



Control Your Video

**VIDEO WALLS VIDEO PROCESSORS**  
**VIDEO MATRIX SWITCHES**  
**EXTENDERS SPLITTERS WIRELESS**  
**CABLES & ACCESSORIES**

## UPGRADE GUIDE

### IP Controller for HDM-C6VWIP-SET



**Model #: CTRLPRO-VWIP**

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## Product Application & Market Sectors



Corporate



House Of Worship



Military



Residential



Education



Industrial



Medical



Aviation



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## SECTION I: GETTING STARTED

### I.1 IMPORTANT SAFEGUARDS

**Please read all of these instructions carefully before you use the device. Save this manual for future reference.**

#### **What the warranty does not cover**

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - Repair or attempted repair by anyone not authorized by us.
  - Any damage of the product due to shipment.
  - Removal or installation of the product.
  - External causes to the product, such as electric power fluctuation or failure.
  - use of supplies or parts not meeting our specifications.
  - Normal wear and tear.
  - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

### I.2 SAFETY INSTRUCTIONS

The Avenview CTRLPRO-VWIP, IP Controller function has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the CTRLPRO-VWIP should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- ⚠ Do not dismantle the housing or modify the module.
- ⚠ Dismantling the housing or modifying the module may result in electrical shock or burn.
- ⚠ Refer all servicing to qualified service personnel.
- ⚠ Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- ⚠ keep the module away from liquids.
- ⚠ Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- ⚠ Have the module checked by a qualified service engineer before using it again.
- ⚠ Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



## 1.3 REGULATORY NOTICES FEDERATION COMMUNICATIONS COMMISSION (FCC)

This equipment has been tested and found to comply with part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

Warning symbols	Description
	<p>ONLY USE THE PROVIDED POWER CABLE OR POWER ADAPTER SUPPLIED. DO NOT TAMPER WITH THE ELECTRICAL PARTS. THIS MAY RESULT IN ELECTRICAL SHOCK OR BURN.</p>
	<p>DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.</p>
	<p>THE VIDEO BOARDS ARE VERY SENSITIVE TO STATIC. PLEASE ENSURE IF RACK MOUNTED OR INSTALLED ON A SURFACE, IT SHOULD BE IN A GROUNDED ENVIRONMENT.</p>
	<p><b>! WARNING</b></p> <p>Read &amp; understand user guide before using this device.</p> <p>Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.</p>



## 2. UPGRADE



### Warning:

Do not power off device during upgrade processing, otherwise it may cause damage to the device.

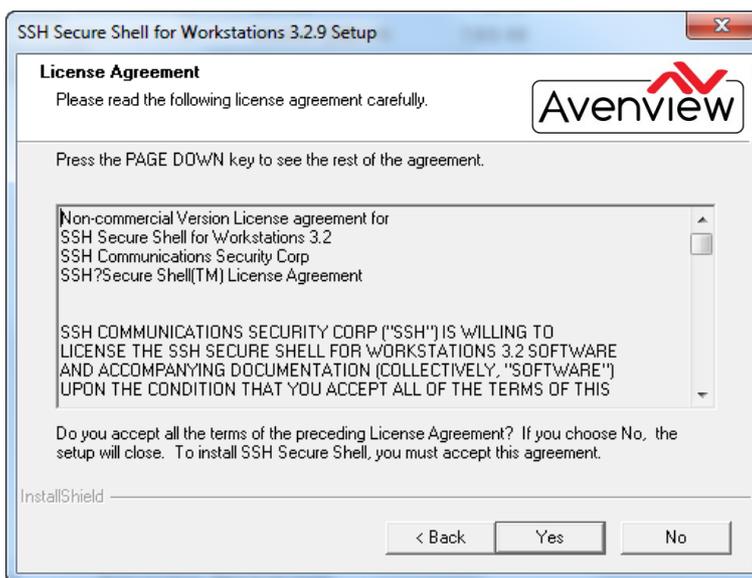
## 2.1 Preparation

1. Download **SSHSecureShellClient** from [SSHSecureShellClient-3.2.9.exe](#) , install it on your computer.

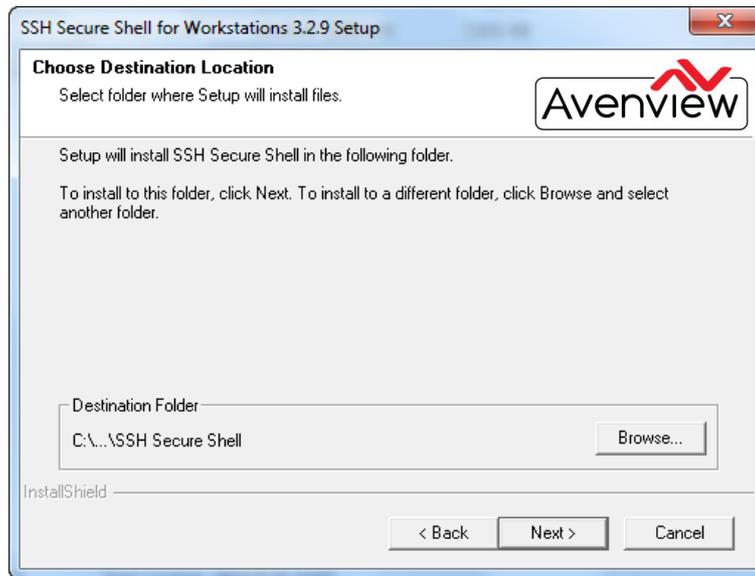
**Step 1. Run SSHSecureShellClient, click Next.**



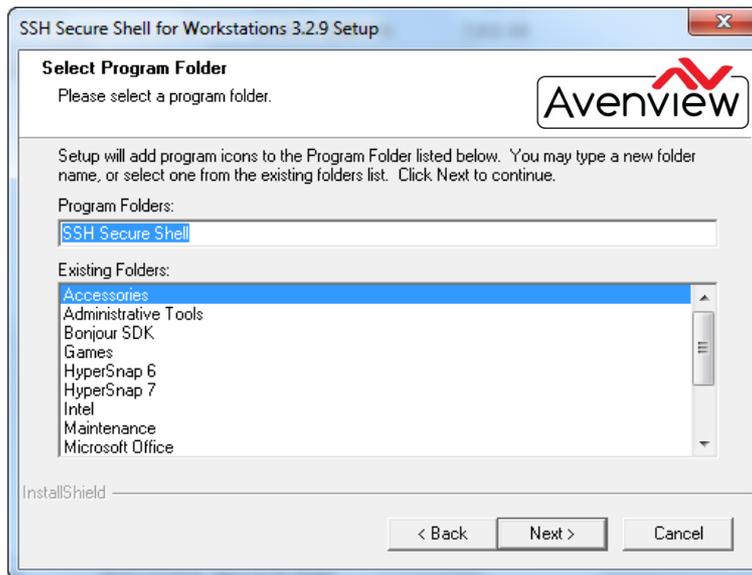
**Step 2. Click Yes.**



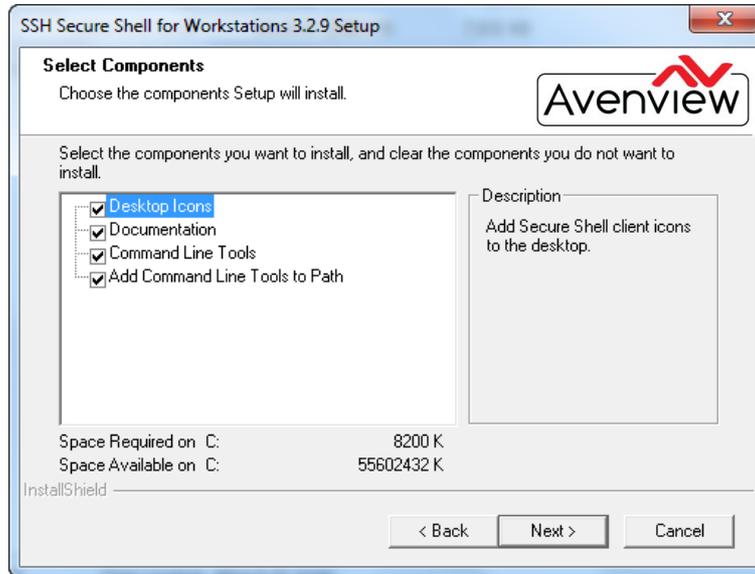
**Step 3. Select a folder, Click Next.**



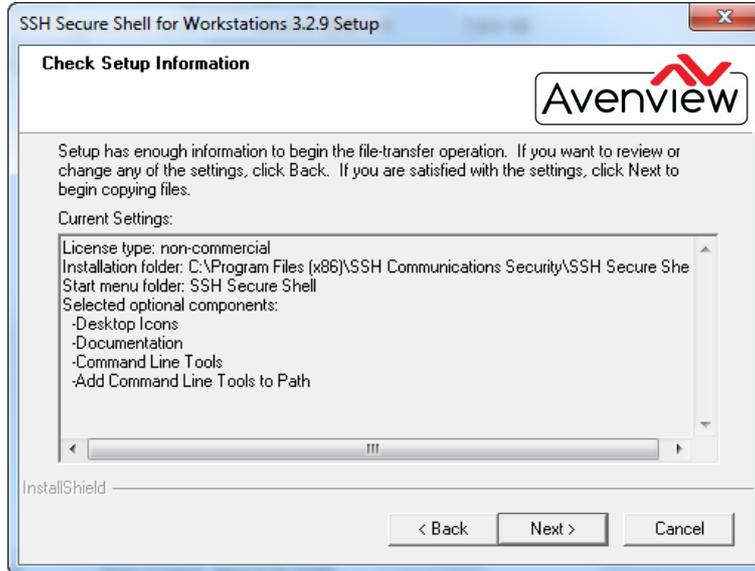
**Step 4. Click Next.**



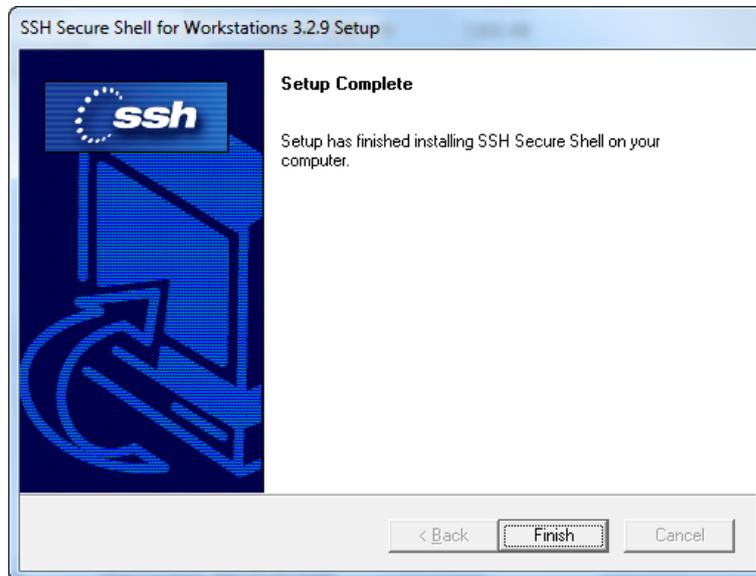
Step 5. Click Next.



Step 6. Click Next.



**Step 7. Click Finish.**

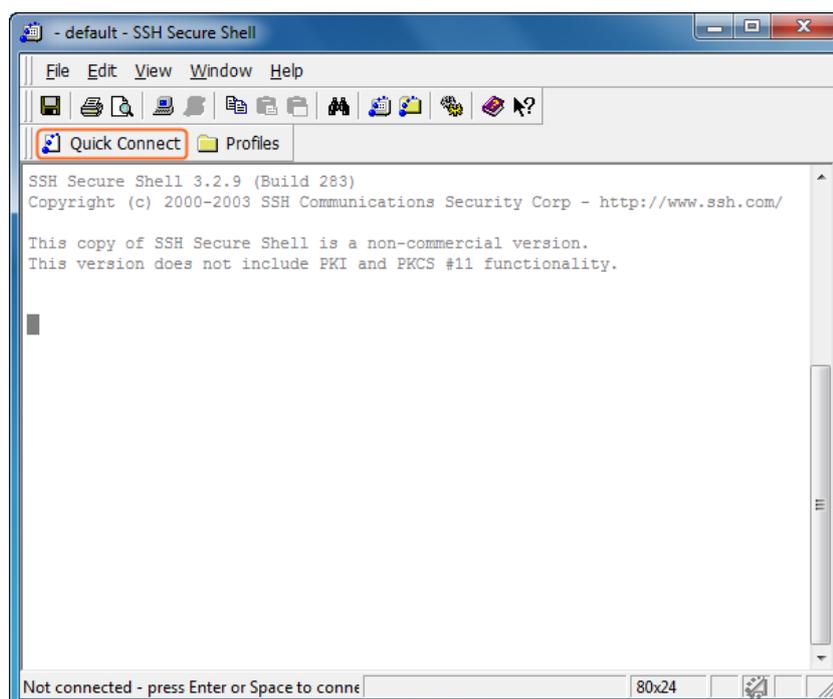


2. Check the IP address of your computer.

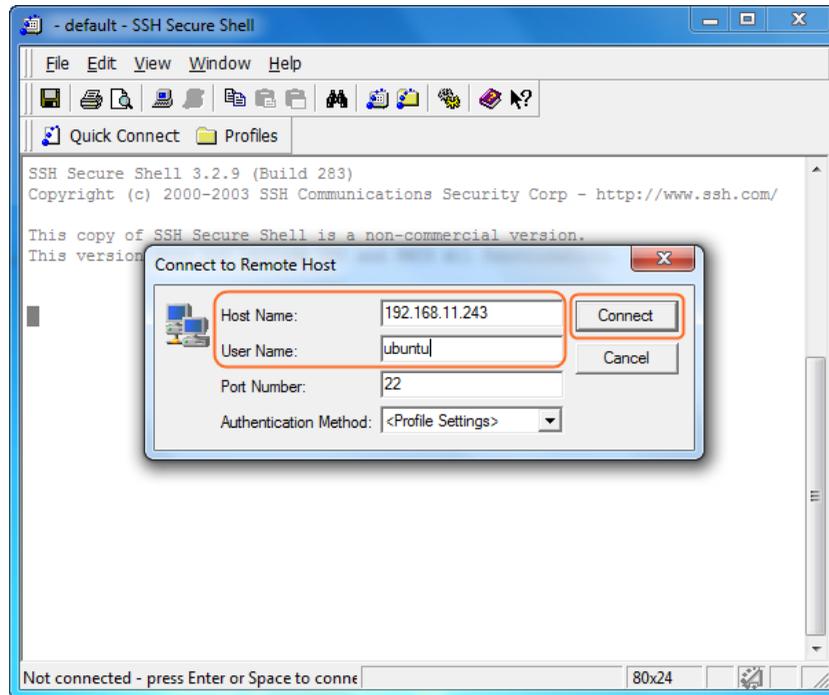
Set your Laptop/PC IP address (192.168.11.X) and subnet mask (255.255.255.0) before you upgrade. The IP address of the computer and IP Control Box should be in the same network subnet.

## 2.2 Upgrade Instructions

**Step 1. Start SSHSecureShellClient, by clicking on the icon.**  
After click **Quick Connect**.



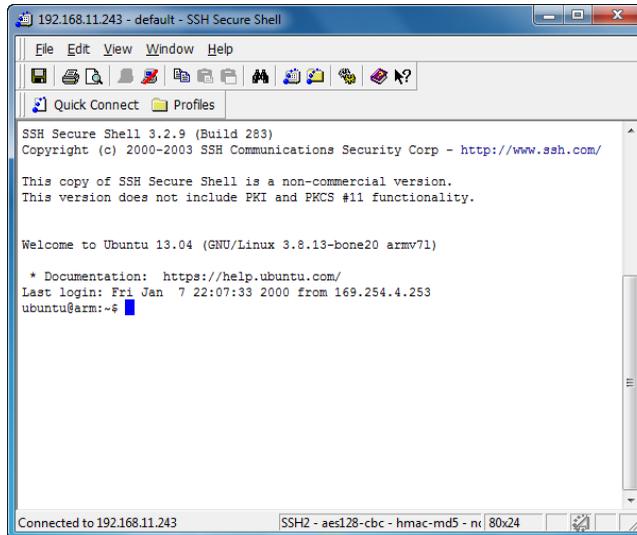
**Step 2.** Enter **192.168.11.243** in **Host Name**, enter **ubuntu** in **User Name**, and then click **Connect**.



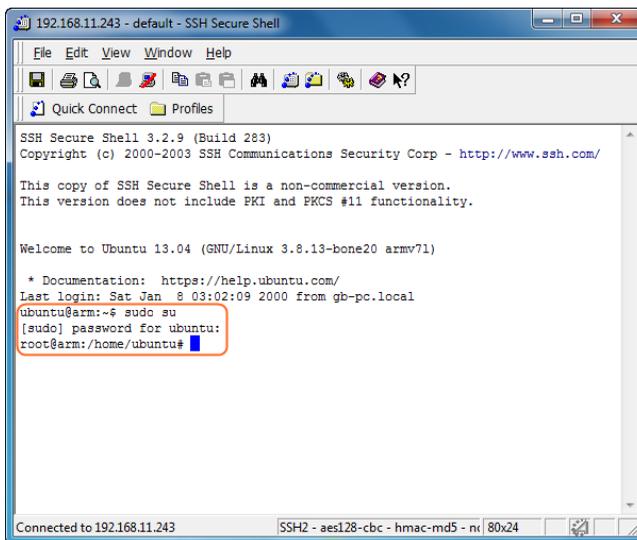
**Step 3.** Enter **tempwd** in password, click **OK**.



The Terminal command line interface window pops up.



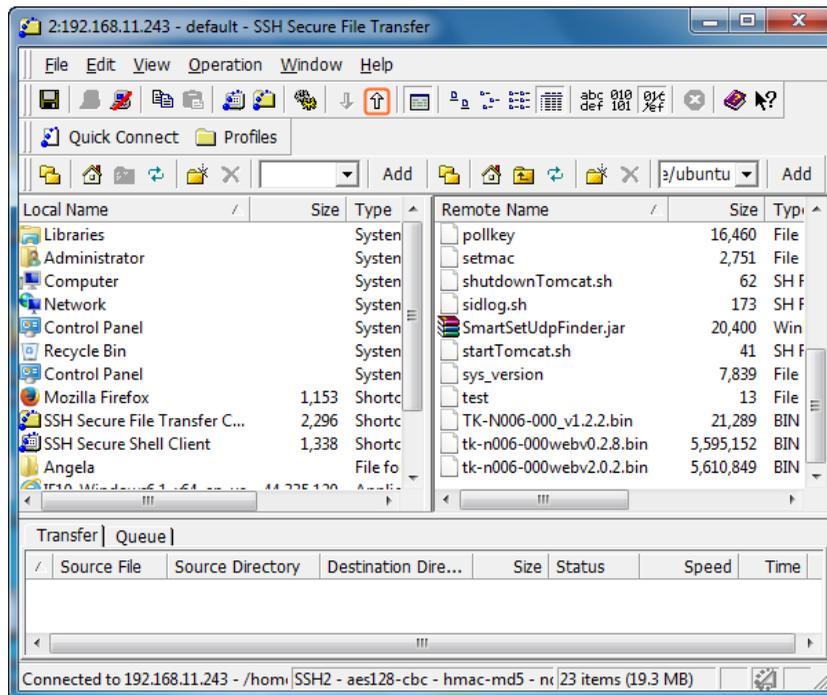
**Step 4.** Input command line **sudo su**, then press **Enter**. Then input the password **temppwd**, then press **Enter**.



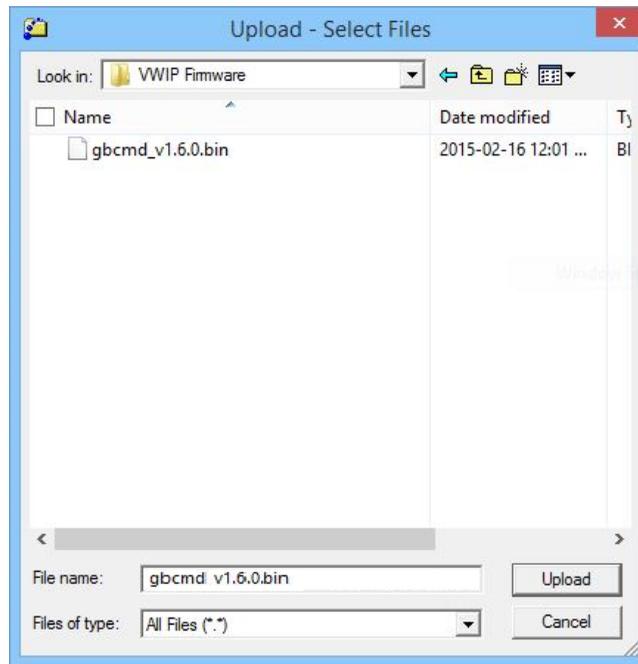
**Step 5.** Click this yellow icon to display the SSC Secure File Transfer dialog box.



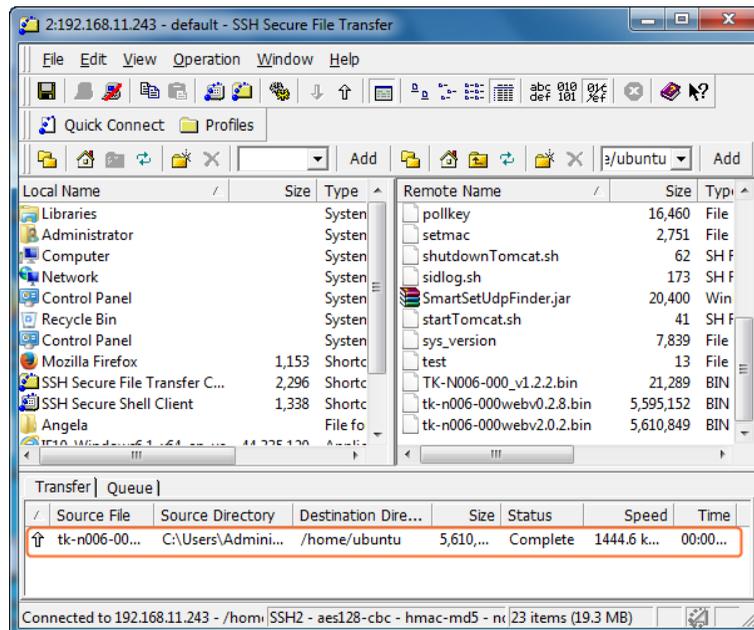
**Step 6.** Click the Upload button to upload the bin file.



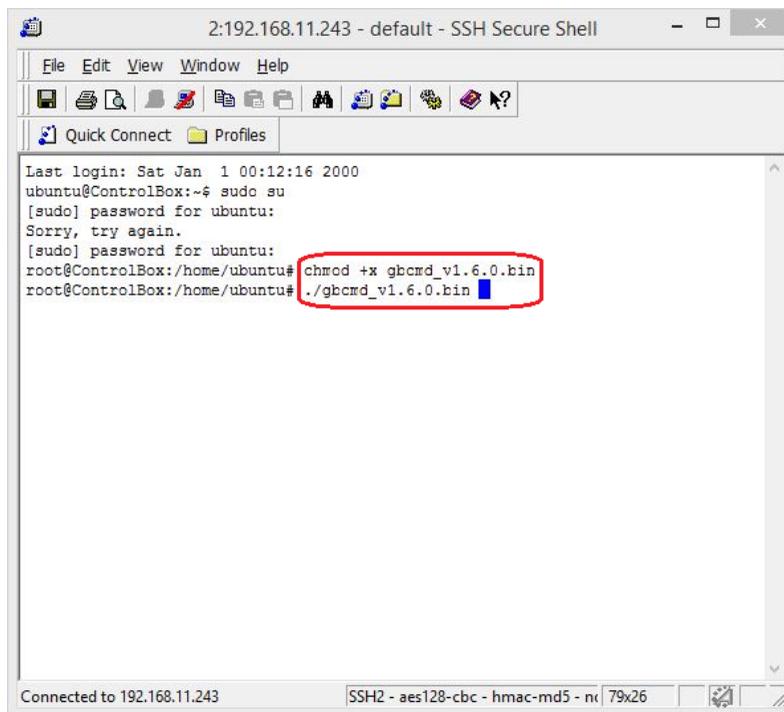
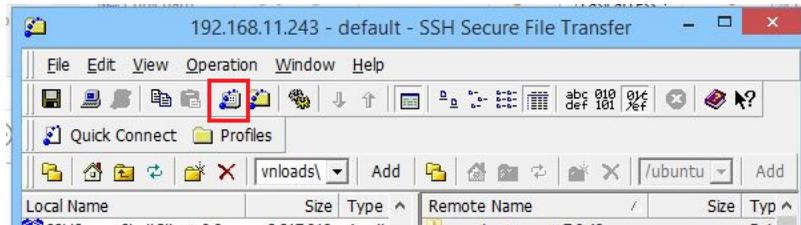
**Step 7.** Select the gbcmd\_v1.6.0.bin file, Click **Upload**.



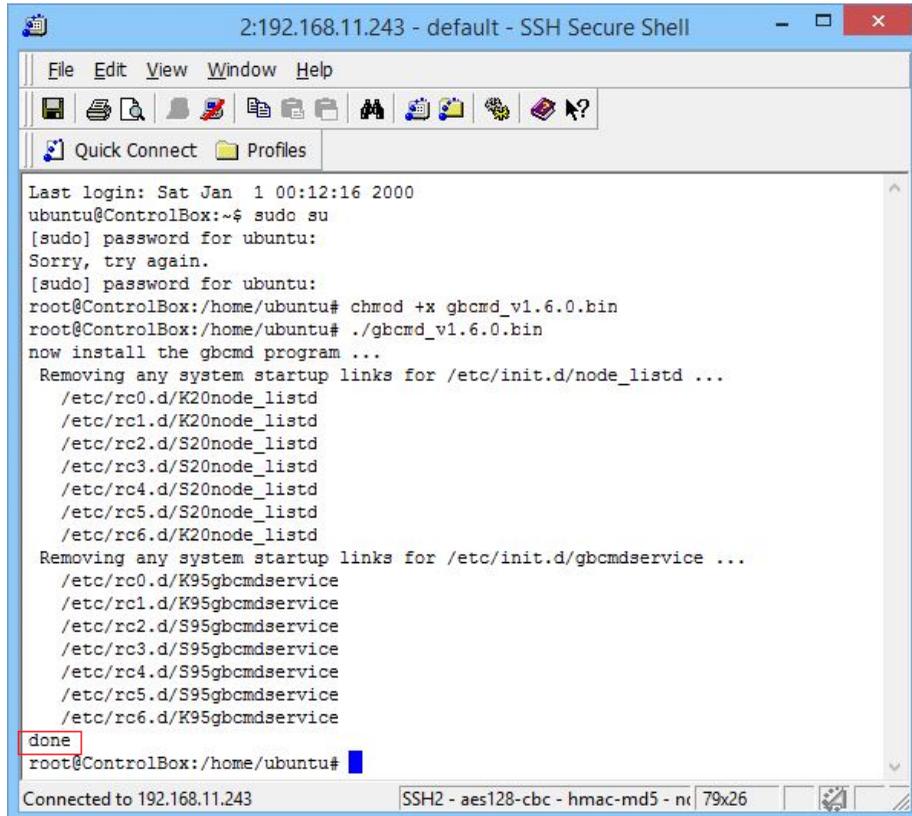
**Step 8.** Successfully uploaded.



**Step 9.** Open the Ubuntu terminal command line interface, type **chmod +x gbcmd\_v1.6.0.bin**. (xxxx.bin is the full name of the bin file), press **Enter**. Then type **./gbcmd\_v1.6.0.bin**, press **Enter**.



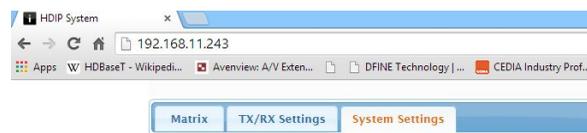
The Terminal window should show the progress of the upgrade being completed as shown below.



```
2:192.168.11.243 - default - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles
Last login: Sat Jan 1 00:12:16 2000
ubuntu@ControlBox:~$ sudo su
[sudo] password for ubuntu:
Sorry, try again.
[sudo] password for ubuntu:
root@ControlBox:/home/ubuntu# chmod +x gbcmd_v1.6.0.bin
root@ControlBox:/home/ubuntu# ./gbcmd_v1.6.0.bin
now install the gbcmd program ...
Removing any system startup links for /etc/init.d/node_listd ...
/etc/rc0.d/K20node_listd
/etc/rc1.d/K20node_listd
/etc/rc2.d/S20node_listd
/etc/rc3.d/S20node_listd
/etc/rc4.d/S20node_listd
/etc/rc5.d/S20node_listd
/etc/rc6.d/K20node_listd
Removing any system startup links for /etc/init.d/gbcmdservice ...
/etc/rc0.d/K95gbcmdservice
/etc/rc1.d/K95gbcmdservice
/etc/rc2.d/S95gbcmdservice
/etc/rc3.d/S95gbcmdservice
/etc/rc4.d/S95gbcmdservice
/etc/rc5.d/S95gbcmdservice
/etc/rc6.d/K95gbcmdservice
done
root@ControlBox:/home/ubuntu#
Connected to 192.168.11.243 SSH2 - aes128-cbc - hmac-md5 - n... 79x26
```

The unit will automatically reboot after firmware upgrade.

**Step 10.** Login to the CTRL-VWIP box via any browser at 192.168.11.243, click on System Settings.



**Step 11.** Please note under the section Version> it will state the updated system version (v1.6.0), if this section does not indicate the updated version please redo all steps.

**Version**

API version: v1.0.0  
System version: v2.1.4(v1.6.0)

**Telnet API Command**

Apply

**Log**

```
15:04:07 receive:API version: v1.0.0 System version: v2.1.4(v1.6.0)
15:03:20 receive:API version: v1.0.0 System version: v2.1.4(v1.6.0)
15:03:20 receive:device json string:[]
15:03:20 receive:ipsetting2 is:ip4addr 192.168.11.243 netmask 255.255.0.0 gateway 192.168.11.1
15:03:20 receive:ipsetting is:ip4addr 169.254.1.1 netmask 255.255.0.0 gateway 169.254.1.254
15:03:20 result code:1, Welcome to use.
15:03:16 Info: WebSocket connection opened.
```





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