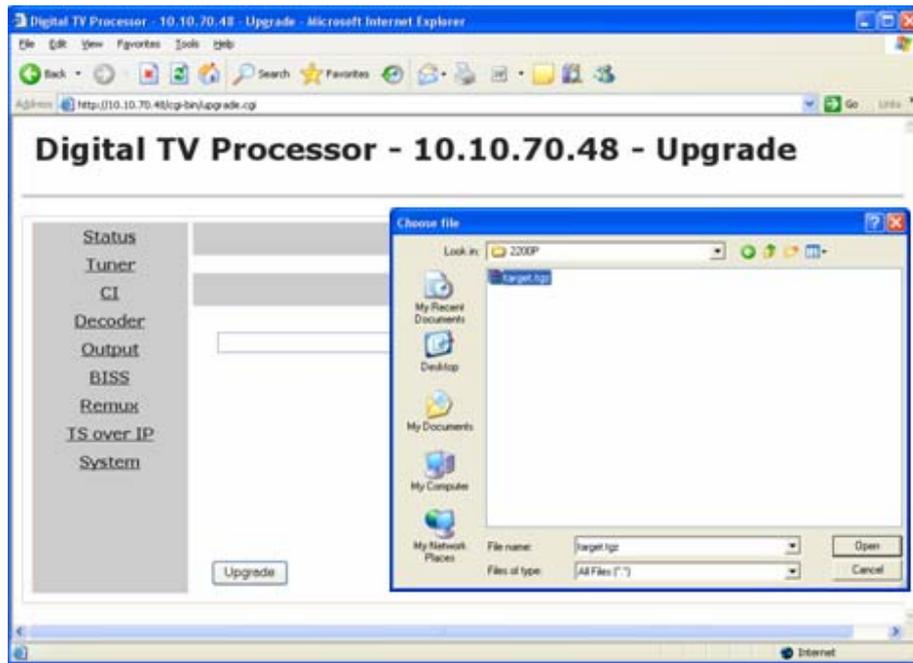


Figure 4: Browse fireware file

- Click the **Upgrade** button to start updating.

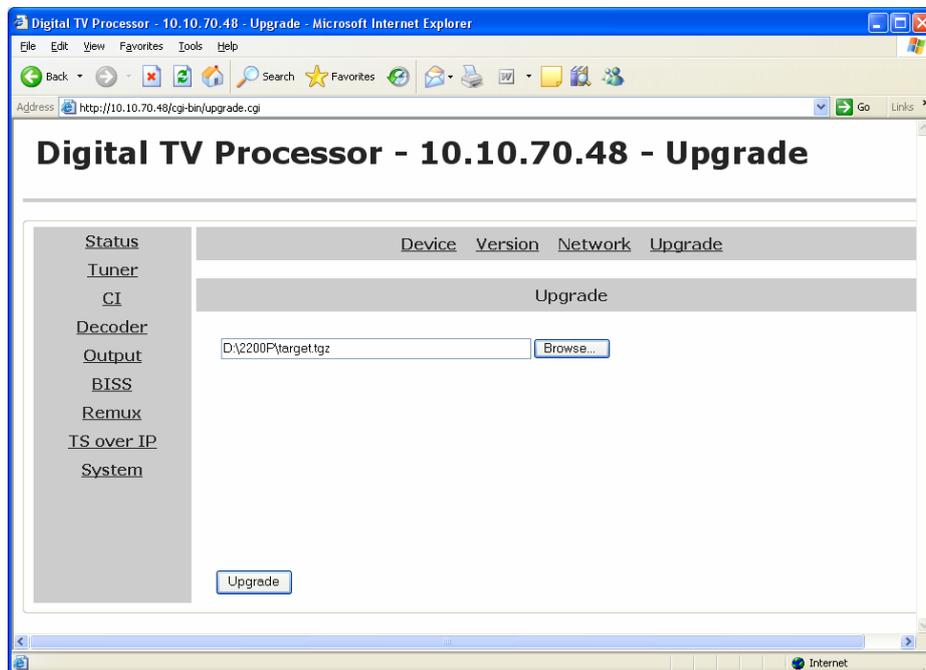


Figure 5: Browse fireware file

- The equipment will be rebooted when the process complete. Please wait a few minutes for rebooting equipment.

2.2. USB Mode

1. Copy the “**target.tgz**” file into the USB flash drive, then connect the USB flash drive to the equipment. The user can check the status of USB via “**Handset: Status -> USB**”. It will be shown “**USB found**” if the USB flash drive connects with the equipment well.
2. Enter the USB control menu through “**Handset: System -> Force Upgrade**”, press **Enter** if the device has found the updating file.
3. The status will be shown on the Handset, for example: “**Upgrading ...**” etc.
4. The Handset will display “**Upgrade Success**” when the software upgrade completed, then the unit will reboot automatically.
5. If the upgrade was not successful, the Handset will display “**Upgrade Fail**”, please follow the procedure from step2 to step4, and upgrade again.
6. It’s better to check the version through “**Handset: System -> Version Info**”, whether the update is correctly, It’s also available to check in web page.

2.3. FTP Mode

1. Turn on the equipment until the booting complete. You can check the IP address from the LCD screen of Handset, the default IP address is 10.10.70.48. Please make sure that the equipment and your PC are in the same IP network, refer to Figure 1.
2. Open the IE browser and type <http://10.10.70.48> in the address bar and press Enter. If the network configuration is correct, you can open the FTP folder without any error, as shown below.

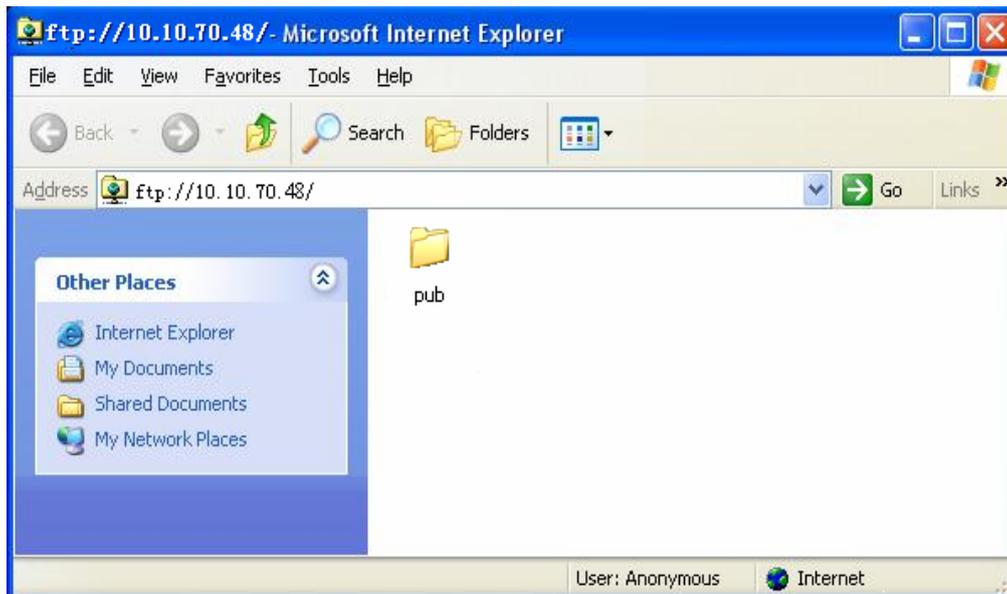


Figure 6: Open the FTP folder

3. Enter the "<http://10.10.70.48/pub>" folder, then copy the "target.tgz" file in this folder, as shown below.

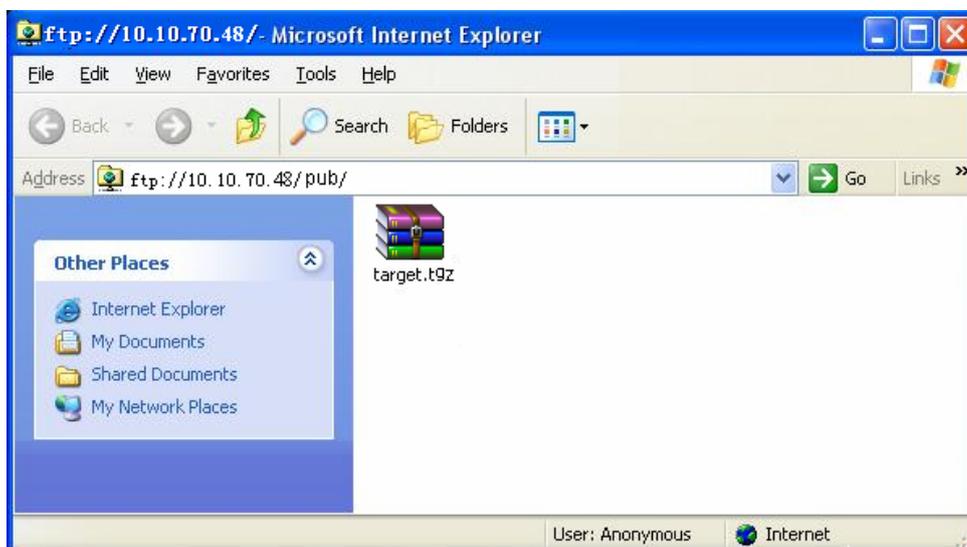
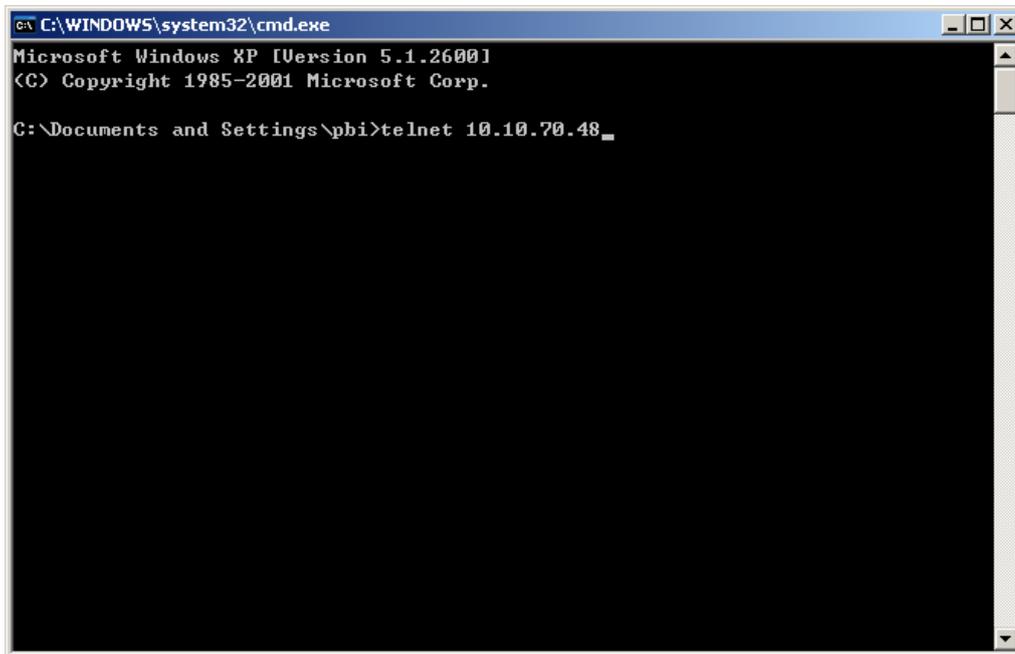


Figure 7: Copy "target.tgz" File

- Click Start and open MS-DOS window. Type “telnet 10.10.70.48”, the current IP address of the equipment under software upgrade as below. Click Enter to go into the login window.

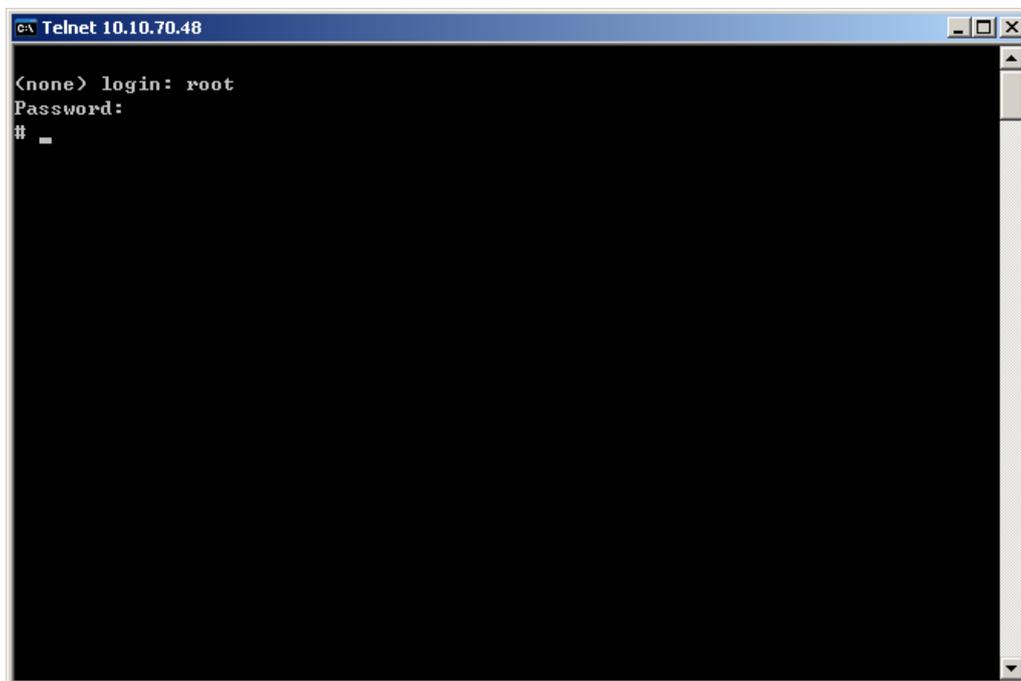


```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\phi>telnet 10.10.70.48_
```

Figure 8: Login window

- Use “root” as login name and “12345” as password, then press Enter.

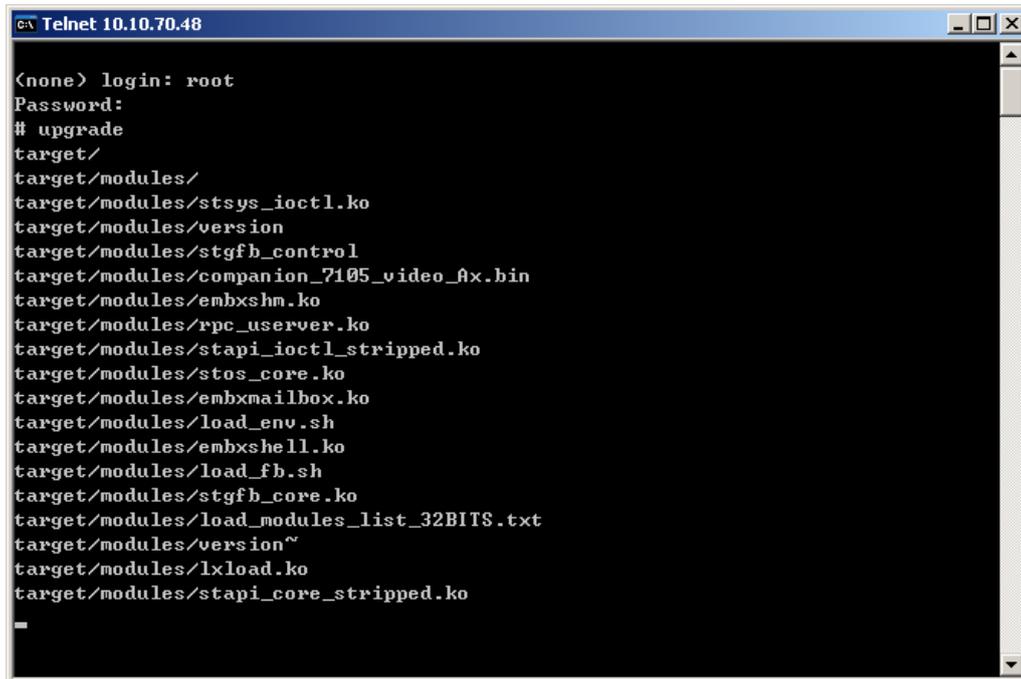


```
Telnet 10.10.70.48

<none> login: root
Password:
# _
```

Figure 9: Enter telnet

6. Key in the command “upgrade” and press **Enter**. The upgrade process will be launched.



```
cx Telnet 10.10.70.48

<none> login: root
Password:
# upgrade
target/
target/modules/
target/modules/stsys_ioctl.ko
target/modules/version
target/modules/stgfb_control
target/modules/companion_7105_video_Ax.bin
target/modules/embxshm.ko
target/modules/rpc_userver.ko
target/modules/stapi_ioctl_stripped.ko
target/modules/stos_core.ko
target/modules/embxmailbox.ko
target/modules/load_env.sh
target/modules/embxshell.ko
target/modules/load_fb.sh
target/modules/stgfb_core.ko
target/modules/load_modules_list_32BITS.txt
target/modules/version~
target/modules/lxload.ko
target/modules/stapi_core_stripped.ko
-
```

Figure 10: Upgrading

7. When the upgrade is finished, the unit will reboot automatically.
8. It's better to check the version through “Handset: System -> Version Info”, whether the update is correctly, It's also available to check in web page.

3. Trouble Shooting

1. The IP address of equipment must be in the same local area network(LAN) with the host PC.
2. Use a cross over CAT 5 RJ-45 cable to connect the equipment and the host PC directly or connect them using normal RJ-45 cable through a IP hub/switch.
3. The host PC used for software upgrade have to have only one network card installed to avoid data connection port error.
4. The MS-DOS command “Telnet” is hidden in Windows-Vista OS, please activate it before upgrade. Please refer to Vista operation manual for details.
5. The operation procedure to access the FTP server in IE 7.0 browser is different from its previous version. Please follow the on-line guide reported by IE 7.0 .

4. Contact Us

To get further support, please contact PBI Technical Support Center:

PBI Technical Support:

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