



How to upgrade 6900UDI through serial port

HIKVISION TECHNICAL SUPPORT TEAM

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How to Upgrade 6900UDI through Serial Port

This document is intended to show the steps of how to upgrade decoder through serial operation

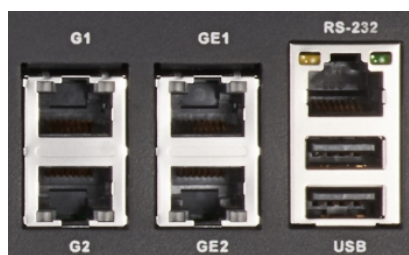
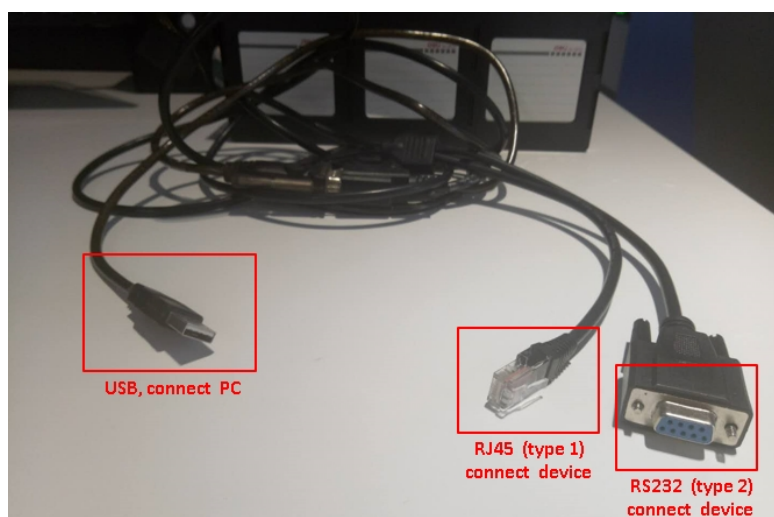
Note: 1. Please make sure to close all the **firewall** and **VPN** software (e.g. **EasyConnect**) on your PC before operating the serial upgrade; 2. The update package of 6900UDI should be decompressed and placed in the **same file** with tftp server, and is suggested to put in the root directory of D disk

temp	2014/9/9 14:13	File folder	
Common.dll	1998/7/7 15:06	Application extens...	43 KB
digicap.dav	2016/11/7 13:47	DAV File	31,580 KB
sec	2007/2/1 11:44	VLC media file (.bi...	52 KB
tftp	2004/5/10 11:39	Application	80 KB
TFTPServer	2004/7/30 12:35	Application	23 KB
tftpsvc.dll	1998/7/8 11:12	Application extens...	19 KB
u-boot	2010/12/6 9:02	VLC media file (.bi...	143 KB
u-boot_8127	2015/10/14 20:11	VLC media file (.bi...	384 KB

1. Connect **serial cable and network cable** directly from PC to decoder

Serial cable:

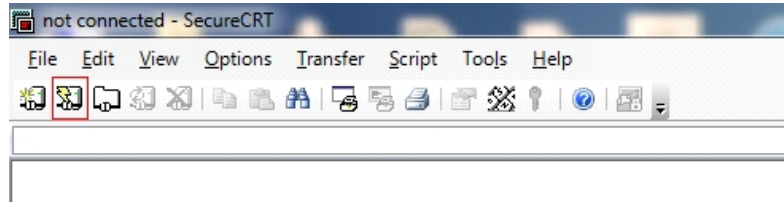
Connect USB interface to PC, and RJ45 (type 1) to decoder RS232, as picture below shows



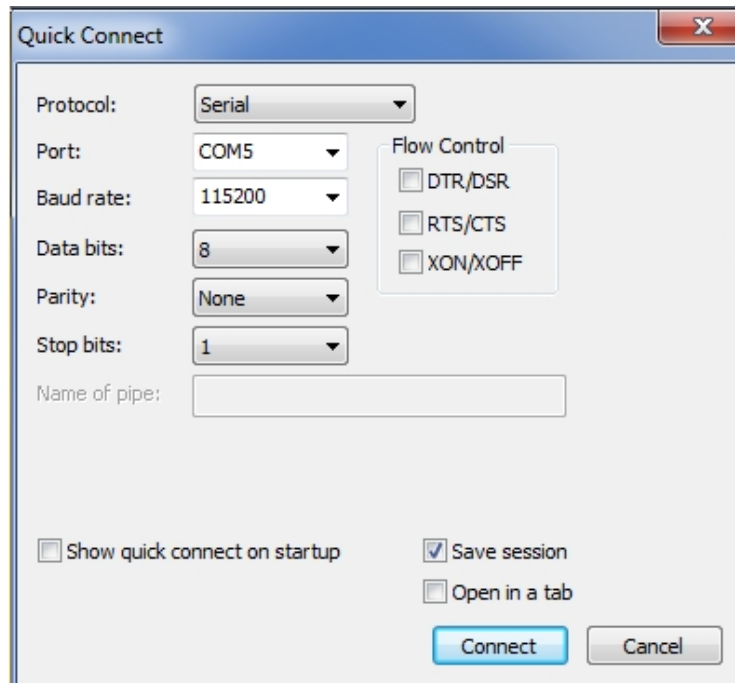
Network Cable:

Connect **only GE1 port** to PC network interface, make sure both PC and decoder at the **same network segment**. (The initial IP of 6900UDI **GE1 port** is 192.0.0.64)

2. Open SecureCRT software and click Quick Connect



3. Choose Serial protocol, configure the parameters as below, disable flow control, and select the right COM port



4. Enter uboot mode

Power on the decoder again, at the same time, press **Ctrl+U** to enter uboot mode

```
Hit ctrl+u to stop autoboot: 0  
HIK>>
```

5. Format

Input **format** to format the device



```
HIK>> format
.....
..... done
Un-Protected 480 sectors

.....
..... done
Erased 480 sectors

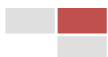
.....
..... done
Protected 480 sectors
```

6. Update

Open cisco tftp server, check the IP on tftp server. Input **Updatek**, fill in the **IP of decoder (192.0.0.64)** and **tftp server** to update, select **y**

```
HIK>> updatek
Please input the ip address of device: 192.0.0.64
Please input the ip address of upgrade server: 192.0.0.65
Confirm?(y/n): y
Using egiga0 device
Using egiga0 device
TFTP from server 192.0.0.65; our IP address is 192.0.0.64
Filename 'digicap.dav'.
Load address: 0x20000000
Loading: #####
#####
#####
#####
#####
```

Wait for several minutes, the device will reboot automatically after upgrade



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