

Updating Vector's Panel Hardware

IMPORTANT! Read these instructions carefully before attempting to update your panel hardware. If you encounter any problems or do not understand the procedure do NOT attempt to update your panel hardware. You can also call the Compulite Support team and we will guide you through this procedure. If this procedure is not followed accurately you may damage your Vector hardware.

1. Requirements

- Vector running software version 3.05 or higher
- Real time version 1.136 or higher
- 2 JTAG flat cables:
 - 1 parallel to 26-pin26-pin cable (included with Vector)
 - 1 10 pin to 10 pin flat cable (included with Vector)
- 1 jumper (included with Vector)
- FwUpdate.exe file for the Firmware update application

IMPORTANT! Be especially careful to follow the instructions for connecting the cables when updating the various components. Always check to make sure that the connections are correct!

2. Downloading the Firmware application

To download Firmware application

- 1 On your PC, go to the Compulite web site: www.compulite.com.
- 2 Download FwUpdate.exe found in Download/consoles/Vector.
- 3 Insert an empty floppy disk and run FwUpdate.exe.

Running this file extracts the required files to the floppy disk, which will now be called the Firmware Update disk.

3. Editor update

3.1 Preparing the hardware to update the editor

If there is a show active on Vector, make sure to save your work and shut down Vector.

You must connect the flat cables to Vector's panel cards. The panel cards are located on the underside of Vector's lid:

- The editor board and playback wings board are located at the front
- The DMX boards and the SMS board are located at the rear.

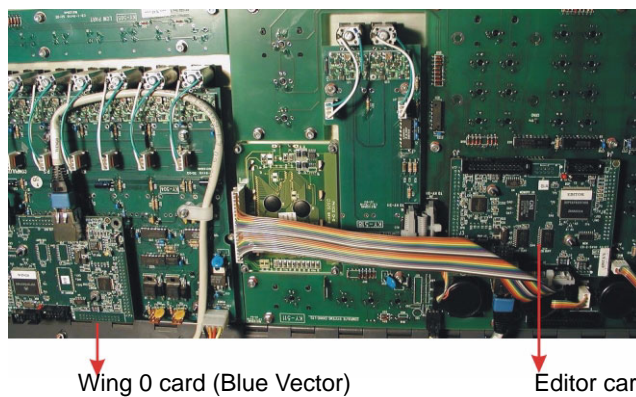


Figure 1: Vector Blue editor and wing panels

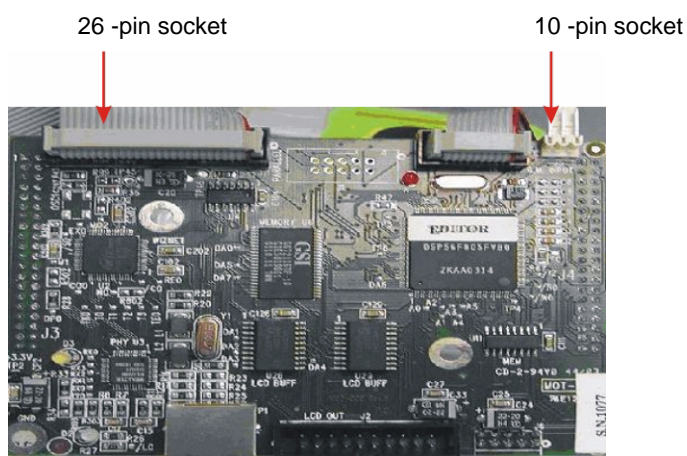
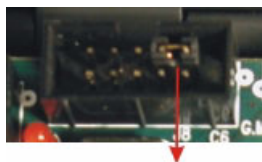


Figure 2: Editor card - 26-pin socket and 10-pin socket



Jumper on 10 - pin socket

Figure 3: Jumper location detail (editor card)

To prepare the editor card

- 1 Open Vector's panel and prop it open using the lever located on the left.
- 2 Connect the parallel to 26-pin cable to the parallel connector on the console's back panel.

Connect the 26-pin cable to the editor card's 26-pin socket ([Figure 2](#)), located on the left, so that the red stripe is on the right.

- 3** Plug jumper into pin 1 in the 10-pin (right) socket on the editor card ([Figure 3](#)). Be careful not to bend the pins

Your console may have two 10-pin sockets in this location. If there are 2 sockets put the jumper in the socket on the right side.

3.2 Updating the editor

To update the editor

- 1** Insert the Firmware Update disk into Vector's floppy disk drive.
- 2** Turn on Vector.
The Firmware update application automatically opens.
- 3** Enter the number that corresponds to your Vector model at the prompt.
- 4** Enter 1 at the prompt to update the editor. You are prompted to confirm the command. Enter Y for Yes or N for No.

You are reminded to check that the cables have been properly connected.

WARNING!! Improperly connected cables can damage your console.

- 5** Press any key to continue.
The software is burned.
- 6** When the process is completed, press any key to continue.
You are returned to the main menu.
- 7** Enter 5 at the prompt to exit the Firmware application.
You are prompted to remove the floppy disk and restart Vector.
- 8** To update other components, shut down Vector and connect the cables as described for each component.

4. Playback wings update

Vector Blue has one wing card (wing 0).

Vector Red has 2 wing cards (wing 0 and wing 1). Each wing must be updated separately. After updating wing 0, the cable connections must be changed to update wing 1.

4.1 Preparing the hardware

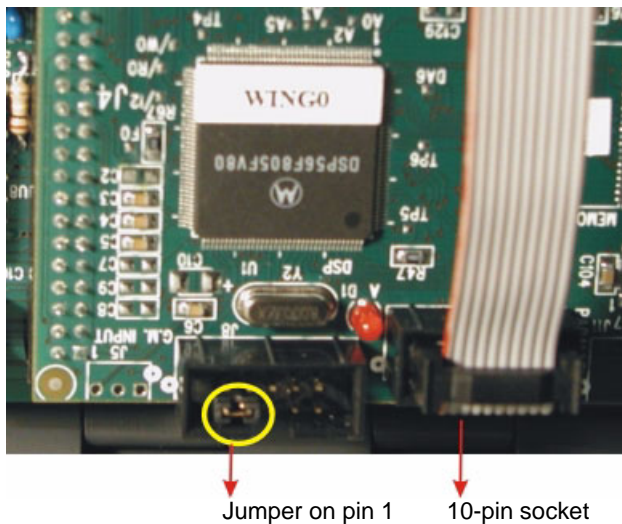


Figure 4: Wing card showing the jumper location and the 10-pin cable socket

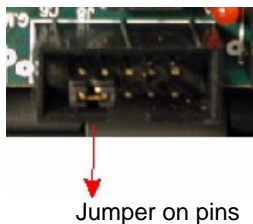


Figure 5: Jumper location detail

To prepare the playback wings

- 1 Connect the parallel to 26-pin cable to the parallel connector on the console's back panel.
- 2 Connect the 26-pin cable to the editor card's 26-pin socket, located on the left, so that the red stripe is on the right ([Figure 2](#)).
- 3 Connect the 10-pin cable to the 10-pin socket, on the editor card, located on the right ([Figure 4](#)).

Your console may have two 10-pin sockets in this location. If there are 2 sockets connect socket on the right side making sure that the red stripe is on the right.

- 4 Connect the 10-pin cable, coming from the editor card, to the right socket on the wing 0 card. Make sure the red stripe is on the left.
- 5 Plug the jumper into pin 1 in the left socket on the Wing 0 card. Be careful not to bend the pins ([Figure 4](#) and [Figure 5](#)).

- 6 For Vector Red, repeat this for Wing 1. After updating Wing 0, connect the 10-pin cable, coming from the editor card, to the right socket on the wing 1 card and plug the jumper into pin 1 in the left socket on the Wing 1 card.

4.2 Updating the playback wings

To update the playback wings

- 1 Insert the Firmware Update disk into Vector's floppy disk drive.
- 2 Turn on Vector.
The Firmware update application automatically opens.
- 3 Enter the number that corresponds to your Vector model at the prompt.
- 4 Enter 2 at the prompt to update the wing 0 or enter 3 to update wing 1. You are prompted to confirm the command. Enter Y for Yes or N for No.
You are reminded to check that the cables have been properly connected.

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- 5 Press any key to continue.
The software is burned.
- 6 When the process is completed, press any key to continue.
You are returned to the main menu.
- 7 Enter 5 at the prompt to exit the Firmware application.
You are prompted to remove the floppy disk and restart Vector.
- 8 To update other components, shut down Vector and connect the cables as described for each component.

5. DMX boards update

5.1 Preparing the hardware

Connect the cables as described in this section.

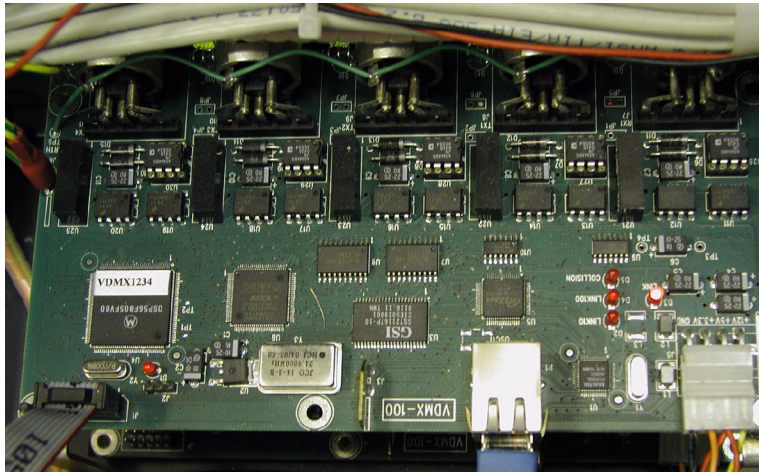
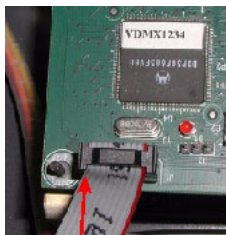


Figure 6: DMX boards



10-pin socket DMX boards

Figure 7: DMX boards 10-pin socket

To prepare the DMX boards

- 1 Connect the parallel to 26-pin cable to the parallel connector on the console's back panel.
- 2 Connect the 26-pin cable to the editor card's 26-pin socket, located on the left, so that the red stripe is on the right ([Figure 2](#)).
- 3 Connect the 10-pin cable to the 10-pin socket, on the editor card, located on the right ([Figure 4](#)).

Your console may have two 10-pin sockets in this location. If there are 2 sockets connect to the top socket making sure that the red stripe is on the right.

- 4 Connect the 10-pin cable, coming from the editor card, to the first DMX board (DMX 1 → 4) so the red stripe faces the number 1 on the 10-pin cable on the right side ([Figure 7](#)).

5.2 Updating the DMX boards

To update the DMX boards

- 1 Insert the Firmware Update disk into Vector's floppy disk drive.
- 2 Turn on Vector.

The Firmware update application automatically opens.

- 3 Enter the number that corresponds to your Vector model at the prompt.
- 4 At the prompt, enter 4 to update the DMX 1 - 4 or enter 5 to update DMX 5 - 8. You are prompted to confirm the command. Enter Y for Yes or N for No.

You are reminded to check that the cables have been properly connected.

WARNING!! Improperly connected cables can damage your console.

- 5 Press any key to continue.
The software is burned.
- 6 When the process is complete, press any key to continue.
You are returned to the main menu.
- 7 Enter 5 at the prompt to exit the Firmware application.
You are prompted to remove the floppy disk and restart Vector.
- 8 To update other components, shut down Vector and connect the cables as described for each component.

6. SMPTE / MIDI /Sound-to-Light board update

6.1 Preparing the hardware

Connect the cables as described in this section.

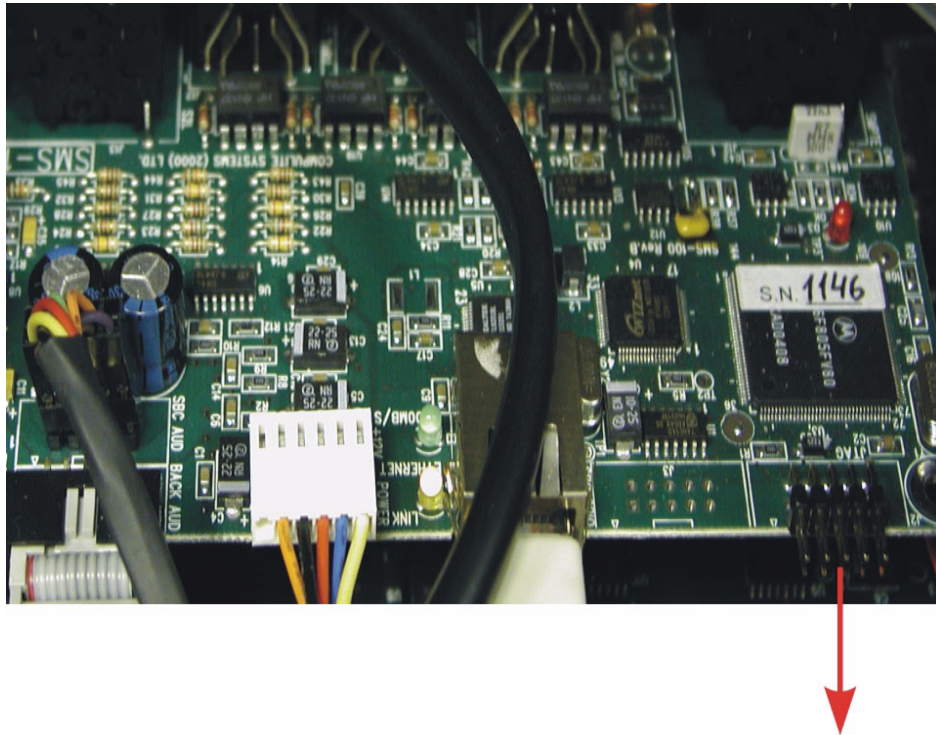
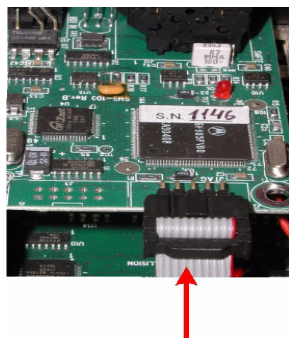


Figure 8: SMPTE/ MIDI/ Sound-to-Light board



10 - pin socket SMS board

Figure 9: SMPTE / MIDI /Sound-to-Light board, 10-pin socket

To prepare the SMS board

- 1 Connect the parallel to 26-pin cable to the parallel connector on the console's back panel.
- 2 Connect the 26-pin cable to the editor card's 26-pin socket, located on the left, so that the red stripe is on the right ([Figure 2](#)).
- 3 Connect the 10-pin cable to the 10-pin socket, on the editor card, located on the right ([Figure 4](#)).

Your console may have two 10-pin sockets in this location. If there are 2 sockets, connect to the top socket making sure that the red stripe is on the right.

- 4 Connect the 10-pin cable, coming from the editor card, to the SMS board so the red stripe is on the right ([Figure 9](#)).

6.2 Updating the SMS boards

To update the SMS boards

- 1 Insert the Firmware Update disk into Vector's floppy disk drive.
- 2 Turn on Vector.
The Firmware update application automatically opens.
- 3 Enter the number that corresponds to your Vector model at the prompt.
- 4 At the prompt, enter 6.
- 5 You are prompted to confirm the command. Enter Y for Yes or N for No.
You are reminded to check that the cables have been properly connected.

WARNING!! Improperly connected cables can damage your console.

- 6 Press any key to continue.
The software is burned.
- 7 When the process is complete, press any key to continue.
You are returned to the main menu.
- 8 Enter 5 at the prompt to exit the Firmware application.
You are prompted to remove the floppy disk and restart Vector.

Note: Sound-to-Light is not implemented yet in version 3.11