Fader Bay Touch Screen Modification

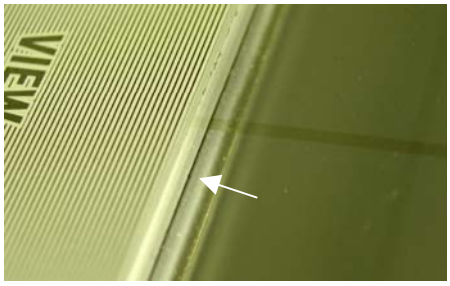
The first Vista desks were shipped with Fader Bays where the following problem could be observed : the touch area on the bottom edge of the TFT is going under the metal frame. If there is not enough space between touch surface and frame, it might happen that a touch event is created unintentionally.

The solution for this problem is to insert a spacer strip between surface and frame (see instruction below)

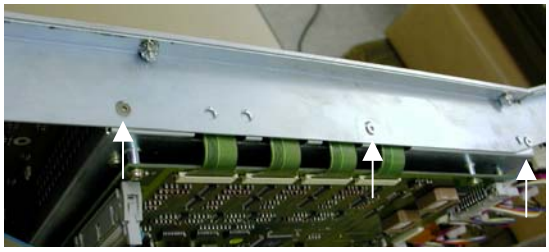
Please note :

- this modification is only required for the first systems with smaller TFT window
  306.7 x 230.4 mm initial version - modification recommended
  306.7 x 231.8 mm current version, no spacer required.
- Even after modification, regular cleaning is recommended. Small particles between frame and touch can lead to touch problems.

Installation of Spacers

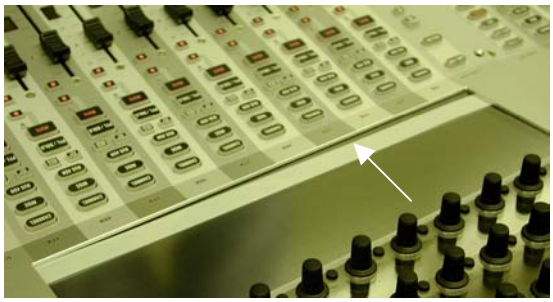


Initially there is only a narrow distance between touch surface and panel frame



Open fader bay and loosen TFT module by releasing the 3 screws on each side a few turns.

The TFT surface is now lowered and allows to insert the spacer strip ...



Carfully insert it between frame and surface

and move it to to the bottom edge, e.g. by using a card

Attach then the 2 x 3 screws to fix the module again.

Custom Key Panel auf 1.949.129.00 Center Front Board Top Vista 6

The panel on the Vista Control Bay provides 16 keys with yellow LEDs , offering transparent caps for customized labelling. A 37pin D-type connector at the Vista desk's frontside panel provides an input and output signal for each key :

- an open collector output can work in pulse or latching mode, depending on the DIP switch S140 / S141 setting.
- when assigned to latching mode, the power-up status of each group of 4 keys can be preselected with DIP Switch S139.

- depending on customer requirements the LED can be tied to the key signal, or independantly controlled by an external signal.
- For key groups 1-8 and 9-16 the supply voltage source can be selected separately, either internal or external. Due to a current source design the LED intensity does not depend on the external voltage (5 .. 24V)

The connector offers a power supply 5V / 0.5 A, the current on a single open collector output shouldn't exceed 300 mA, the max current not 2 A.

Pin Assignment D-type connector, 37p female

Function	*Pin*	*Function*	*Pin*	*Function*	*Pin*
Switch 1	20	Switch 9	28	LED Supply 1-8	36
LED 1	2	LED 9	10	LED Supply 9-16 (5..24V)	18
Switch 2	21	Switch 10	29		
LED 2	3	LED 10	11		
Switch 3	22	Switch 11	30	Signal Ground	1, 19
LED 3	4	LED 11	12	Supply 5V / 0.5A	37
Switch 4	23	Switch 12	31		
LED 4	5	LED 12	13		
Switch 5	24	Switch 13	32		
LED 5	6	LED 13	14		
Switch 6	25	Switch 14	33		
LED 6	7	LED 14	15		
Switch 7	26	Switch 15	34		
LED 7	8	LED 15	16		
Switch 8	27	Switch 16	35		
LED 8	9	LED 16	17		

DIP Switch Functions

S139.1	supply source LED 1-4	ON = internal, OFF = external
.2	supply source LED 5-8	
.3	supply source LED 9-12	
.4	supply source LED 13-16	
.5	power-on default Switch 1-4 :	ON = switch OFF, OFF = switch ON
.6	power-on default Switch 5-8	
.7	power-on default Switch 9-12	
.8	power-on default Switch 13-16	

S140.1	Switch 1 Mode	S141.1	Switch 9 Mode	ON direct, OFF = latching
.2	Switch 2 Mode	.2	Switch 10 Mode	
.3	Switch 3 Mode	.3	Switch 11 Mode	
.4	Switch 4 Mode	.4	Switch 12 Mode	
.5	Switch 5 Mode	.5	Switch 13 Mode	
.6	Switch 6 Mode	.6	Switch 14 Mode	
.7	Switch 7 Mode	.7	Switch 15 Mode	
.8	Switch 8 Mode	.8	Switch 16 Mode	

Vista7 PC Bios Settings v1.0 (15.5.2002) / RA

The following BIOS settings are essential for the EP3-PTA Mainboard in a Vista7 desk :

1. Standard CMOS Features
   - Floppy A, B [DISABLE]
   - Halt On [All, But Disk/Key]

2. Advanced BIOS Features
   - Processor Number Feature [DISABLE]
   - First Boot Device [CDROM]
   - Second Boot Device [HDD-0]
   - Third Boot Device [DISABLE]
   - Boot Other Device [DISABLE]

3. Advanced Chipset Features
   - no changes –

4. Integrated Peripherials
   - USB Keyboard Support [ENABLE]
   - AC97 Audio [DISABLE]
   - Power ON Function [BUTTON ONLY]
   - Onboard FDC Controller [DISABLE]
   - Gameport Address [DISABLE]
   - Midi Port Address [DISABLE]

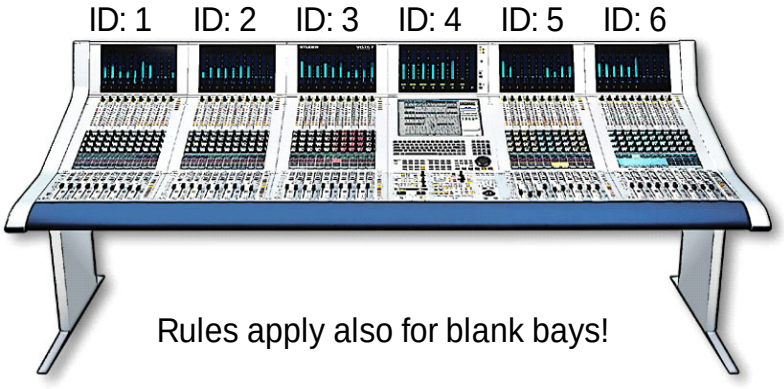
5. Power Management
   - Modem use IRQ [NA]
   - Power on by Ring/Alarm [DISABLE]

All other settings should remain on the standard default values.

Vista Bay Configuration

Each bay has a unique bay ID which is set with a wheel on the controller board. This board is accessible by opening a bay (putting it on the internal stand, watch that you don't open it too much and damage the top row of rotaries). It is possible to change this ID with a small screw driver. The following rules strictly apply:

- Each bay must have a unique ID, starting with 1 at the very left, and are incremented by 1 from left to right, regardless of the type of bay (control bay or fader bay)
- Keep a number free for each space with an empty bay. (This is to make it easy for future upgrade with an additional bay.)



Display Properties

Check the Display Properties (e.g. by right-clicking the desktop) and verify that
- there is an active monitor symbol for every installed bay and reserved blank bay.
- the symbol of the control by monitor is at the left lower position
- the color resolution of the control bay monitor is set to 32 bit, the resolution of all fader by monitors remains at 16bit.
- that the order of the monitors is correct (Monitor ID is not necessarily identical with Bay ID - it depends on cabling between graphic card and monitors).

You can check the correct layout by pressing the "Identify" button - the identification numbers on the TFTs should correspond with the ID numbering in the Properties field.