

VC-BR60S Firmware(FW) Upgrade

Please contact Lumens FAE Department through e-mail to get the proper FW and AP before upgrading.

1. Device and Tool Preparation

1.1 Please prepare following devices and tools before FW upgrade.

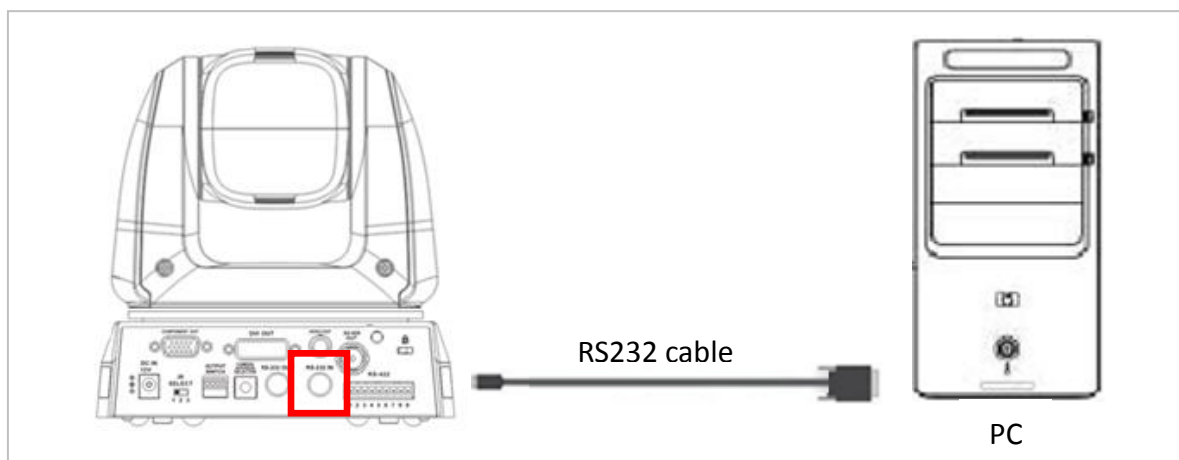
VC Model	PC with a RS232 port or Laptop
	 or 
RS232 cable	RS232-USB cable (if connect with a laptop)
 (9Pin D-Sub Female to 8Pin Mini Din Male)	
Monitor	Power adapter and power cord
	

2. Connections for FW upgrade

****Note:** OS Support: Windows Vista, Windows XP, Windows 7, Windows 8

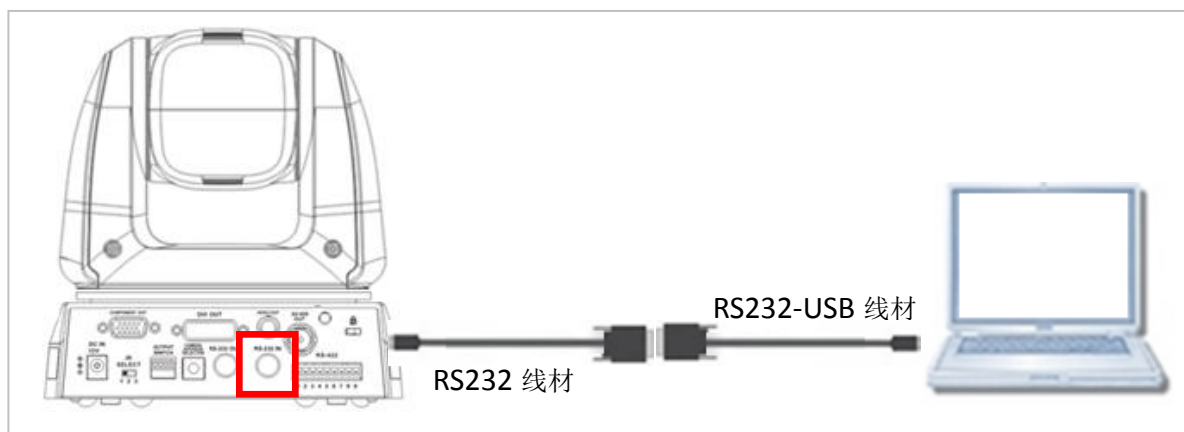
The VC FW cannot be upgraded through MAC OS.

2.1 Connect the VC camera(RS232 In) with a PC



2.2 Connect the VC camera(RS232 In) with a laptop

Need 2 cables: RS232 cable and RS232-USB cable



3. FW Upgrade AP

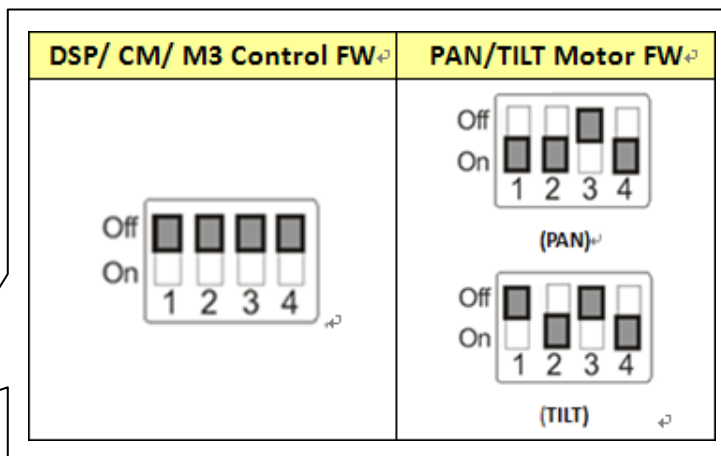
3.1 Please contact Lumens FAE Department through e-mail to get the AP before upgrading.

Download Tool AP	FW Version
VC Download Tool	VEXXXXR
VC DSP FW download	Motor_Pan_VEYXXXXR Motor_Tilt_VEYXXXXR

4. Download Mode

4.1 Different FW has different download modes.

For the detailed information and the download procedure, please check related chapters below.



5. VC-BR60S FW Type

Please refer to following chapter for W upgrade.

5.1 Control FW

5.2 PAN/TILT Motor Control FW

5.2.1 PAN and TILT have different FW which need to be upgraded separately.

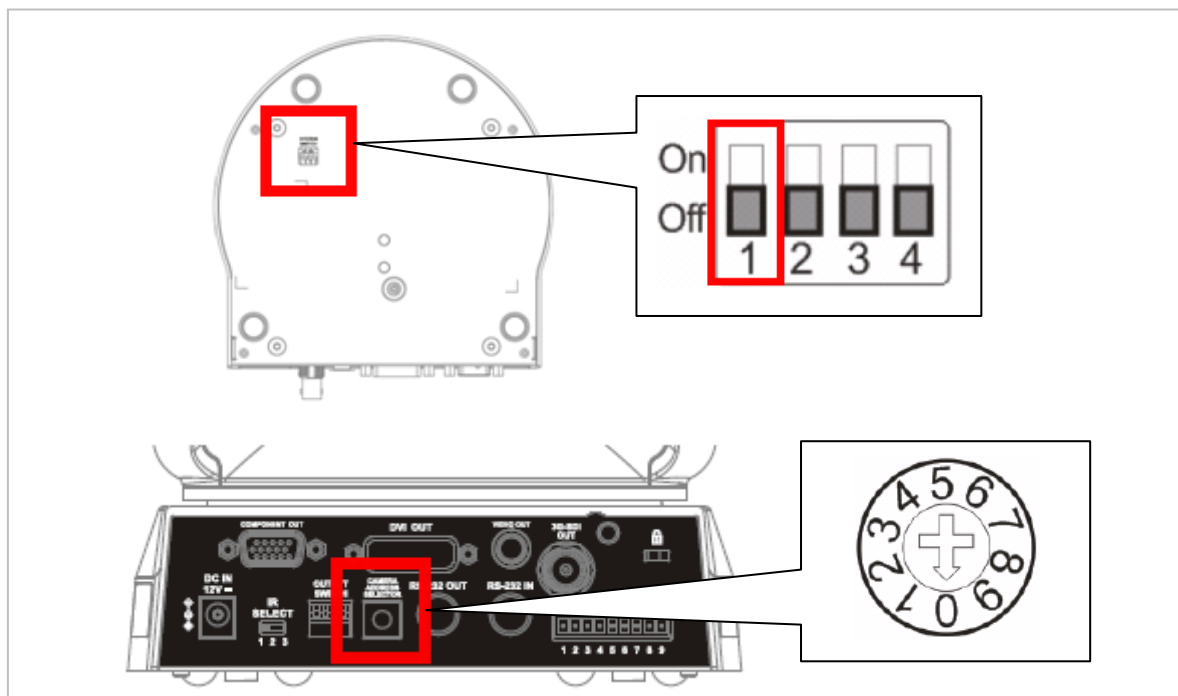
PAN: Motor_Pan_VEYXXX

TILT: Motor_Tilt_VEYXXX.

6. Other Settings

6.1 “System DIP Switch” on the bottom, DIP 1 set at OFF which is for RS232 control.

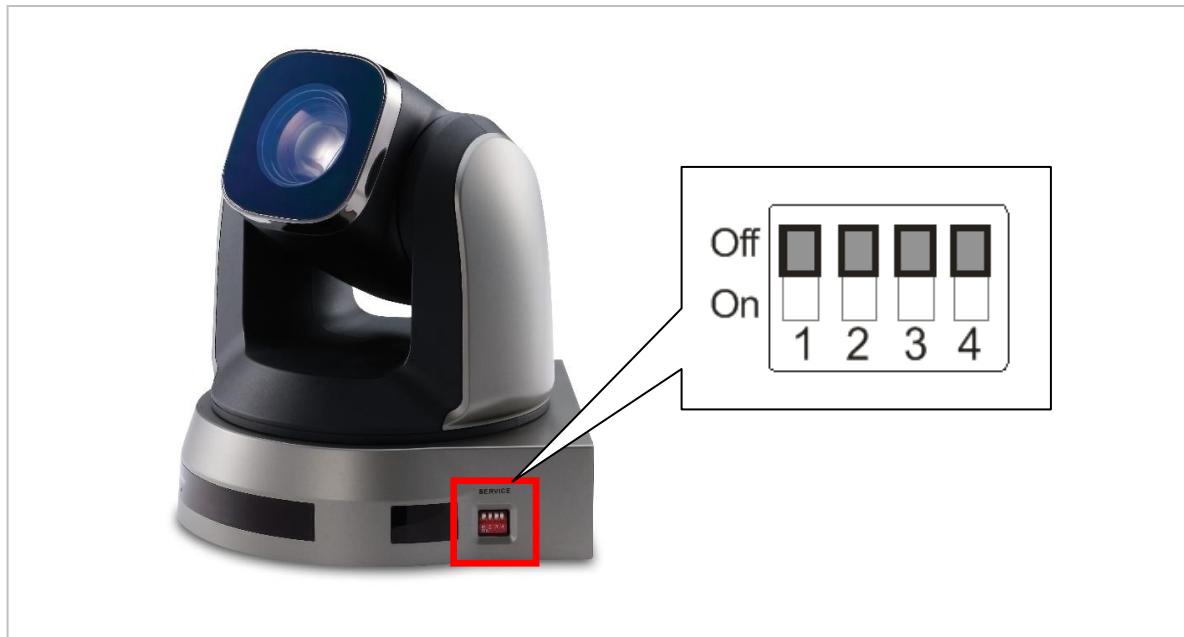
6.2 “Camera Address Selector” set at 0 position



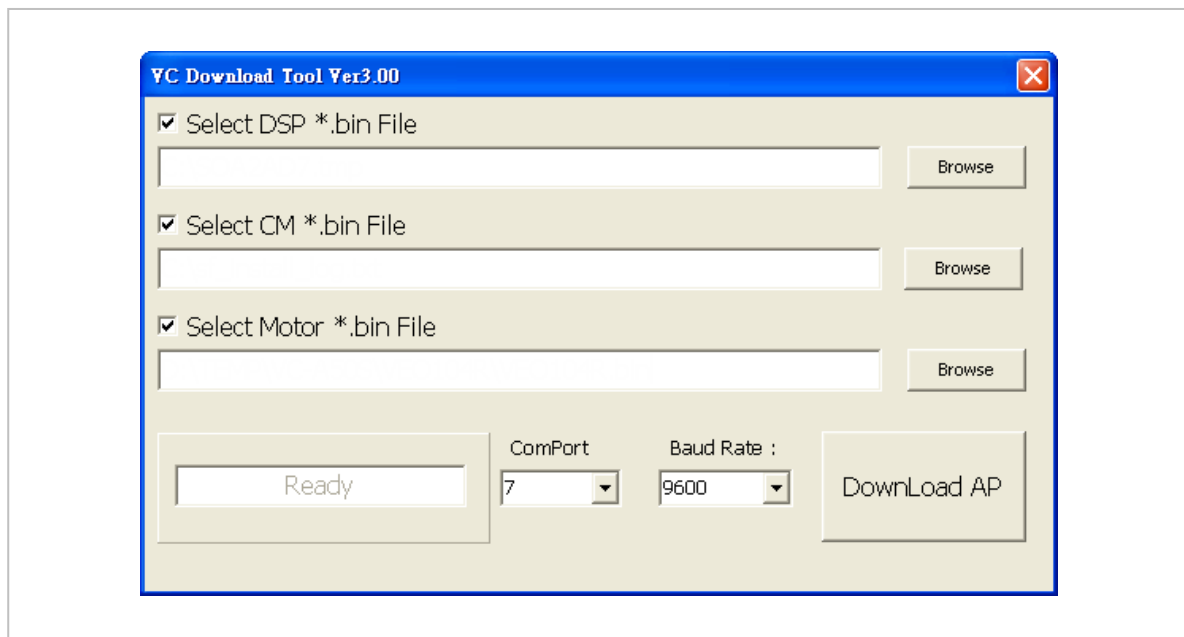
7. Control FW

7.1 Please refer to [4.2 Connections for FW upgrade](#)

7.2 Please check the Service DIP Switch at the **default position (all off)**, and then plug in the power cord.



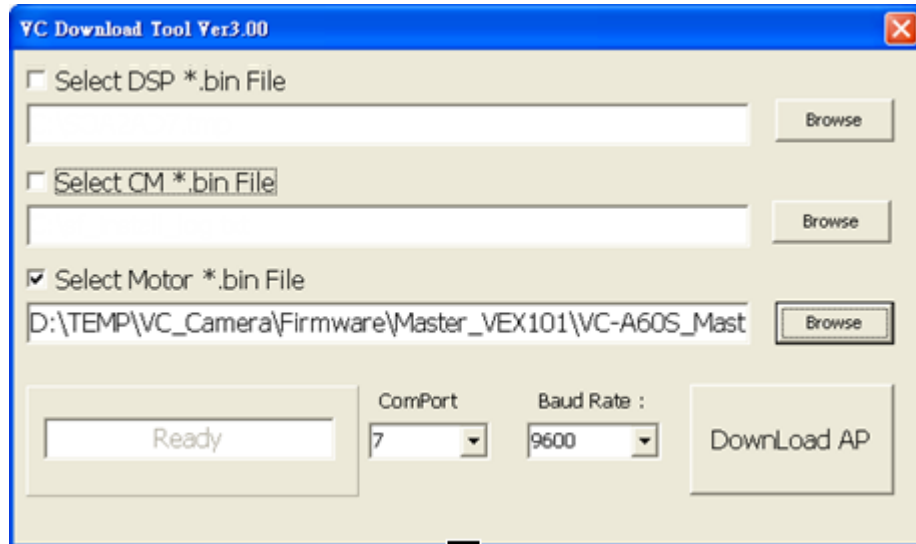
7.3 Launch the [VC Download Tool].



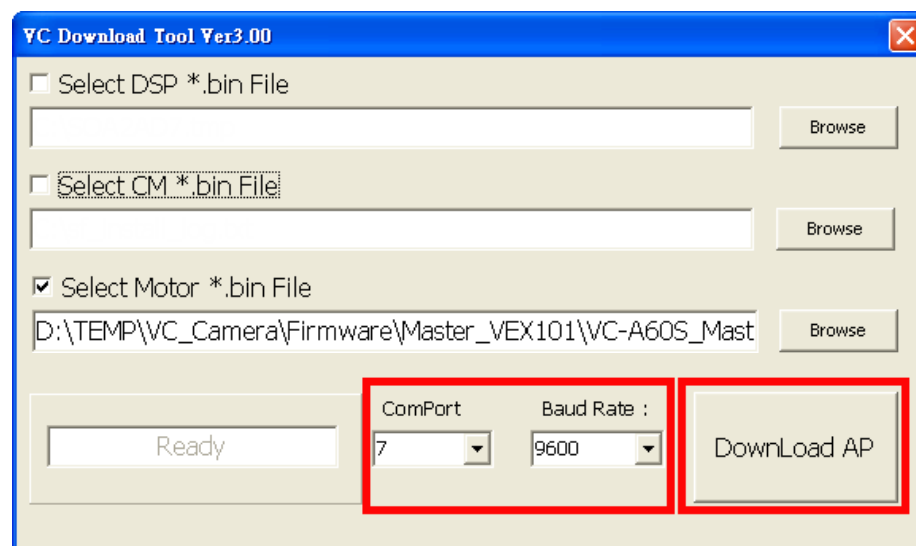
7.4 Browse and select proper FW file.

- Uncheck the box in the front of “DSP *.bin File” and “CM *.bin File”
- Check the box in the front of “Motor *.bin File”
- Click [Browse] and select the FW file

 **Please be aware of the FW code when selecting FW file.
Wrong FW file will cause the unit shutdown.**

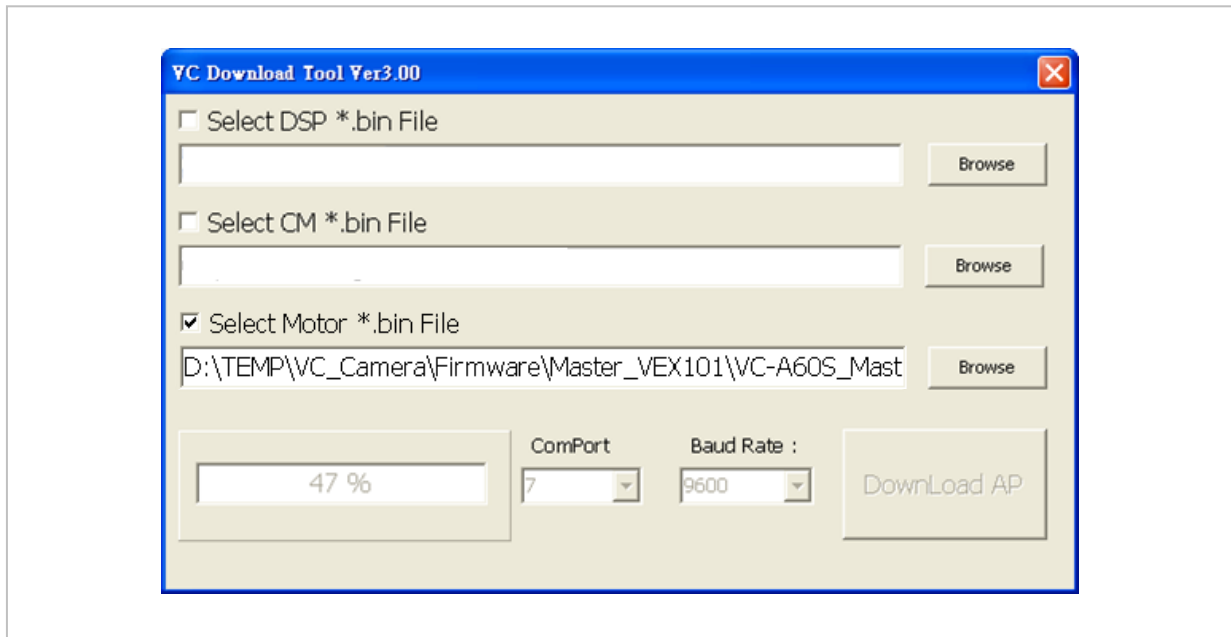


7.5 Select proper [Com Port] and set the [Baud Rate] as [9600], and then press [Download AP] to start.



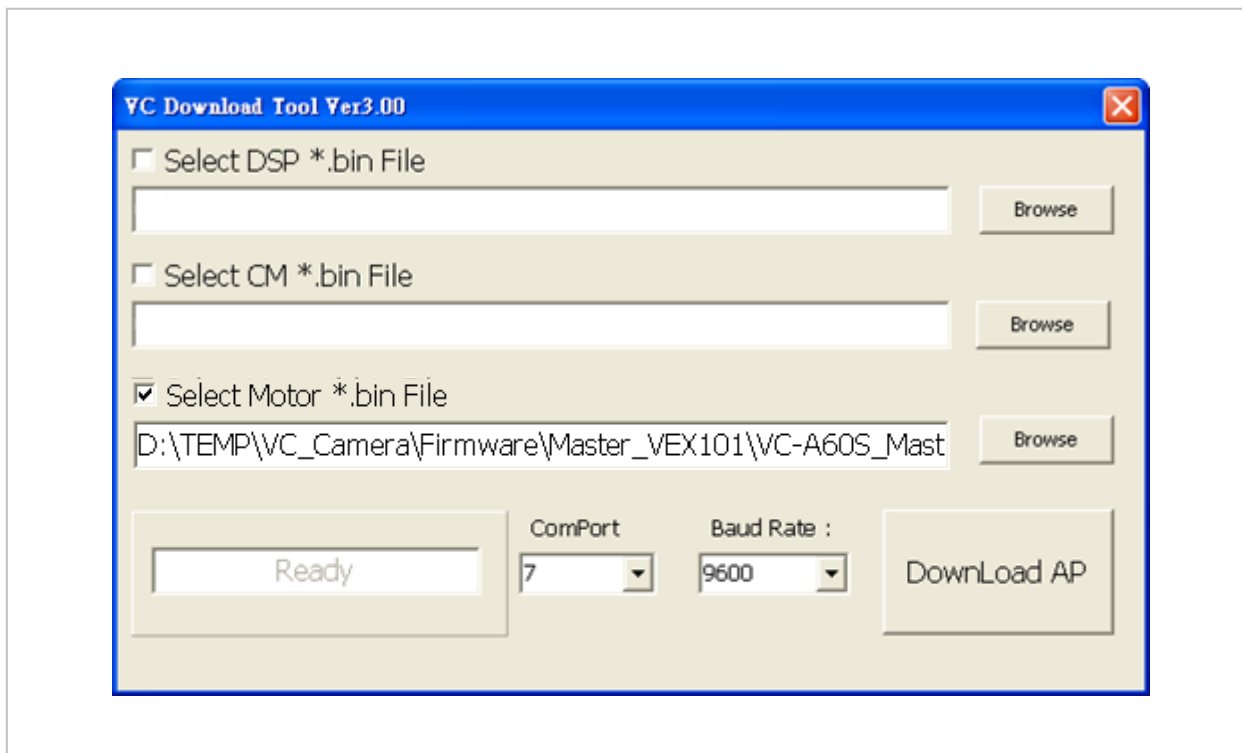
7.6 FW start updating. (around 1.5min taken)

The Percentage will be increased when it's running.



7.7 FW upgrade finished.

The button will reverse from grey to black and the camera do the self-check automatically.



7.8 When firmware upgrade finished, please unplug and reconnect the power cord to restart the camera.

7.9 Go to the menu, [System]-->[Factory Reset] to reset the camera.

7.10 Go [9 Check the FW version on OSD](#) to confirm if the FW version is correct.

8. PAN/Tilt Motor Control FW

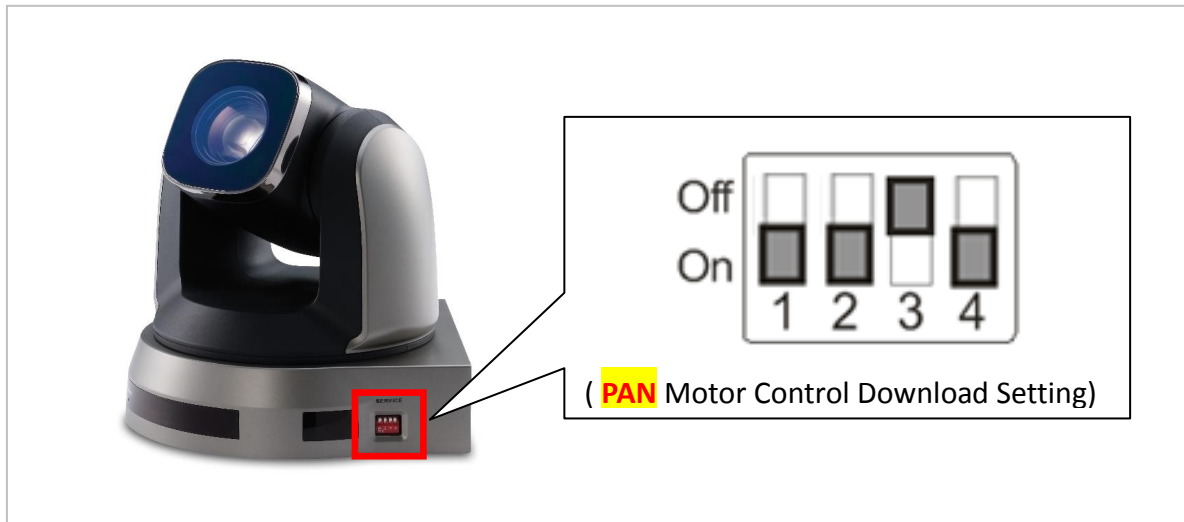
8.1 Please refer to 4.2 Connections for FW upgrade

8.2 Please return the DIP switch to the default position (all off), and then plug in the power cord.

8.3 After connecting, set the DIP Switch **1,2,4 ON** for the PAN motor.

****Note:**

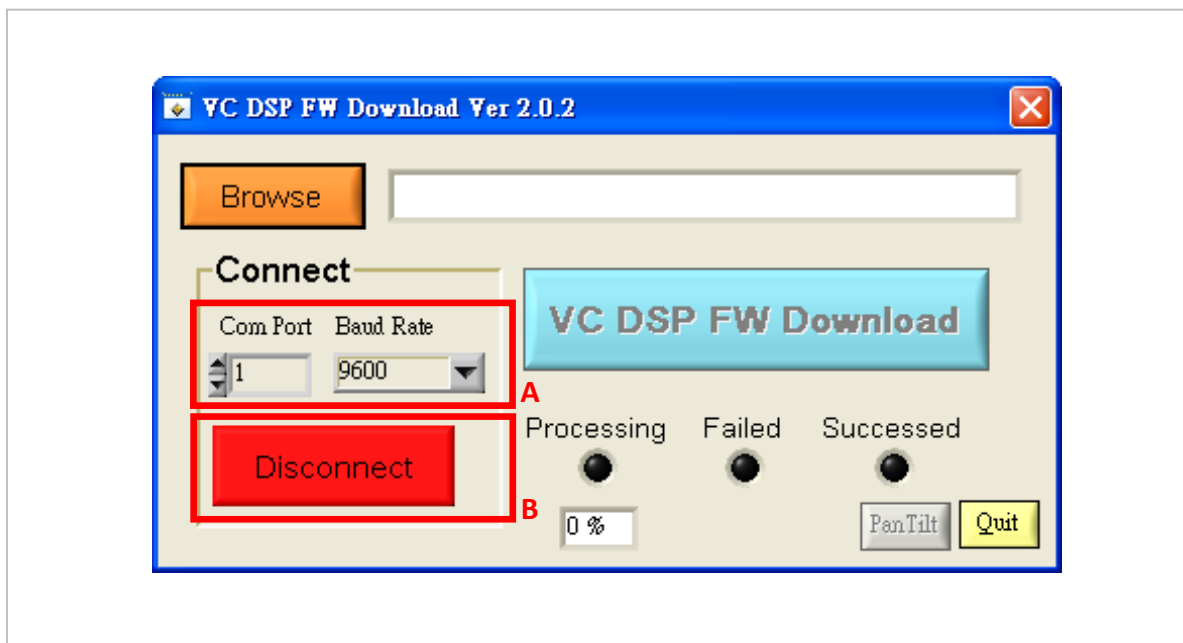
- PAN and TILT have different FW and download mode.
- Please upgrade PAN motor first. When FW upgrade for PAN finished, please change the DIP switch and then upgrade the TILT motor.



8.4 Launch the AP [VC DSP FW download]

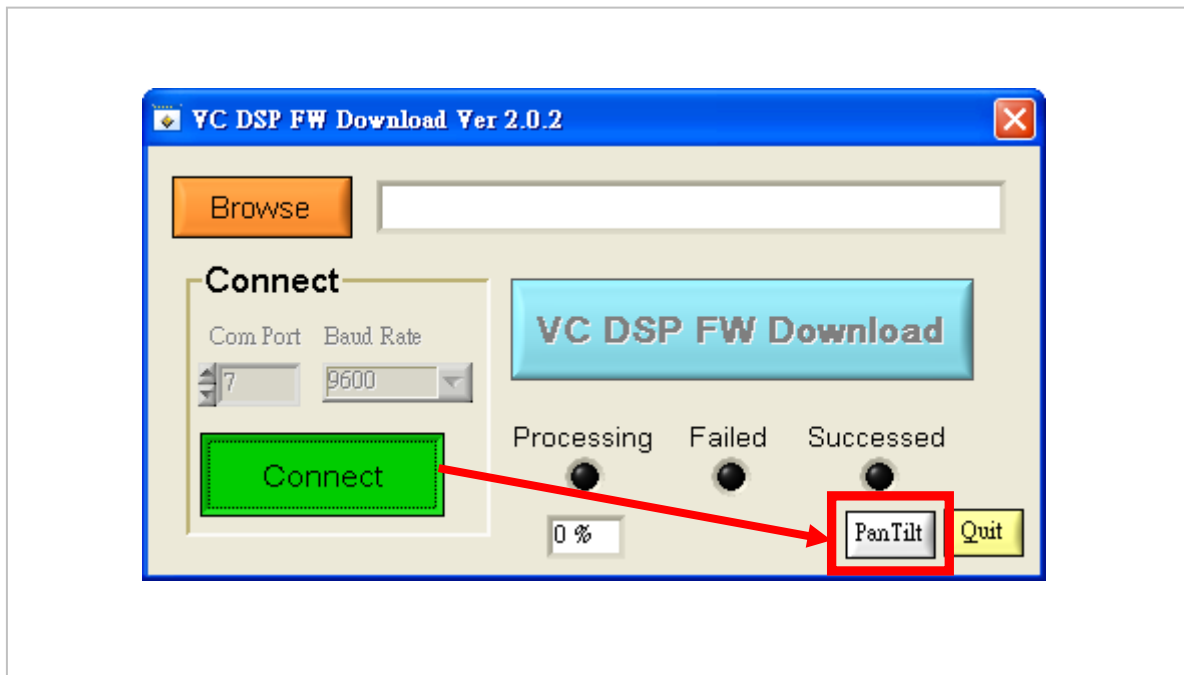
- A: Select the [Comport] and set the [Baud Rate] to [9600]
- B: Press [Disconnect] for connection.

The button will turn to green [Connect] when it is connected.



8.5 When the [Connect] button turned to green, the [Pan Tilt] button will be enabled.

8.6 Please press the [Pan Tilt] button for Pan/Tilt Motor Driver FW Update.



8.7 Browse the FW for Pan and Tilt Motor.

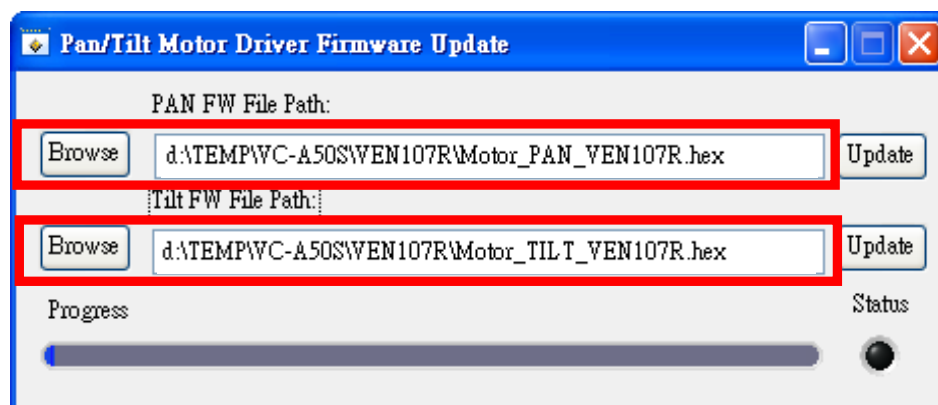
PAN and TILT have different FW which need to be upgraded separately.

- PAN: Motor_Pan_VEYXXX

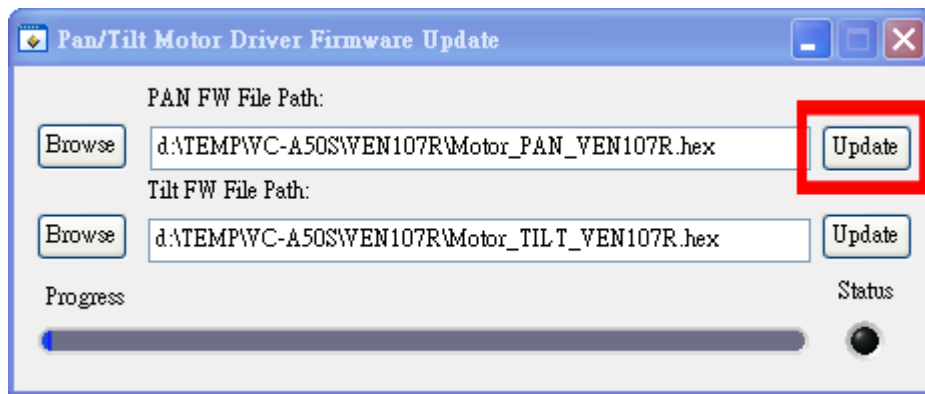
- TILT: Motor_Tilt_VEYXXX.



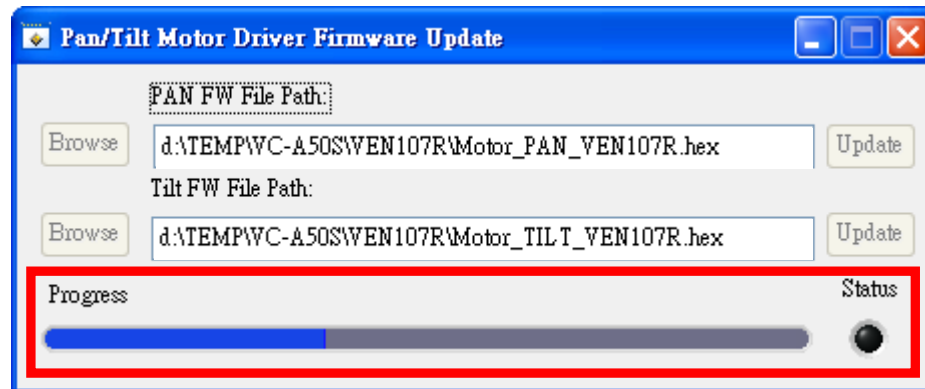
**Please be aware of the FW code when selecting FW file.
Wrong FW file will cause the unit shutdown.**



8.8 Update the FW for Pan Motor first. Please click the [Update] button.

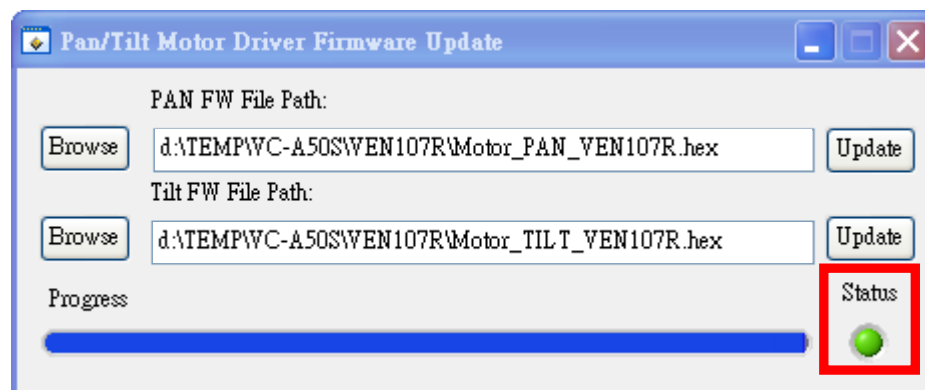


8.9 FW upgrading.(around 1mins taken)

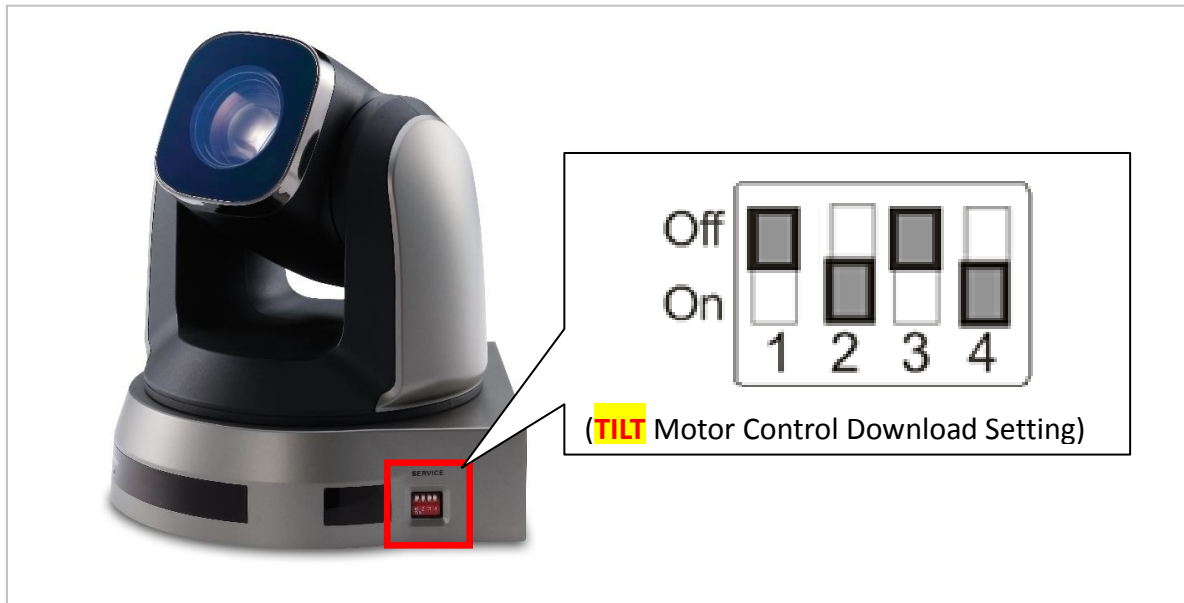


8.10 FW upgrade for Pan Motor is finished.

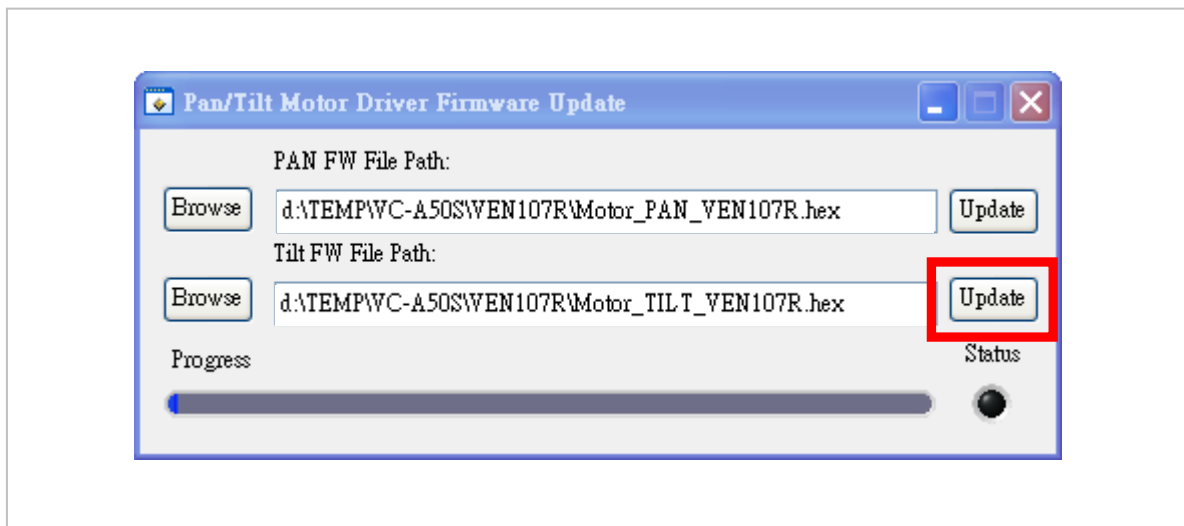
The status button: Gray(Processing)/ Red(Failed)/ Green(Success)



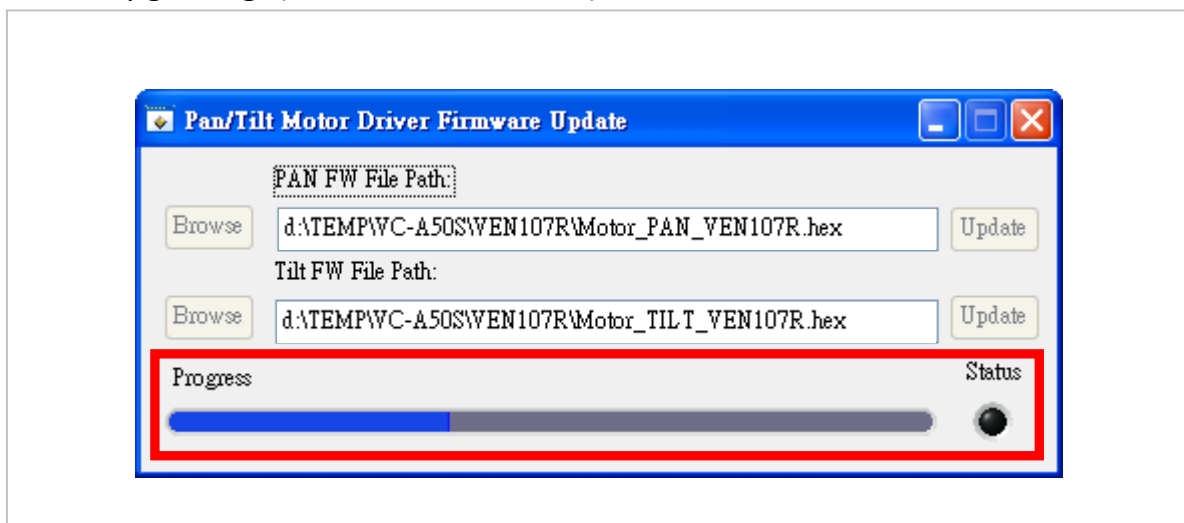
8.11 Please change the DIP Switch for TILT motor with DIP **2,4 On**



8.12 Please click the [Update] button of Tilt FW.

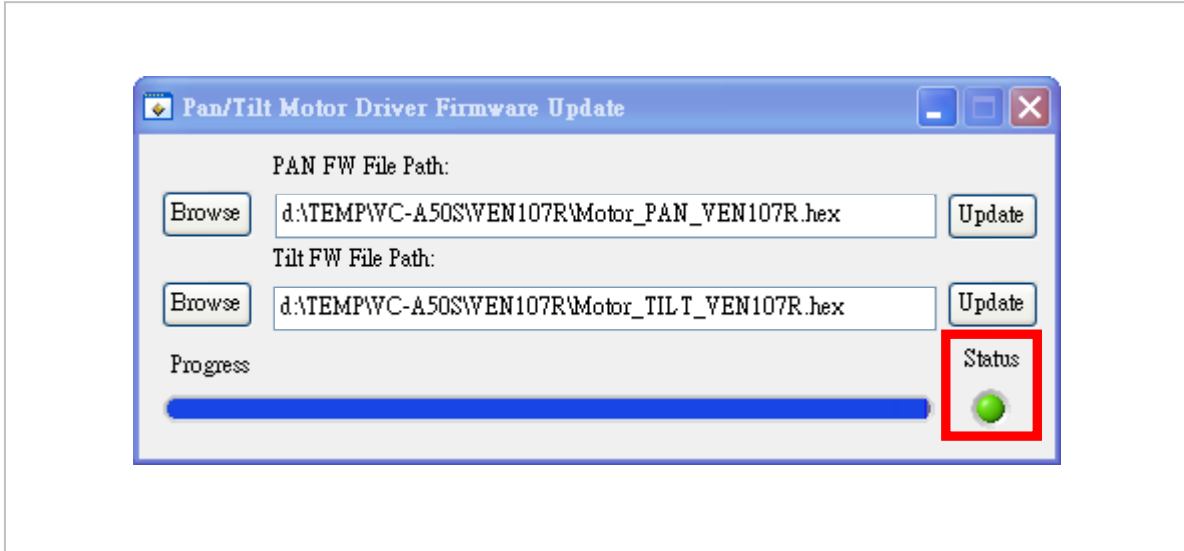


8.13 FW upgrading. (around 1mins taken)



8.14 FW upgrade for Tilt Motor is finished.

The status button: Gray(Processing)/ Red(Failed)/ Green(Success)



8.15 When FW upgrade for both PAN and TILT Motor Control are done, please unplug and reconnect the power cord to take effective.

8.16 Go to the menu, [System]-->[Factory Reset] to reset the camera.

8.17 Go [9. Check the FW version on OSD](#) to confirm if the FW version is correct.

9. Check FW version on OSD

- 9.1 Plug in the power cord and connect the VC camera with a Monitor.
- 9.2 Power on the unit and press [Menu] button on the remote control
- 9.3 Select [Status]
- 9.4 Press [▼] button to the last [System] page
- 9.5 Check if the FW version is correct

