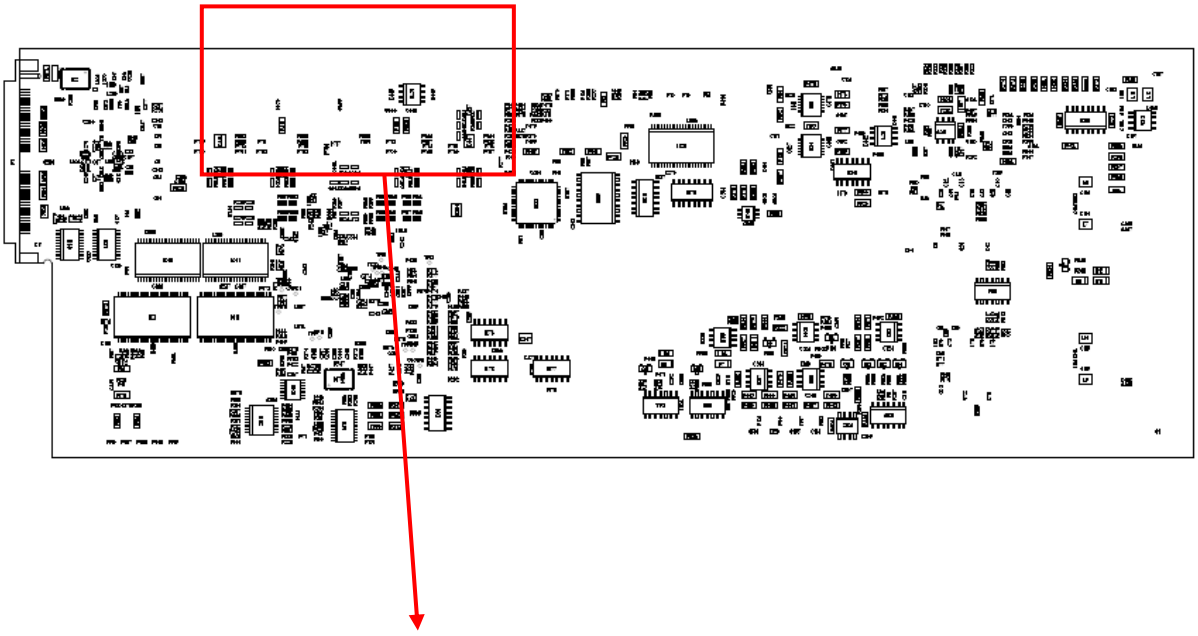
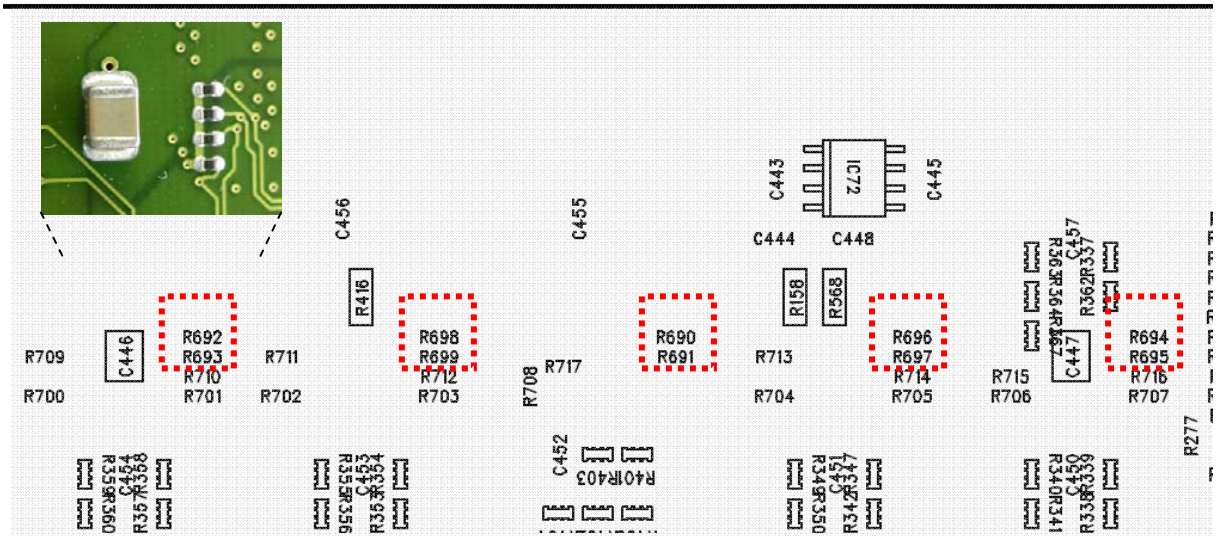
SCore Live Bridge Card 1.943.370.xx

Thefollowing modification describes an optimisation of the Bridge Card memory clock, which will improve reliability of operation. It is recommended whenever there are random stability problems of the bridge card.

Modification : 10 SMD resistor need to be exchanged :
R690, 691, 692, 693, 694, 695, 696, 697, 698, 699:
old value 27 ohms, new value 56 ohms (Studer order no 57.61.1560)

The modification can be applied to all cards 1.943.370.23 or 1.943.370.31, the modified cards are labelled with an "A" index. Studer ships modified cards 1.943.370.31A since end of January 2008.





Custom Panel GPIO

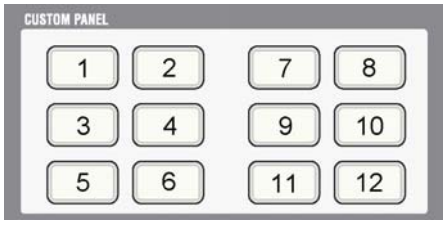
The 12 custom panel keys on the Vista5 desk may be assigned as GPO ports. The GPI ports are mainly used for key LED assignment. They offering transparent caps for customized labelling.
The 37 pin D-Type Custom Panel connector at the rear of the desk offers provides an input and an output signal for each key:

- An open collector output can work in pulse or latching mode, depending on the DIP switches S184 and S185 setting.
- When assigned to latching mode, the power-up status of certain groups can be preselected with DIL Switch S184
- Depending on the customer requirements the LED can be tied to the key signal, or independently controlled by an external signal.
- For key group 1-6 and 7-12 the supply voltage source can be selected separately, either internal or external. Due to a current source design the LED intensity does depend on the external voltage (5–24V)

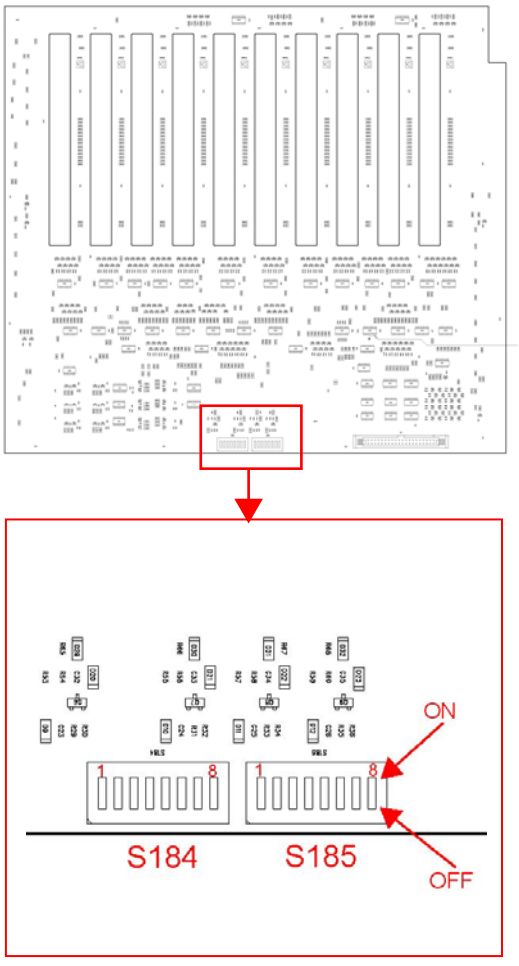
The connector offers a power supply 5V / 0.5A, the current on a single open collector output should not exceed 300 mA, the max. current not 2 A.

Two 8- DIL Switch array's allow to apply certain assign rules to the custom panel keys, such as programming the keys as momentary or toggle keys, activate keys at power on and using the internal power supply for key illumination (LED). The 2 DIL switches array's (S184 and S185) are accessible on the Fader Front Control board 1.949.832.00 after opening the Control Bay. They are just hidden by the 40 pin flat ribbon cable which links the Fader Driver PCB 1.949.840.00 with the Control Board 1.949.820.21.

Costum Panel keys



Fader Front Control PCB 1.949.832.00



DIL Switches

(on Fader Front Control board 1.949.832.00 behind 40 pin flat cable)

S184

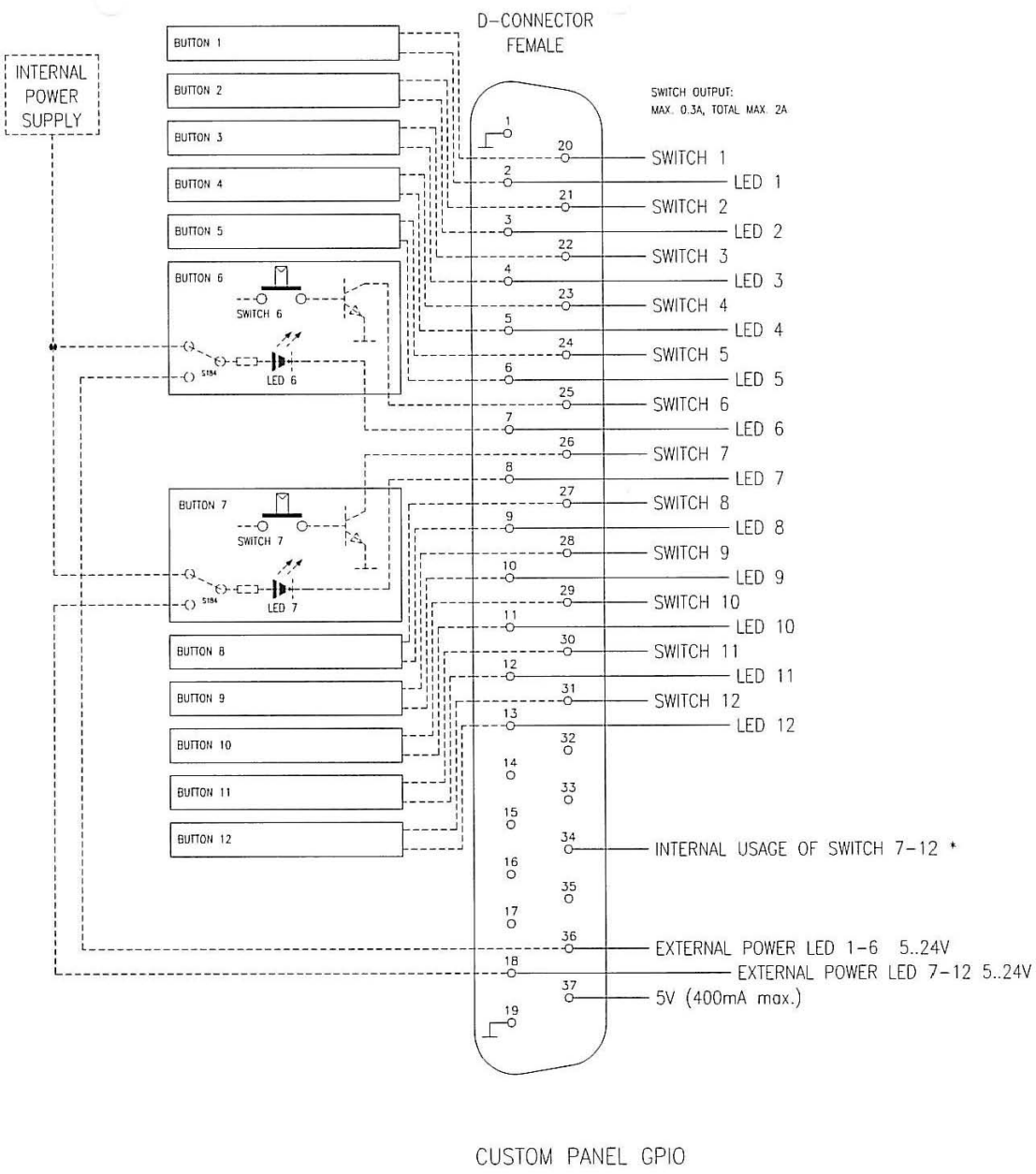
External Power linked to LED 1-6	OFF 1 2 3 4 5 6 7 8	Internal Power linked to LED 1-6
External Power linked to LED 7-10		Internal Power linked to LED 7-10
Key 5 and 6 toggle mode		Key 5 and 6 momentary mode
Key 11 and 12 toggle mode		Key 11 and 12 momentary mode
Key 1-4 active at power up		Key 1-4 not active at power up
Key 7-10 active at power up		Key 7-10 not active at power up
Key 5 and 6 active at power up		Key 5 and 6 not active at power up
Key 11 and 12 active at power up		Key 11 and 12 not active at power up

S185

Key 1 toggle mode	OFF 1 2 3 4 5 6 7 8	Key 1 momentary mode
Key 2 toggle mode		Key 2 momentary mode
Key 3 toggle mode		Key 3 momentary mode
Key 4 toggle mode		Key 4 momentary mode
Key 7 toggle mode		Key 7 momentary mode
Key 8 toggle mode		Key 8 momentary mode
Key 9 toggle mode		Key 9 momentary mode
Key 10 toggle mode		Key 10 momentary mode

Custom Panel GPIO Connector

(at rear of desk)



CUSTOM PANEL GPIO

Switch output: max. 0.3A / For all switches: total max. 2A

* Linking pin 34 to ground is designed for future use. This feature applies the keys 7 to 12 to the Software for future applications.

Retrofit Joystick

To add a joystick to Vista5 or Vista5 SR the following items will be necessary:

Required items:

1 x A949.001053 Joystick
1 x C058.301002 Joystick handle

Required Tools:

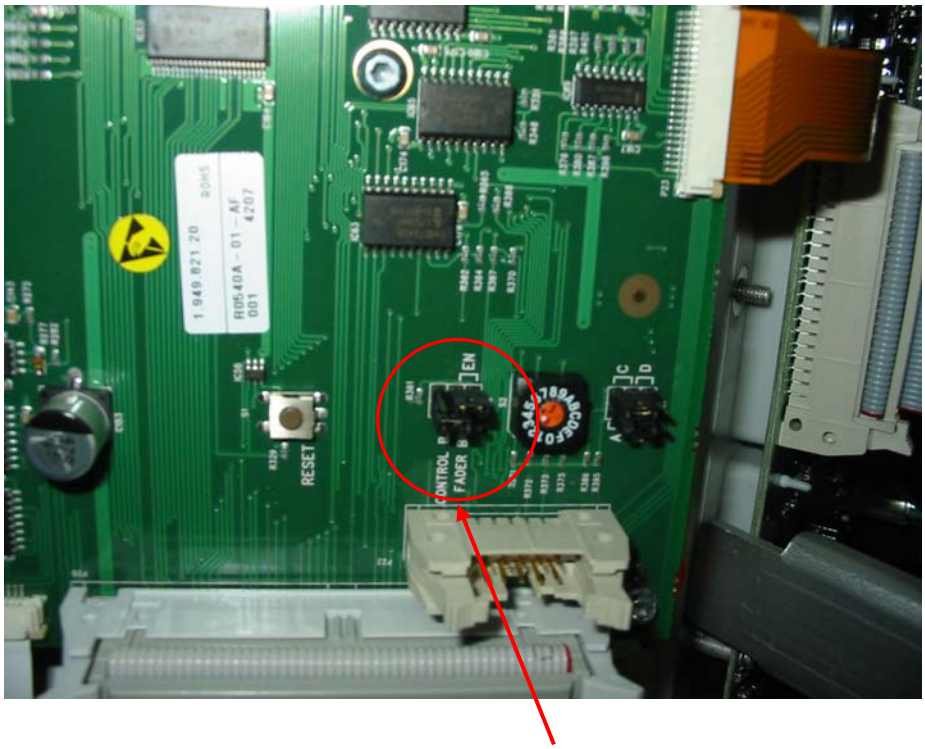
- Allen key 2.5mm
- Allen key 3 mm

Installation Instructions:

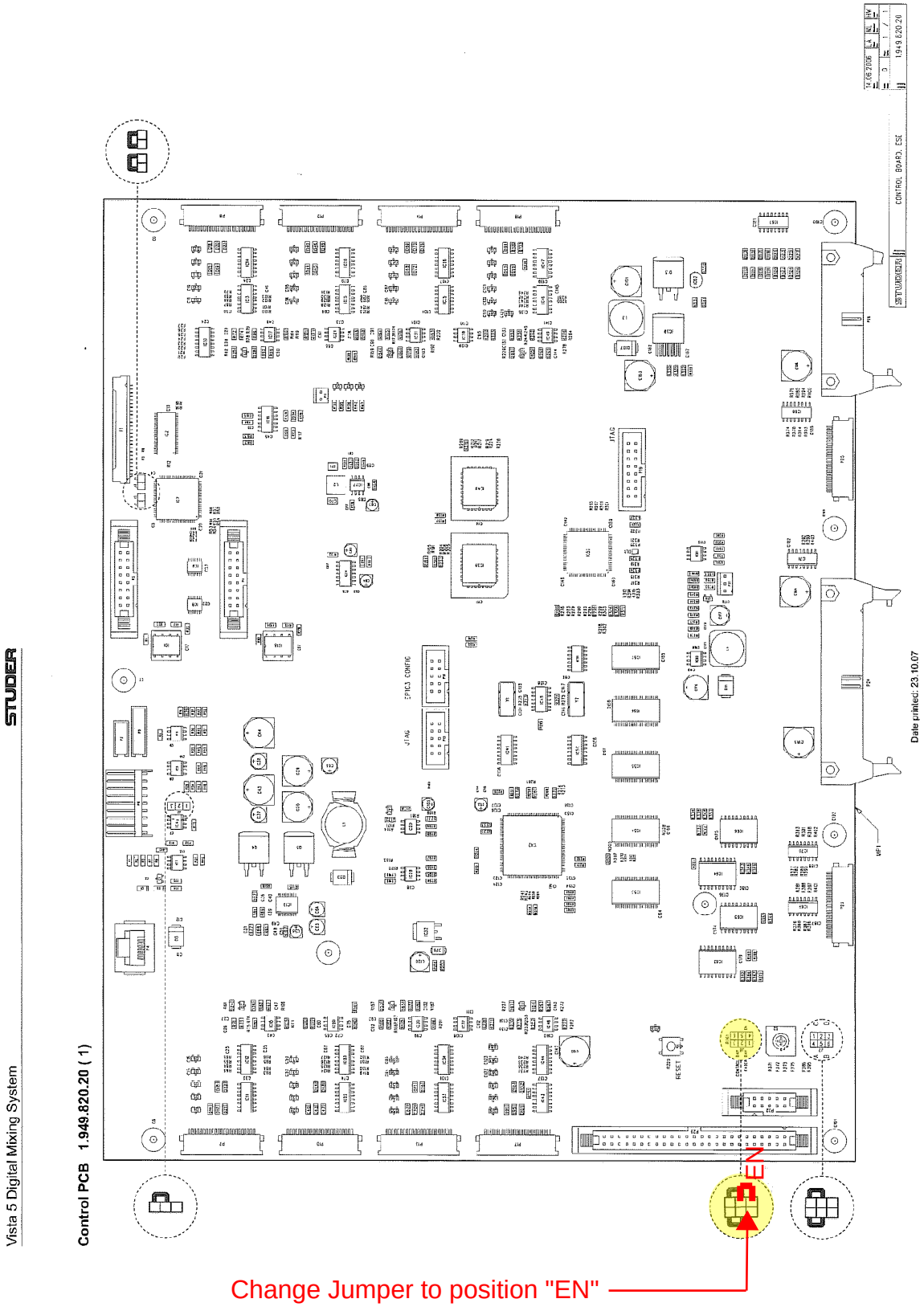
- Remove blind cover for Joystick
- Install the Joystick (2 Allen screw 2.5mm)
- Open Control bay and connect Joystick to the loose wire harness
- Set Jumper J6 on the Control Board 1.949.820.20, or 1.949.820.21, respectively according to new part number system: A949.082020 or A949.082021, see picture below or the layout on the next page.

Please note:
For Vista5 SR version the Control Board has got the following part number:
1.949.821.20 or 1.949.821.21, respectively: A949.082120 or A949.082121

Picture of Control Board



Change Jumper J6 to Position “EN”


STUDER
Vista 5 Digital Mixing System
Control PCB 1.949.820.20 (1)
Date printed: 23.10.07
EN
Change Jumper to position "EN"

Bootable USB Stick / Bootable Hard Disk → for BIOS 1.0 and 1.3

Please note: Vista5 with serial numbers up to 1087 run on BIOS 1.0
Vista5 with serial numbers 1088 and up run on BIOS 1.3

The Vista5 contains a feature to build a bootable USB memory stick or a bootable hard disc (HD)

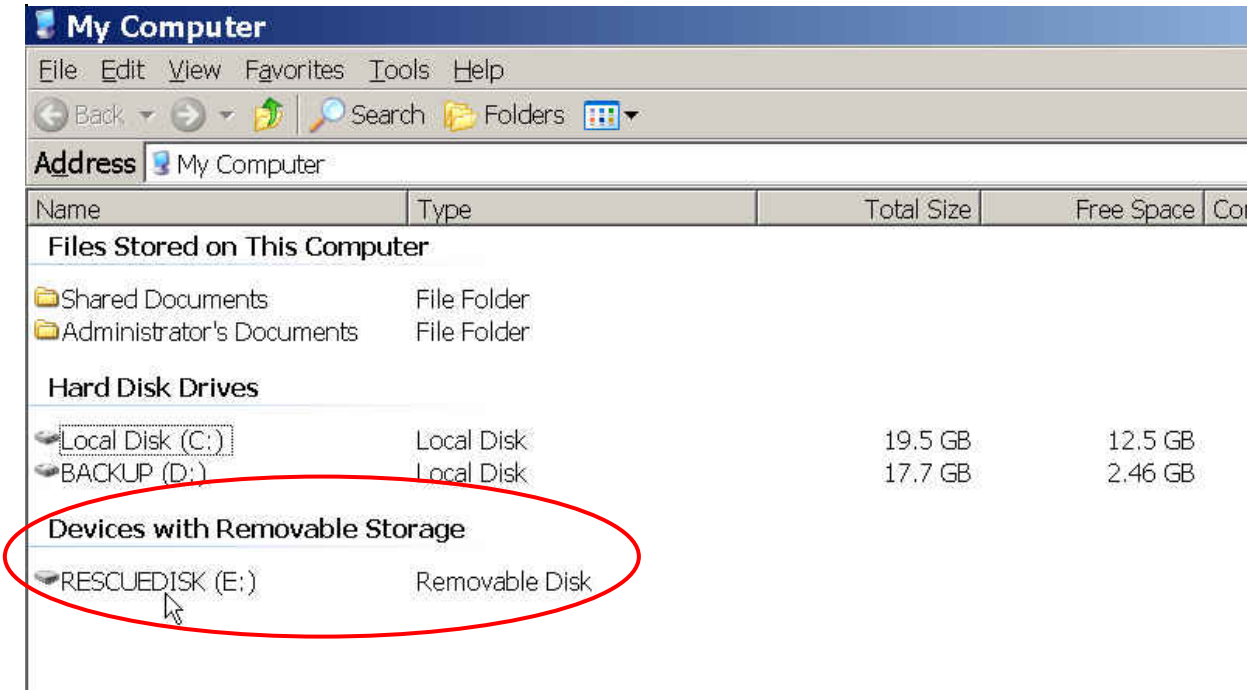
We recommend strongly making you such a bootable stick. A 256 MB USB memory stick is more then sufficient.

A bootable memory stick is very helpful in case of a PC failure in the Vista desk. Should the Vista PC no longer boot itself due to failure, the PC may be booted with such a booting USB memory stick.

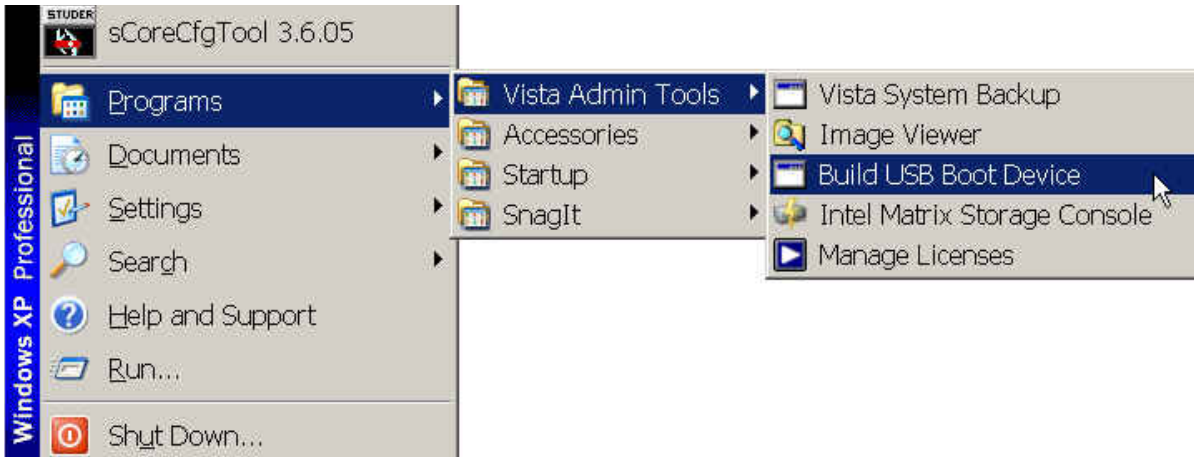
Please note:
Nowadays are a lot of different brands of USB memory sticks on the market. We made the experience that not all brand of memory sticks may suit the Vista5 desk. Therefore we recommend checking first whether the available USB memory stick works together with the Vista5 desk!

The Vista5 offers two USB slots.
Plug a USB memory stick either into the front desk USB slot or into the rear one.
Click on the icon My Computer on the desk top
Check if the USB stick is present in the library (mainly on drive E:\ → see below)

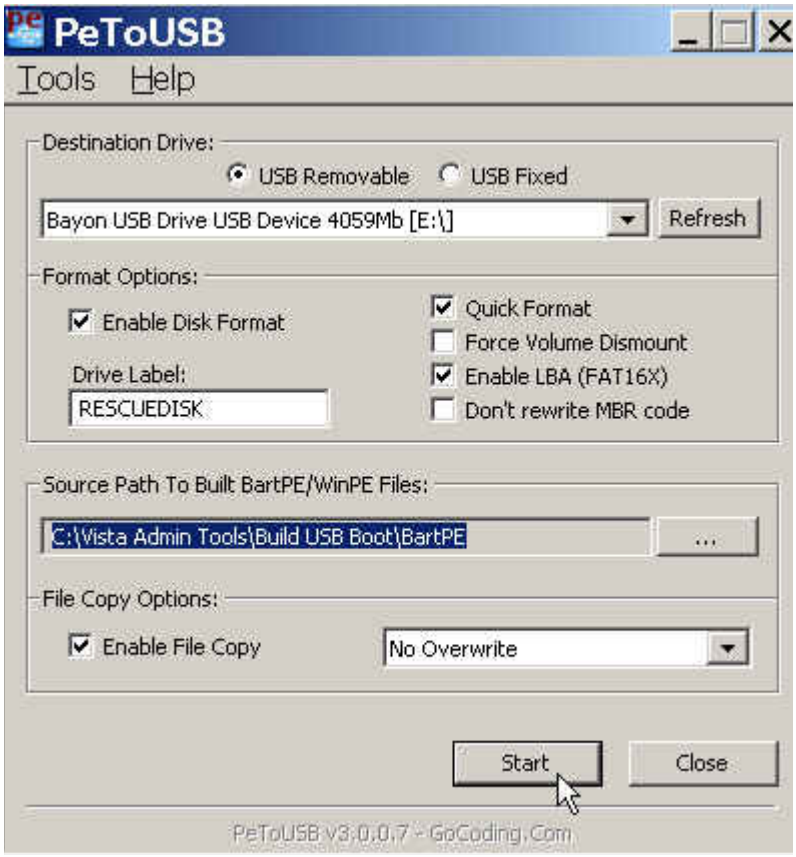
Please note:
The USB stick used for this example was recognized as Removable Disk in the drive E:\ (see below the marked area in the folder: My Computer)



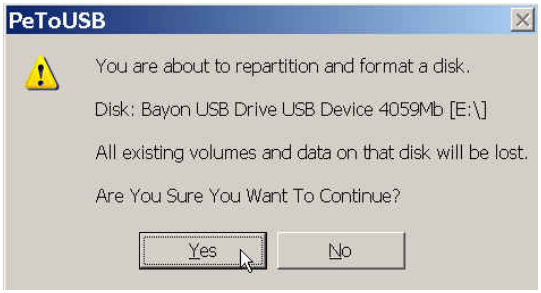
Procedure to build a bootable USB stick:
Insert an empty USB stick into the USB connector on the front or at the rear of the desk
Press on the icon “START” in the Notification area at the bottom and enable the program: Built USB Boot Device, as shown below:



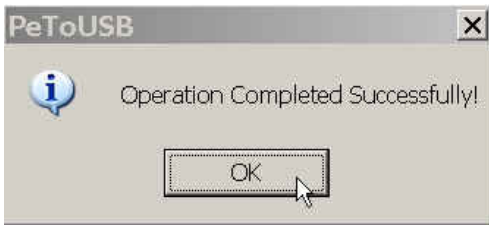
Make sure the Destination Drive is correct, otherwise select the correct one and press Start



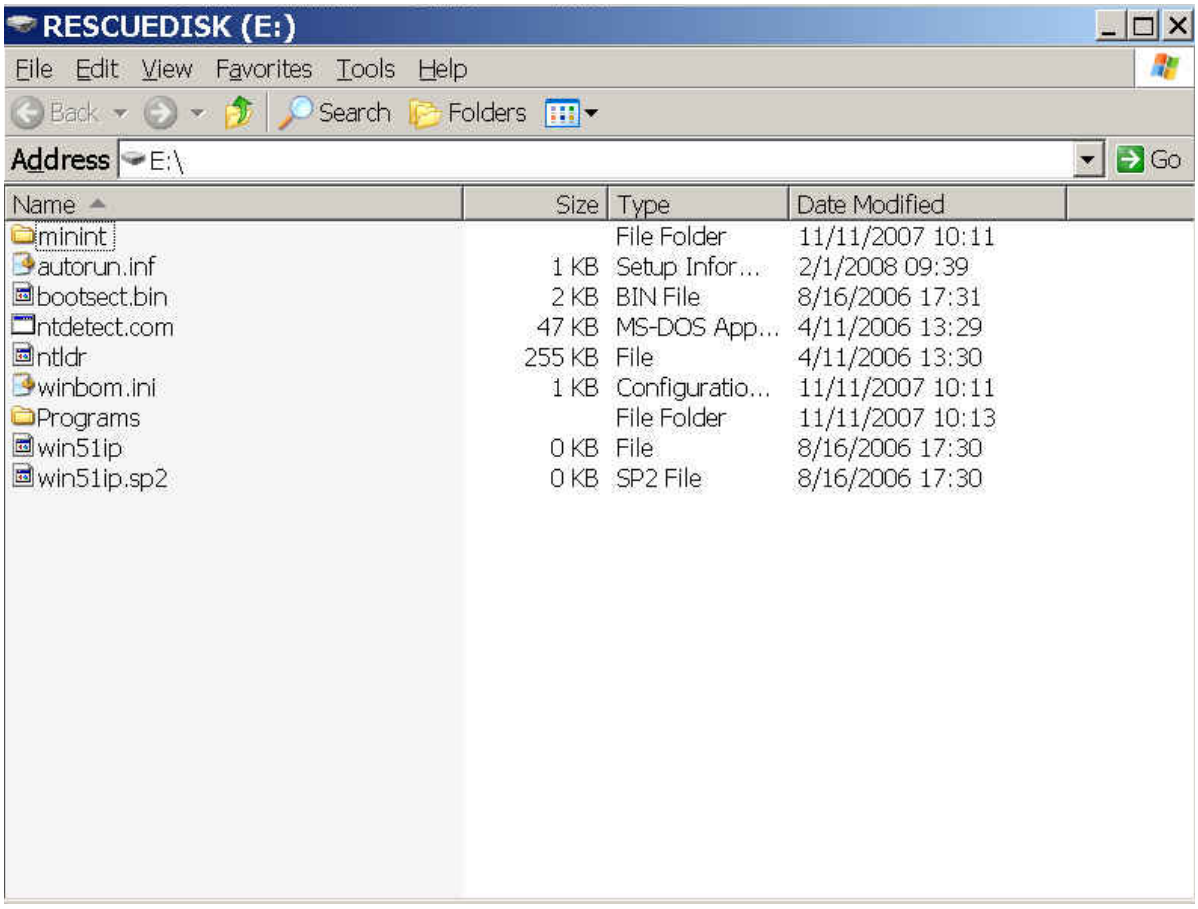
Say yes and confirm that you aware of erasing all the existing files and entries on your memory device



Wait for the download and quit the success message



Now you should find the following files on your memory device:



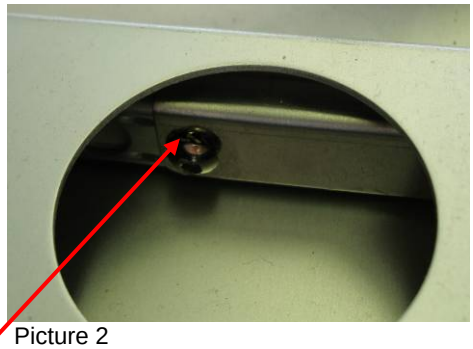
Exchange of keyboard for Vista5

Required tools:
- Allenkey 2mm
- Allenkey 2,5mm
- 5.5 mm wrench or socket wrench key
- Side cutter
- Pair of bend tweezers or players

Required material:
- A view small cable ties

- Remove the 7 Allen screws (2.5 mm) on the control bay, tilt it up and secure the bay with the bracket
- Pull the keyboard fully out and remove the 4 screws (2, 5 mm) of the sliding keyboard shelf, see picture 1 and 2.

Picture 1

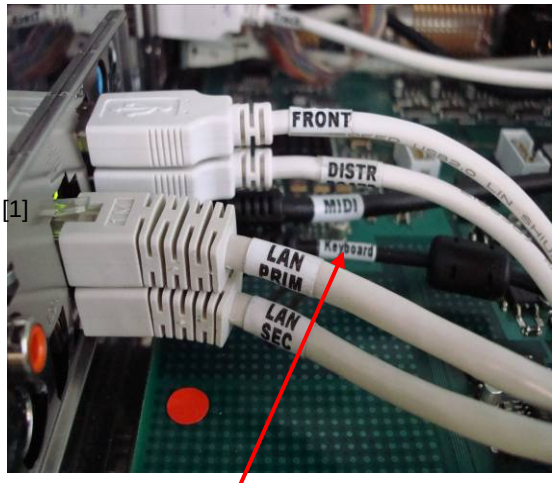


Picture 2

Remove screws

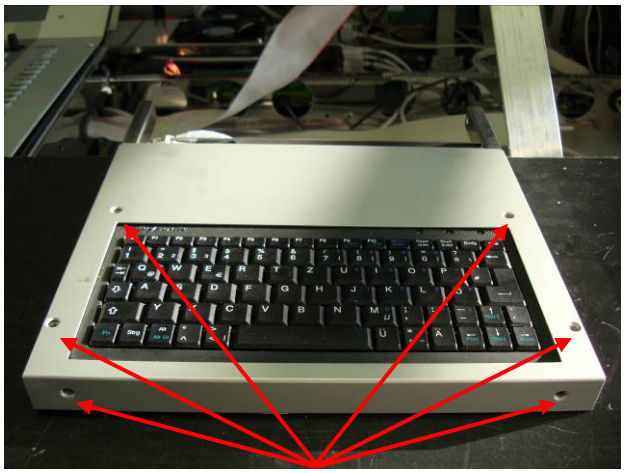
- Cut off the 2 cable ties. One on the stationary keyboard drawer cover plate inside of the desk and the other one at the rear of the keyboard, see picture 6, 7 and 8.
- Unscrew the cable clamp just next to the keyboard (2 mm Allen key and 5.5 mm wrench, see picture 6)
- Unplug the keyboard from the motherboard (bottom USB connector) and loosen the cable
- Pull the keyboard carefully fully out
- Turn the keyboard assembly upside down and unscrew the 2 Allen countersunk screws (2mm) on the bottom
- Unscrew the 6 countersunk Allen screws [1] (2 mm) of the keyboard cover plate, see picture 4.

[1]



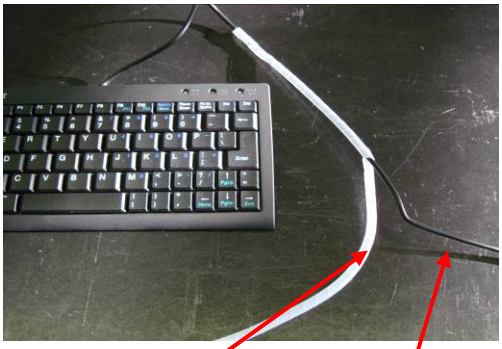
Picture 3

USB connection cable for the keyboard



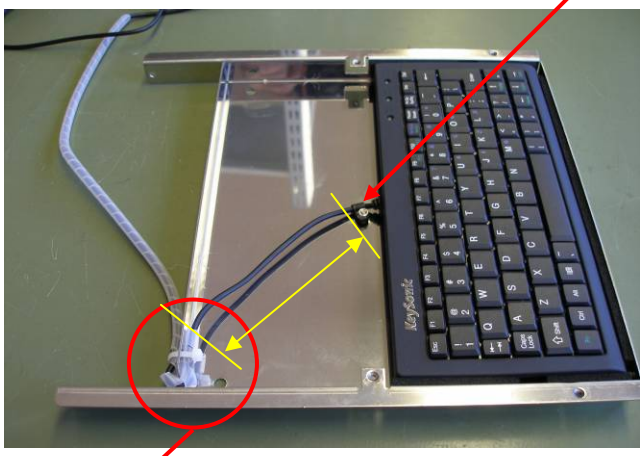
Picture 4 **[1]**

- Remove the cable protection from the disassembled keyboard and put it around the new keyboard connection cable. Start putting the cable protection about 13 mm from the keyboard, see yellow arrow in picture 6 below
- Carefully remove the 4- self-adhesive foam rubber spacers from the bottom of the replaced keyboard and put it at the same place onto the new keyboard's rear side (thinner foam rubber strips at the rear and the thicker ones at the front of the keyboard).
- Insert the keyboard into the frame, fasten the cable clamp with the countersunk screw from the rear and the 5.5 mm nut from top and fasten the cable with a cable tie to the aluminium tray as shown in picture 6 and 7.



Picture 5

Put the cable protection around the cable



Picture 6

Picture 7

Picture 8

- Install the keyboard cover plate (8 countersunk screws, 2 mm Allenkey, 2 at the bottom, 6 as shown in picture 4)
- Slide the connection cable through the drawer cover inside of the desk and pull it out on the opening at the left hand side.
- Screw the assembly onto the pull-out rail (4 screws, 2.5 mm Allenkey, see picture 1 and 2)
- Put a cable tie around the cable at the opening on the drawer cover. This is rather tricky. Shape the cable clamp to "U" shape and insert it on the lower hole, see picture 8. With the aids of a pair of bended tweezers or a bended pair of pliers it shall work out. Before tighten the cable tie, make sure the cable is seated in the loop of the cable retainer.
- Plug the keyboard connecting cable into the bottom USB slot, see picture 3.