

1. PC connect the RS232 to DES7200's console
2. Then, Power on the DES-7200
3. Get into Ctrl+B mode when the switch initialization, then upgrade the **CTRL**. The procedure is as following

System bootstrap ...

Nor Flash ID: 0x00010049, SIZE: 2097152Bytes

**Press Ctrl+B to enter Boot Menu .....**

===== BOOT Menu("Ctrl+Z" to upper level) =====

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TOP menu items.

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**0. XModem utilities.**

1. Run CTRL.
2. SetMac utilities.
3. Scattered utilities.

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**Press a key to run the command: 0**

===== BOOT Menu("Ctrl+Z" to upper level) =====

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XModem utilities.

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0. Upgrade BOOT.

**1. Upgrade CTRL.**

2. Upload Flash ROM to PC.

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**Press a key to run the command: 1**

Now, begin download program through XModem...

CCCCCCCCCC

4. Send the **CTRL file** to switch via **Windows XP Hyper terminal's XMODEM**

Below is the example:



5. After transmit the CTRL file, click 'y' to update the CTRL. Then, wait the upgrade complete

XModem download OK, 1045760 bytes received!

file information:

Program type: ctrl  
 Version: 10.3.76833  
 Load Address: 0x01000000  
 Entry Offset: 0x00000000  
 Raw Bin Size: 998144  
 Total Length: 1045760  
 Config Index: 0x000F2F74  
 Total CRC: 0xE27197F4

THE PROGRAM VERSION: RGOS 10.3.\* , Release(76833)

Prepare for upgrading ctrl.

Current version: 10.3.80140.

Upgrade to version: 10.3.76833

Timeout in 22s [Y/n]

Upgrading, keep power on and wait please ...

CURRENT PRODUCT INFORMATION :

PRODUCT ID: 0x20060050

PRODUCT DESCRIPTION: N/A

SUCCESS: UPGRADING OK.

6. After CTRL upgraded successfully. **Power off** and **power on** the DES-7200, get into CTRL + C mode. (**The PC connect a UTP RJ45 Ethernet cable to CM's "10/100 MGMT" port. Then, enable TFTP service**)

Nor Flash ID: 0x00010049, SIZE: 2097152Bytes

Press Ctrl+B to enter Boot Menu .....

Load Ctrl Program ...

Load CTRL with ECC.....

Executing program, launch at: 0x01000000

Ctrl Version: v10.3(5), Release(76833)

MTD\_DRIVER-5-MTD\_NAND\_FOUND: 1 NAND chips(chip size : 33554432) detected

**Press Ctrl+C** to enter Ctrl Menu ....

===== Ctrl Menu("Ctrl+Z" to upper level) =====

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TOP menu items.

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0. format all other module fs.
1. show all module version infomation.
2. Tftp utilities.
3. Restore main program of linecard!
4. XModem utilities.
5. Run Main.
6. Run an Executable file.

7. File management utilities.
8. SetMac utilities.
9. Scattered utilities.

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Press a key to run the command:

7. Check the switch's firmware file name

===== Ctrl Menu("Ctrl+Z" to upper level) =====

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TOP menu items.

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1. show all module version infomation.
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6. Run an Executable file.
7. File management utilities.
8. SetMac utilities.

**9. Scattered utilities.**

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**Press a key to run the command: 9**

===== Ctrl Menu("Ctrl+Z" to upper level) =====

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Scattered utilities.

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0. Reload system.
- 1. Set the MAIN file name.**
2. Set baudrate.

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Press a key to run the command: 1

Please enter the new main file name [firmware.bin]:

**<click enter without any change>**

===== Ctrl Menu("Ctrl+Z" to upper level) =====

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Scattered utilities.

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0. Reload system.
1. Set the MAIN file name.
2. Set baudrate.

\*\*\*\*\*

Press a key to run the command:

**Click Ctrl+Z**

===== Ctrl Menu("Ctrl+Z" to upper level) =====

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TOP menu items.

\*\*\*\*\*

0. format all other module fs.
1. show all module version infomation.
- 2. Tftp utilities.**
3. Restore main program of linecard!
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5. Run Main.
6. Run an Executable file.
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9. Scattered utilities.

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**Press a key to run the command: 2**

===== Ctrl Menu("Ctrl+Z" to upper level) =====

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Tftp utilities.

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0. Upgrade CTRL.
- 1. Upgrade Main program.**
2. Download a file to filesystem.
3. Down to memory and jump to run.

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**Press a key to run the command: 1**

**Plz enter the Local IP:[10.90.90.90]:**

Plz enter the Remote IP:[10.90.90.100]:

Plz enter the Filename:[DNOS.BIN]: firmware.bin

Now, begin download program through Tftp...

Host IP[10.90.90.100] Target IP[10.90.90.90] File name[firmware.bin]

Read Mac

Addr from norflash =00-D0-F8-F8-B1-EA

%Now Begin Download File firmware.bin From  
10.90.90.100 to 10.

90.90.90

send download request.

send download request.!!!!!!!!!!!!!!

!!!!!!!!!!!!!!

!!!!!!!!!!!!!!

!!!!!!!!!!!!!!

!!!!!!!!!!!!!!

%Mission Completion. FILELEN = 15398688

Tftp download OK, 15398688 bytes received!

THE PROGRAM VERSION: Firmware 10.3.\* , Release(76833)

Load temporary upgrade file to memory ...

Checking file, please wait for a few minutes ....

Check file success.

CURRENT PRODUCT INFORMATION :

PRODUCT ID: 0x20060050

PRODUCT DESCRIPTION: DES-7206 Modular Layer 3 Chassis Ethernet Switch

SUCCESS: UPGRADING OK.

===== Ctrl Menu("Ctrl+Z" to upper level) =====

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Tftp utilities.

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0. Upgrade CTRL.
1. Upgrade Main program.
2. Download a file to filesystem.
3. Down to memory and jump to run.

\*\*\*\*\*

Press a key to run the command:

===== Ctrl Menu("Ctrl+Z" to upper level) =====

\*\*\*\*\*

TOP menu items.

\*\*\*\*\*

0. format all other module fs.
1. show all module version infomation.
2. Tftp utilities.
3. Restore main program of linecard!
4. XModem utilities.

**5. Run Main.**

6. Run an Executable file.
7. File management utilities.
8. SetMac utilities.
9. Scattered utilities.

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Press a key to run the command: 5

8. After the switch rebooted, check the firmware version

DES-7206#show version

System description : DES-7206 Modular Layer 3 Chassis Ethernet Switch

System start time : 2010-06-17 6:49:53

System uptime : 0:0:2:32

System hardware version : A1.0

System software version : v10.3(5), Release(76833)

System BOOT version : 10.3.76833

System CTRL version : 10.3.76833

Module information:

Slot-M2 : 7200-CM1

Hardware version : A1.0

Software version : v10.3(5), Release(76833)

BOOT version : 10.3.76833

CTRL version : 10.3.76833

DES-7206#

DES-7206#