

### Vista5 Spare part list for desk:

[01]	1.949.250.20	Side Panel, left
[02]	1.949.250.21	Side Panel, right
[03]	1.949.260.01	Front Cover, Fader Bay
[04]	1.949.270.01	Front Cover, Control Bay
[05]	1.947.044.01	Fader, Alps, wired
[06]	1.911.000.50	Fader Knob, blk, P+G, conducting
[07]	42.01.0510-V	Knob, blk, D10 (10 pcs)
[08]	42.01.0603-V	Cover Cap for Knob D10 (50 pcs)
[09]	1.949.070.35-V	KOG Knob, compl.
[10]	1.949.070.03	Cover Cap for KOG Knob
[11]	1.949.275.81-V	VST (Vistronics unit), compl.
[12]	1.949.838.00-V	Mode Selector
[13]	1.949.830.00-V	Fader Front PCB
[14]	1.949.831.00-V	Fader Front, extended, PCB
[15]	1.949.250.32	Armrest, black
[16]	1.949.830.01	Rubber Mat, Fader Front (set)
[17]	1.949.831.01	Rubber Mat, Fader Front, extended (set)
[18]	21.51.2353	Screw, counter sunk, M3x5
[19]	1.949.020.02-V	Display Cover (7- Segment)
[20]	42.01.0354	Knob, blk, D13/6, conducting
[21]	42.01.0357	Cover Cap for Knob D13
[22]	42.01.0408	Knob, blk, D15
[23]	42.01.0459	Cover Cap for Knob D15
[24]	55.12.1304	Encoder (CR Volume)
[25]	89.20.1144	Trackball, optical
[26]	1.949.030.30-V	Push Button Cover
[27]	1.949.010.53	Joystick, motorized, <b>(optional)</b>
[28]	58.30.1002	Handle for Joystick
[29]	1.949.832.01	Rubber Mat, Fader Front
[30]	1.949.834.01	Rubber Mat, Control Bay
[31]	1.949.836.01	Rubber Mat, Monitoring Section
[32]	89.20.0214	Keyboard, (US Version)
[33]	1.949.832.00-V	Fader Front Control PCB
[34]	1.949.834.81-V	Master Front PCB

### The Fader Bay 1.949.260.81 contains of:

[11]	1.949.275.81-V	VST (Vistronics unit), compl.
[ - -]	1.949.820.21-V	Control Board
[13]	1.949.830.00-V	Fader Front PCB
[14]	1.949.831.00-V	Fader Front extended PCB
[12]	1.949.838.00-V	Mode Selector
[ - -]	1.949.840.00-V	Fader Driver PCB

### The Control Bay 1.949.270.81 contains of:

[11]	1.949.275.81-V	VST (Vistronics unit), compl.
[ - -]	1.949.820.21-V	Control Board
[33]	1.949.832.00-V	Fader Front Control PCB
[34]	1.949.834.81-V	Fader Front extended PCB
[ - -]	1.949.836.00-V	Studio Monitor Front PCB
[ - -]	1.949.840.00-V	Fader Driver PCB

**Underneath the Fader Bay are the following items installed:**

89.20.2015	Power supply PFC 90 – 264VAC, 24VDC, 200W
1.949.810.82-V	Distribution PCB
89.01.4005	Mains filter with switch, 6A
54.42.0200	Mains chassis plug, 6A
89.20.1128	Hard Disk SATA, 2.5", 40GB
89.20.1168	MIDI IF
54.20.1006	LAN (RJ45) chassis plug
1.949.084.00	DVI Adaptor

**Underneath the Control Bay are the following items installed:**

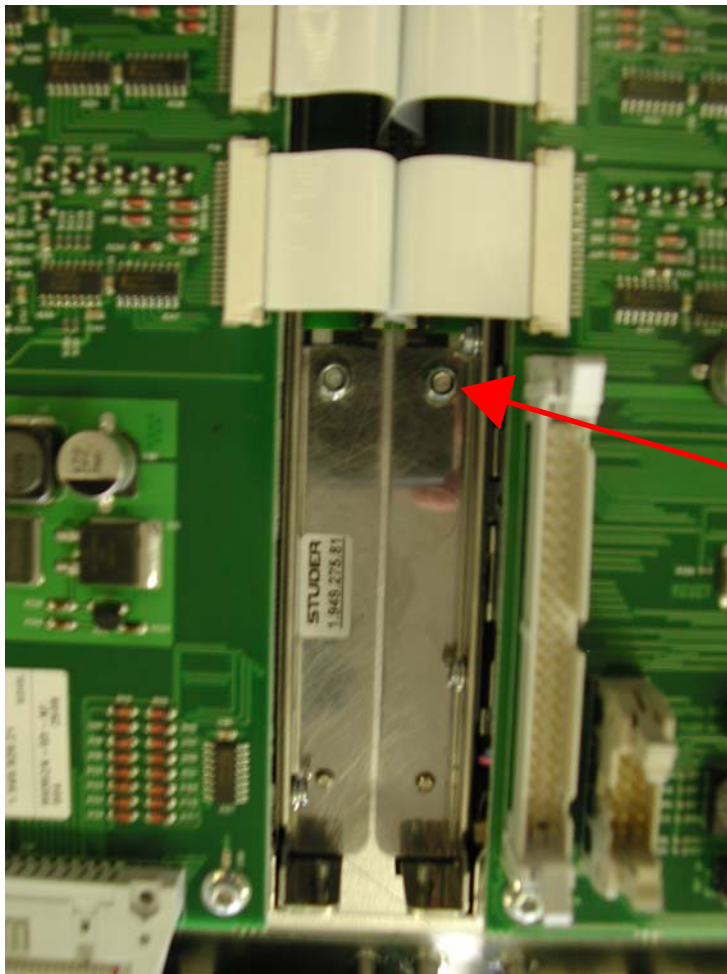
1.949.995.60	PC Motherboard MCI complete and tested
1.949.010.54	Graphic Card Matrox
1.947.110.00	
89.20.1172	Serial port (only necessarily when Distribution PCB 1.949.810.00 is installed)
89.20.0214	Keyboard
72.01.0116	Fan, DC axial, 120 x 120mm, 14V
1.949.819.81	Illumination PCB for keyboard
1.949.815.20-V	Monitoring Audio PCB
1.949.816.00	Monitoring Connector PCB

## Remove of VST unit 1.949.275.81 out of the Vista5 desk

To remove the whole VST unit, remove the 4 2mm Allen screw from the top:



- Open the corresponding bay and remove all the connecting wires:
- Use a 7mm hexagon socket wrange to loosen the two nuts from the bottom of the bay, see below



Use a 7mm socket wrange to loosen this nut on each side of Vistronics unit

## 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

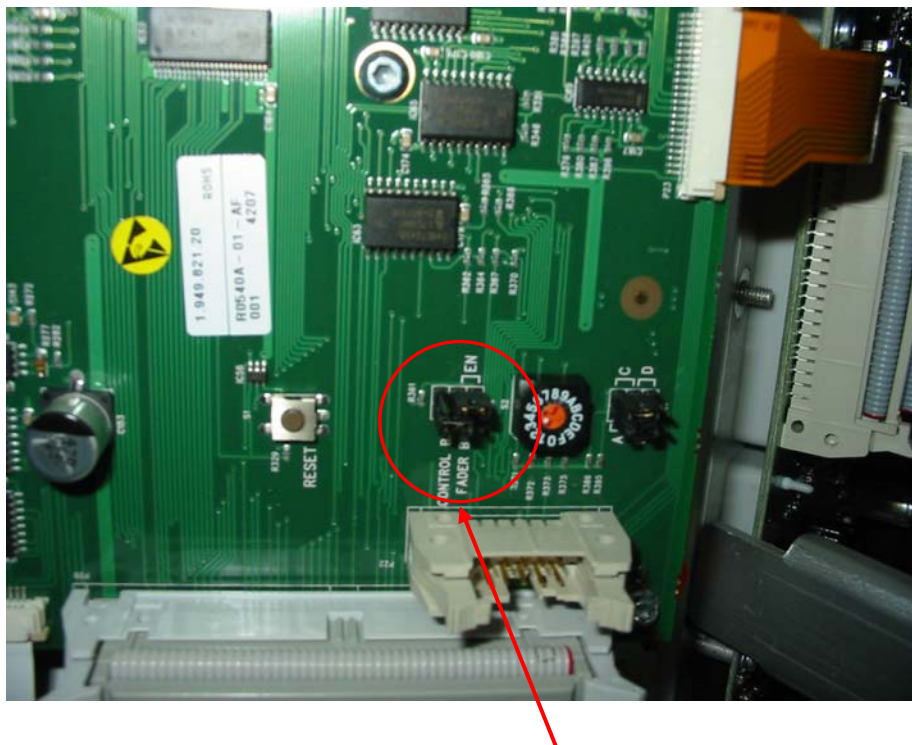
### Installation Instructions:

- 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

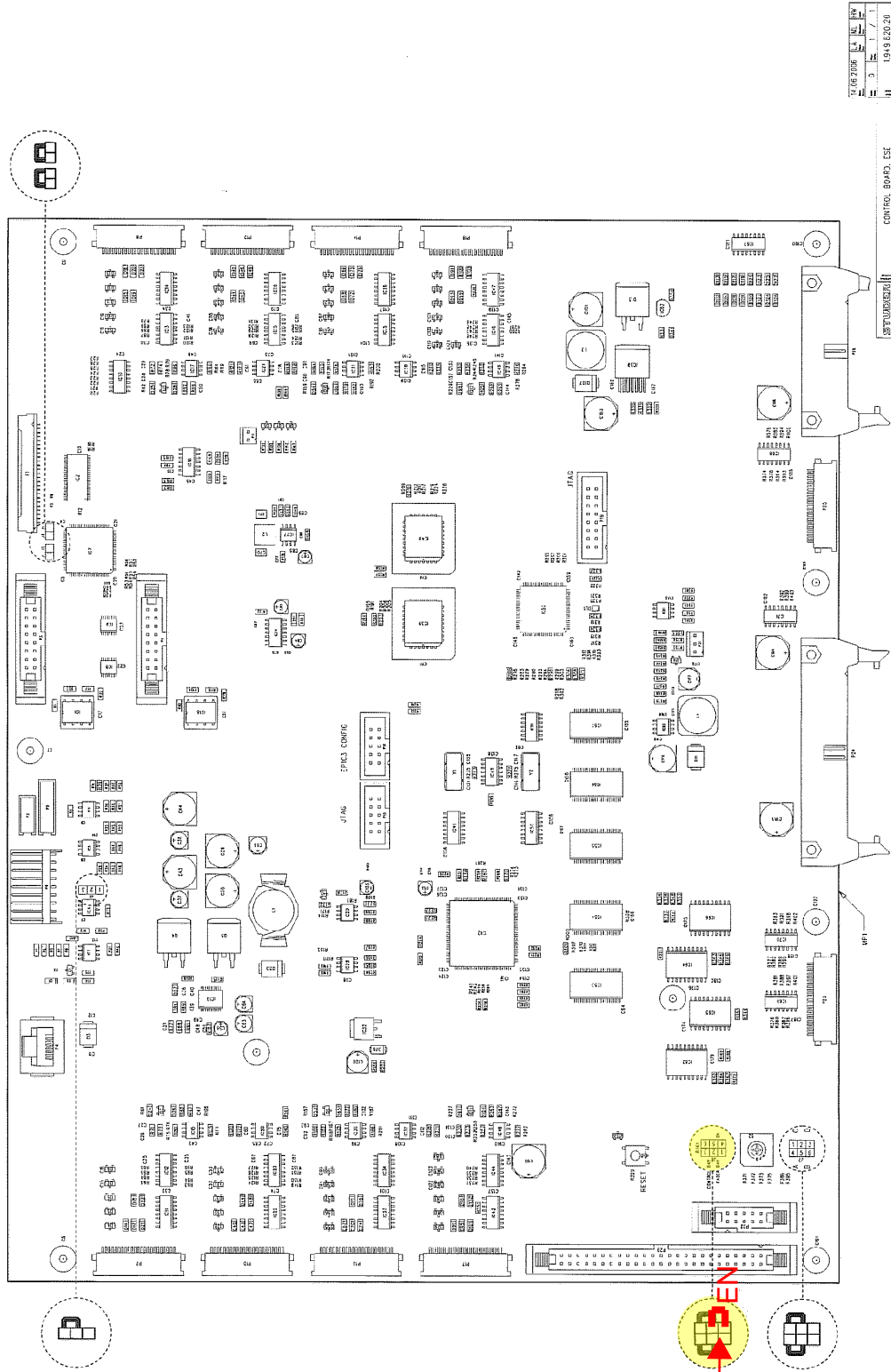


Change Jumper J6 to Position "EN"

STUDER

Vista 5 Digital Mixing System

Control PCB 1.949.820.20 ( 1 )



Change Jumper to position "EN"

## New Trackball wiring (USB)

89.20.1176

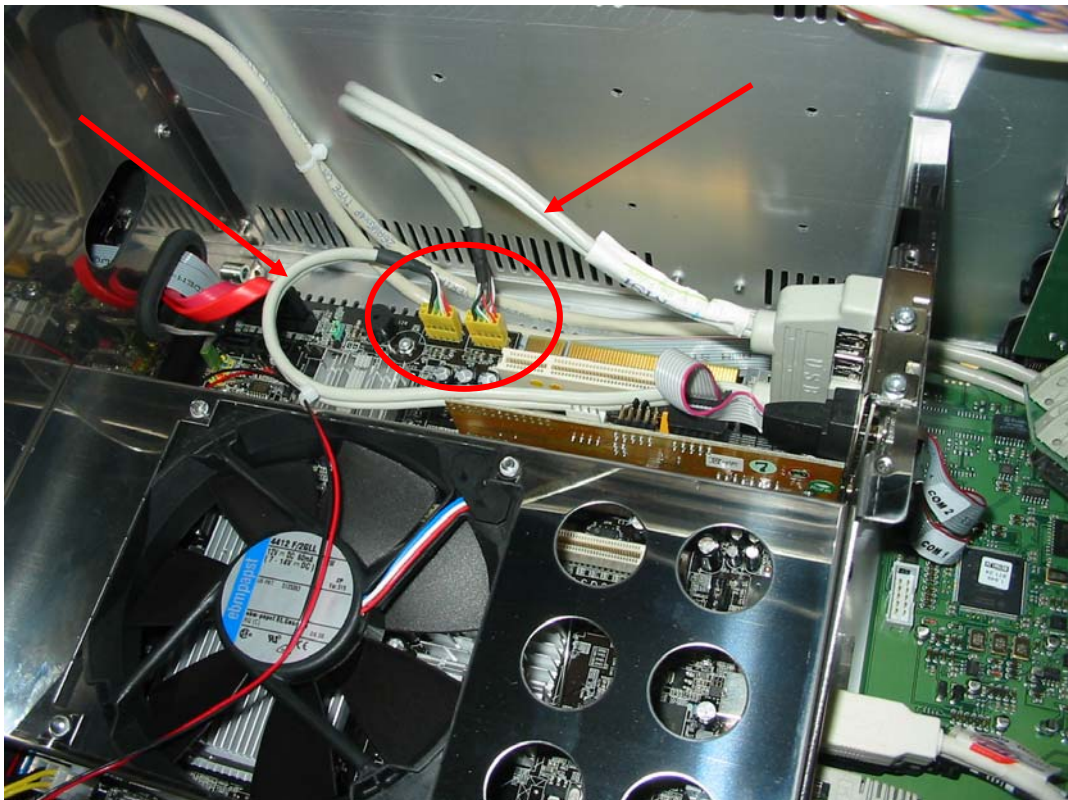
### Increased reliability of USB link

#### Modification :

- Required components :

1 x		USB 2.0 Connector cable
1 x	89.20.1176	Trackball connection cable
2 x	35.05.0311	Cable clamp
2 x	21.53.9354	Screw M3x6

On the motherboard install the USB 2.0 cable, just behind the COM 1 and COM 2 connectors as shown in the picture below:



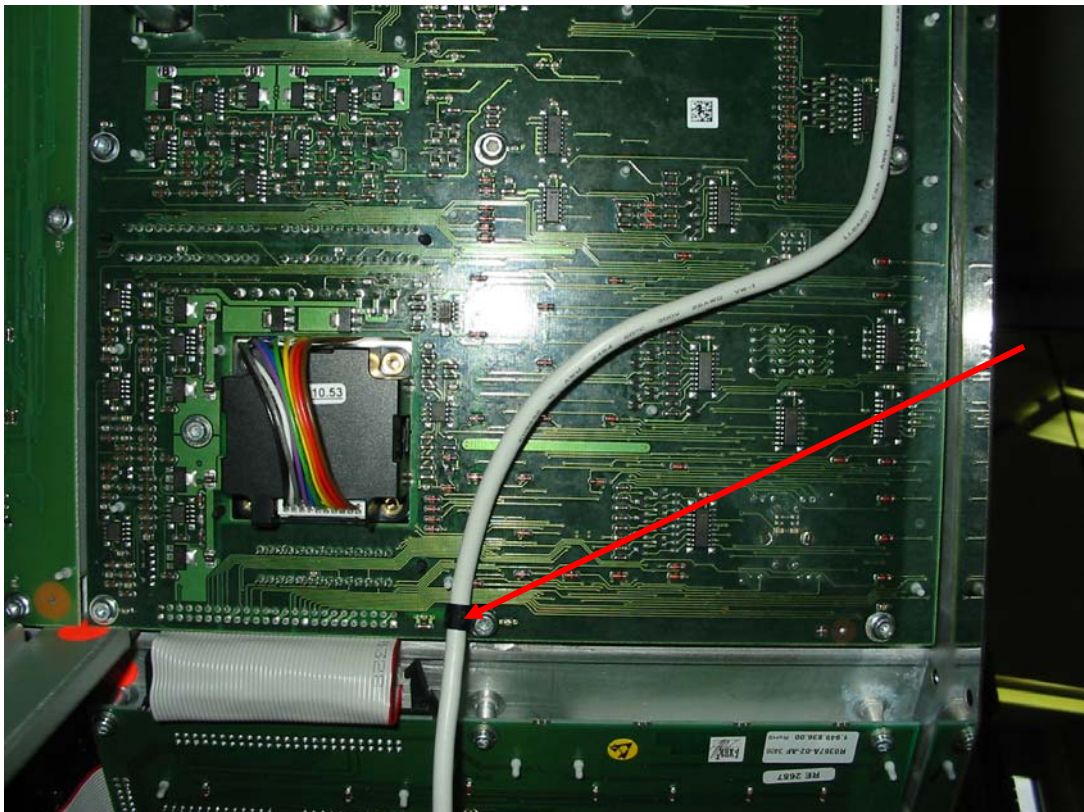
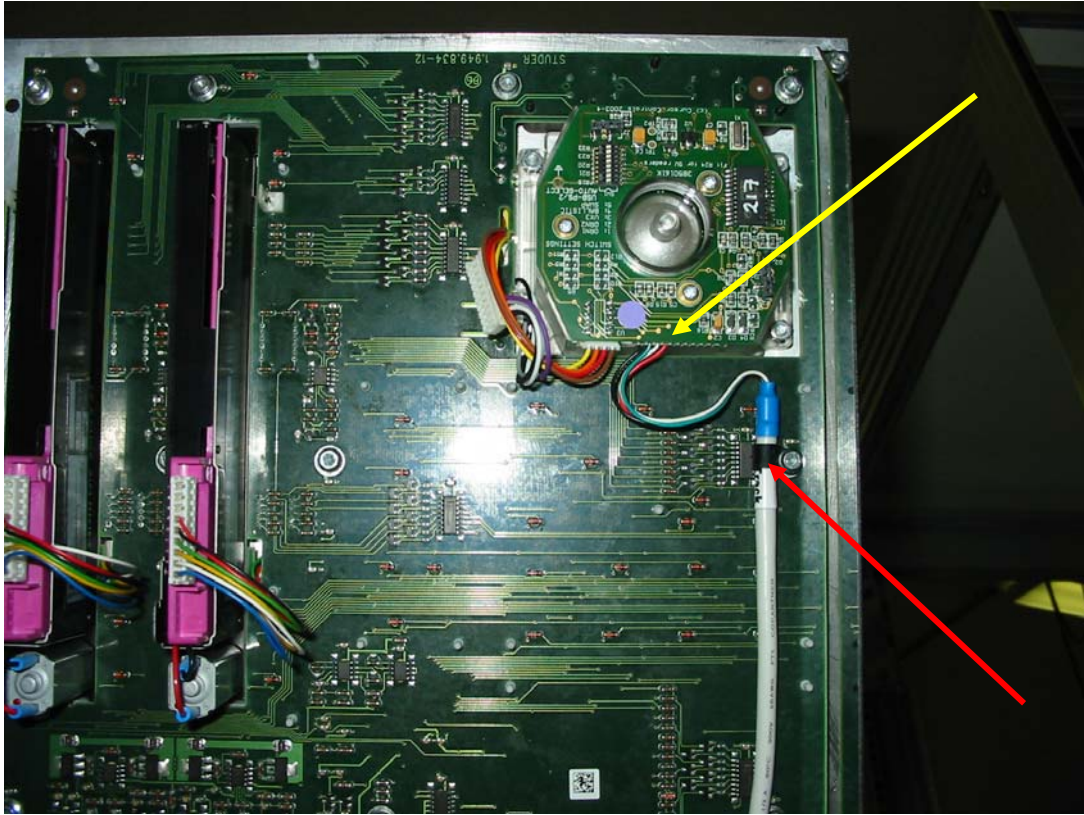
- Insert the lower (yellow) connector into the connector labelled USB 1 socket and the upper one into USB 2 socket, as seen on the picture above

Please note:

We recommend to remove the Graphic board to have better access to insert the USB 1 and USB 2 connectors.

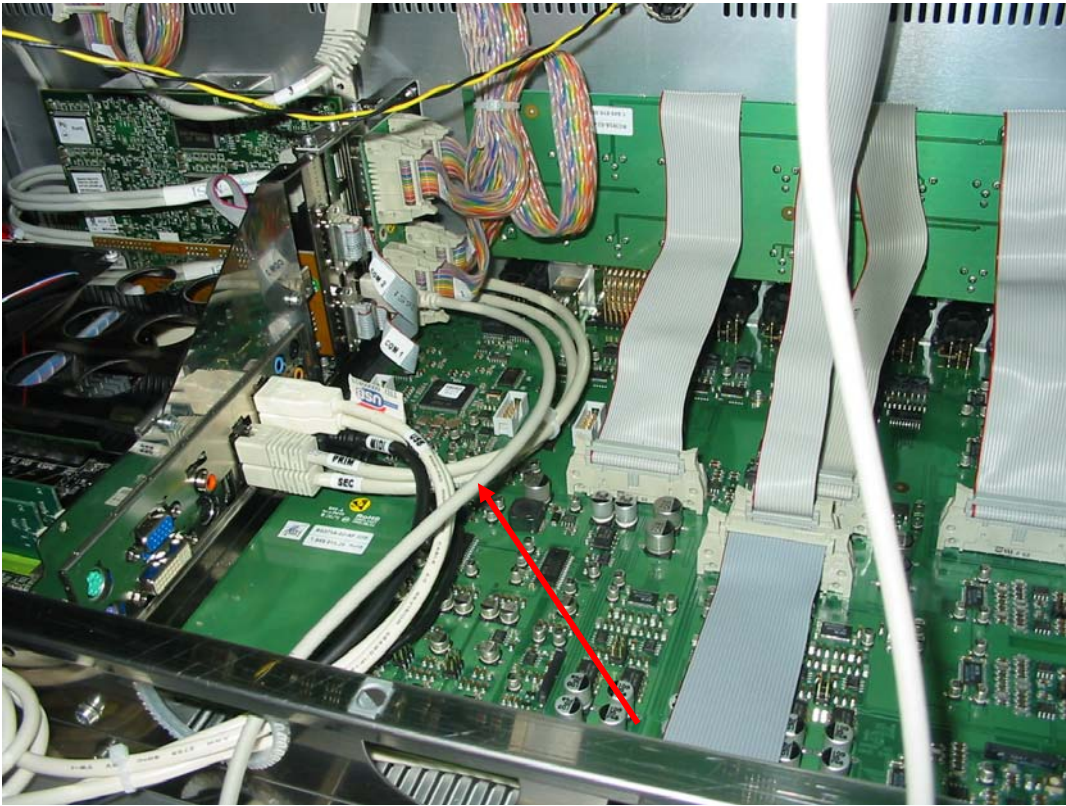
However, after the Graphic board has been re-inserted make sure to press slightly on the top right hand edge of the PCB while fastening the board on the top PC board installation rail! This shall ensure that the surface of the IC's on the Graphic board make proper mechanical contact to the heat sink surface.

- Remove the connector from the track ball and install the trackball cable 89.20.1176 as shown on the pictures below (yellow arrow):
- Use the cable clamps to fasten the wire as seen in the pictures below (red arrow):
- 





- Guide the cable through the edge protected Insert the USB plug into the lowest USB socket as shown in the picture blow . See red arrow



## Exchange of keyboard for Vista5

### Required tools:

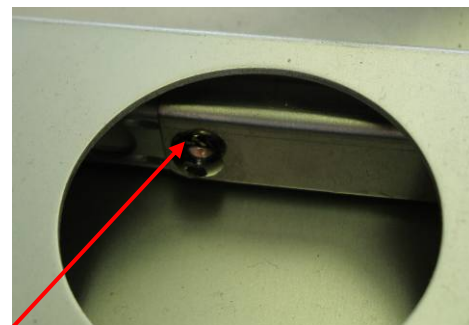
- Allenkey 2mm
- Allenkey 2,5mm
- 5.5 mm wrench or socket wrench key
- Side cutter
- Pair of bend tweezers or players

### 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.



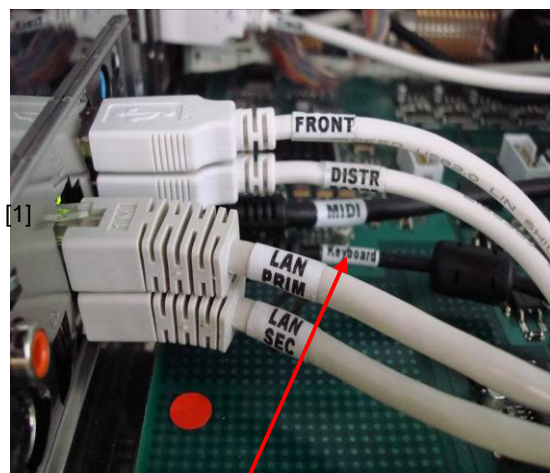
Picture 1



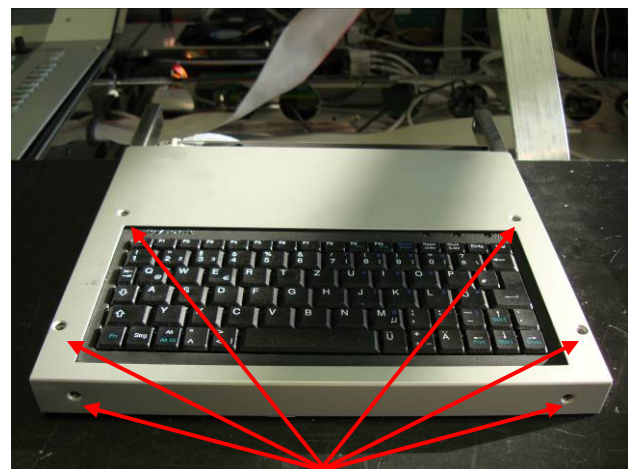
Picture 2

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.



Picture 3

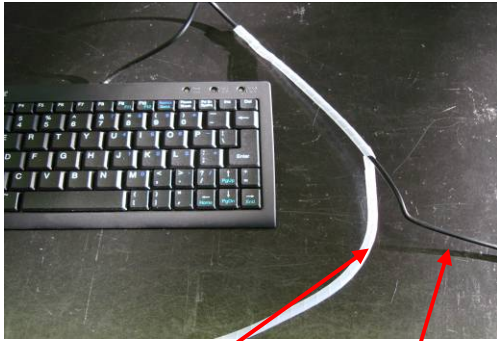


Picture 4

[1]

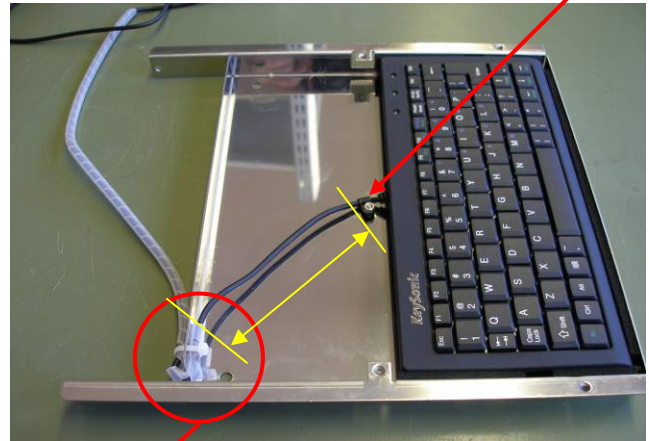
USB connection cable for the keyboard

- 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.

## 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.

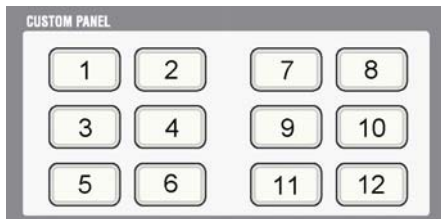
The 37 pin D-Type Custom Panel connector at the rear of the desk offers provides an input and an output signal for each key:

- 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)

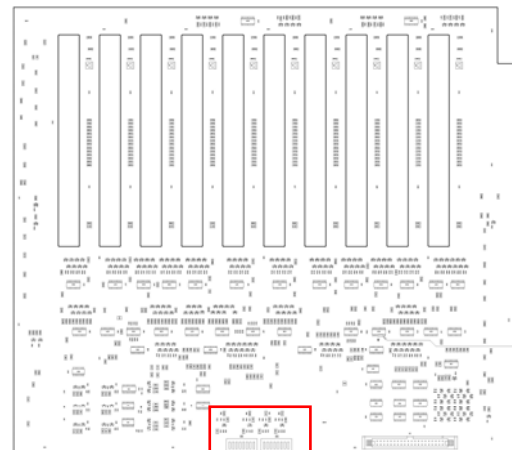
The connector offers a power supply 5V / 0.5A, the current on a single open collector output should not exceed 300 mA, the max. current not 2 A.

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



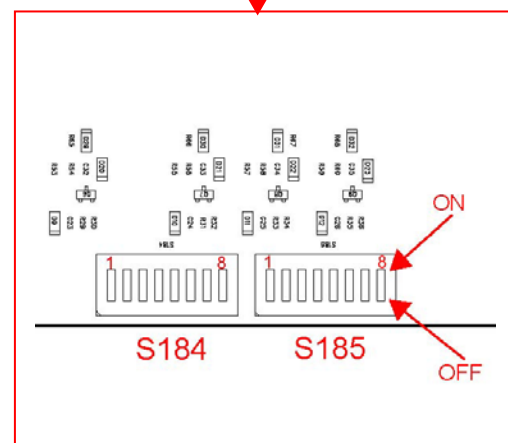
### Fader Front Control PCB 1.949.832.00



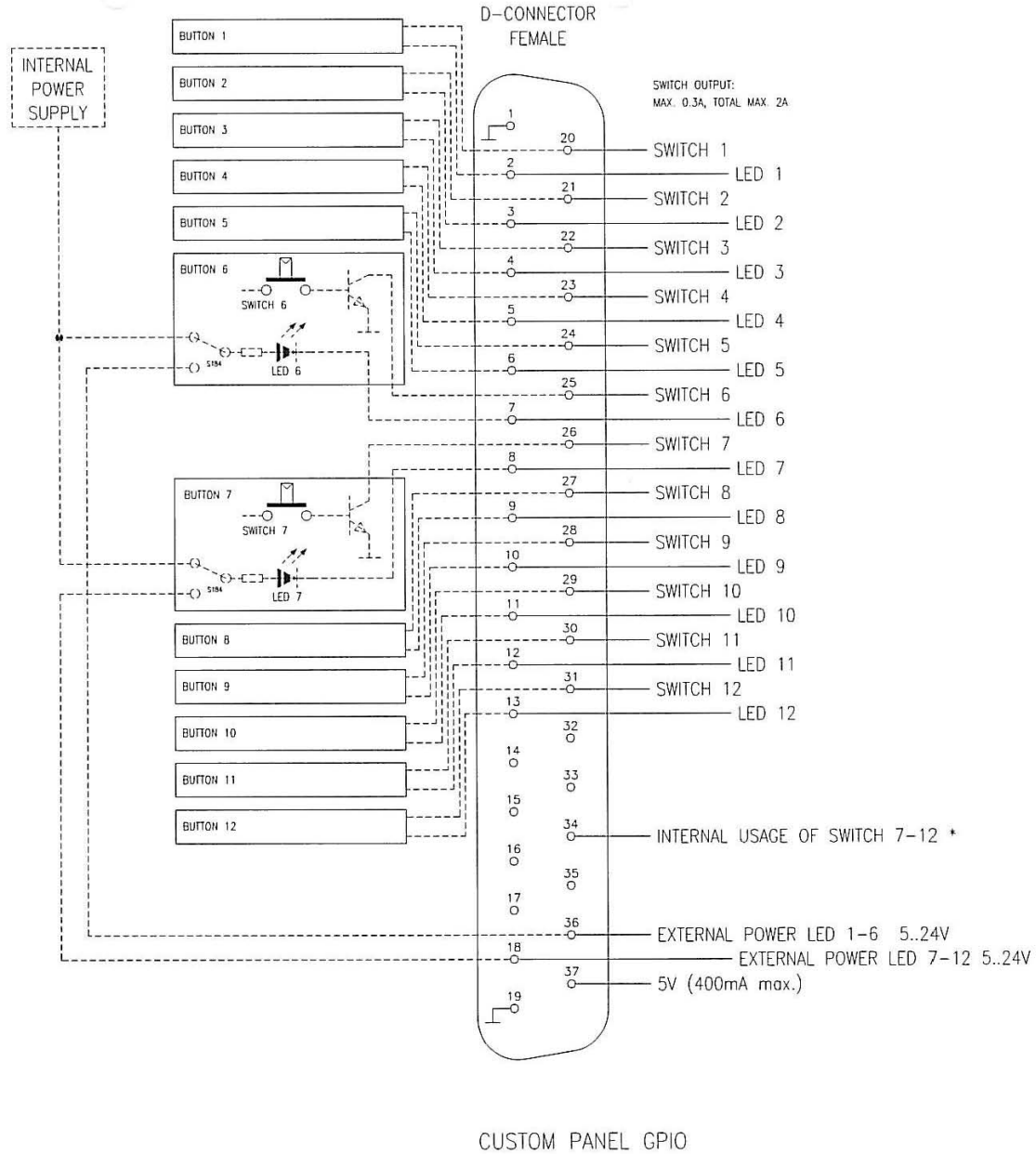
### DIL Switches

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

<p>S184</p> <p>External Power linked to LED 1-6 External Power linked to LED 7-10 Key 5 and 6 toggle mode Key 11 and 12 toggle mode Key 1-4 active at power up Key 7-10 active at power up Key 5 and 6 active at power up Key 11 and 12 active at power up</p>		<p>Internal Power linked to LED 1-6 Internal Power linked to LED 7-10 Key 5 and 6 momentary mode Key 11 and 12 momentary mode Key 1-4 not active at power up Key 7-10 not active at power up Key 5 and 6 not active at power up Key 11 and 12 not active at power up</p>
<p>S185</p> <p>Key 1 toggle mode Key 2 toggle mode Key 3 toggle mode Key 4 toggle mode Key 7 toggle mode Key 8 toggle mode Key 9 toggle mode Key 10 toggle mode</p>		<p>Key 1 momentary mode Key 2 momentary mode Key 3 momentary mode Key 4 momentary mode Key 7 momentary mode Key 8 momentary mode Key 9 momentary mode Key 10 momentary mode</p>



**Custom Panel GPIO Connector**  
(at rear of desk)



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.

## 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 than 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.

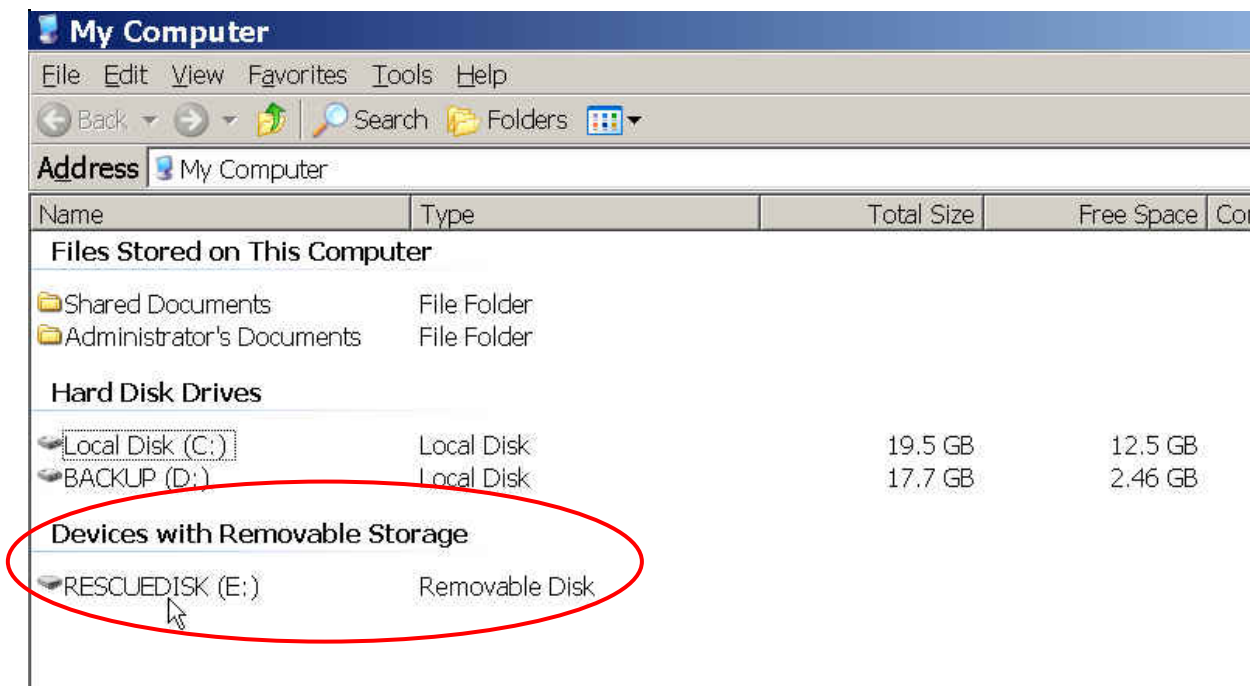
Plug a USB memory stick either into the front desk USB slot or into the rear one.

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:

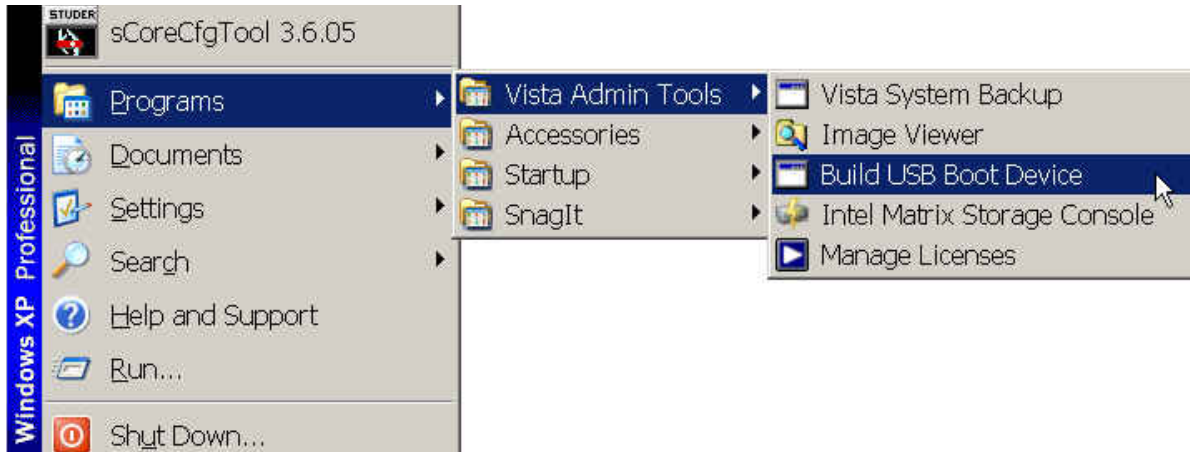
The USB stick used for this example was recognized as Removable Disk in the drive E:\ (see below the marked area in the folder: My Computer)



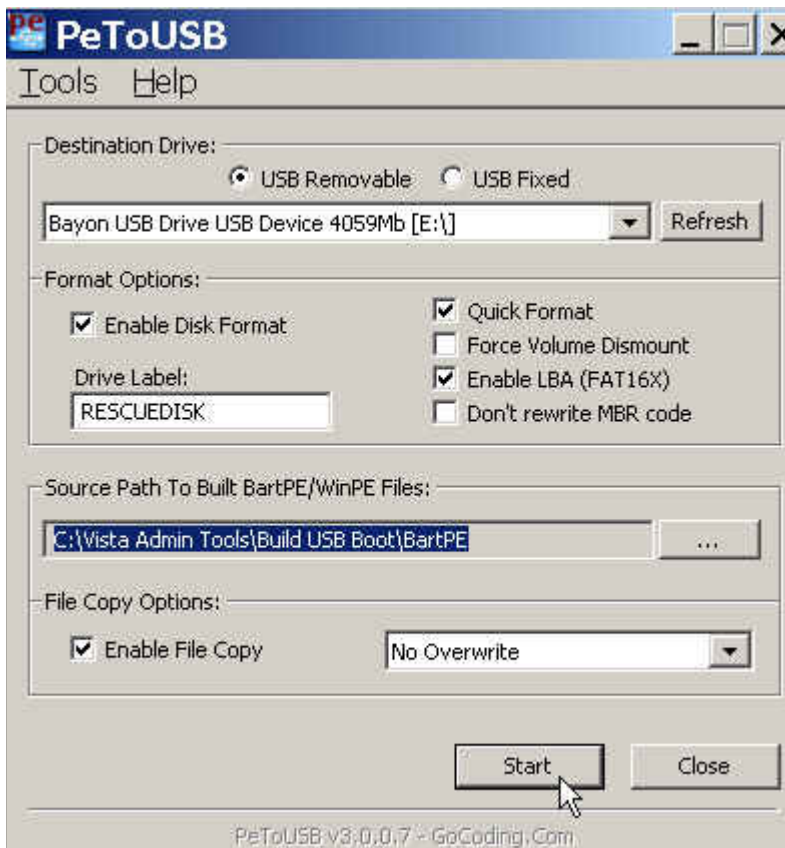
**Procedure to build a bootable USB stick:**

Insert an empty USB stick into the USB connector on the front or at the rear of the desk

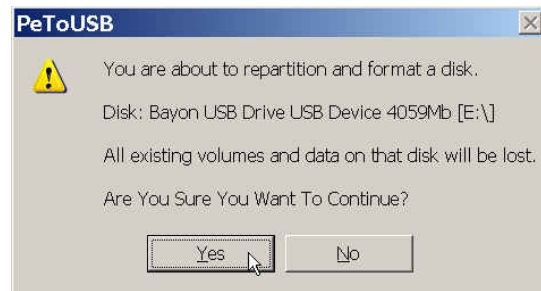
Press on the icon "START" in the Notification area at the bottom and enable the program: Built USB Boot Device, as shown below:



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



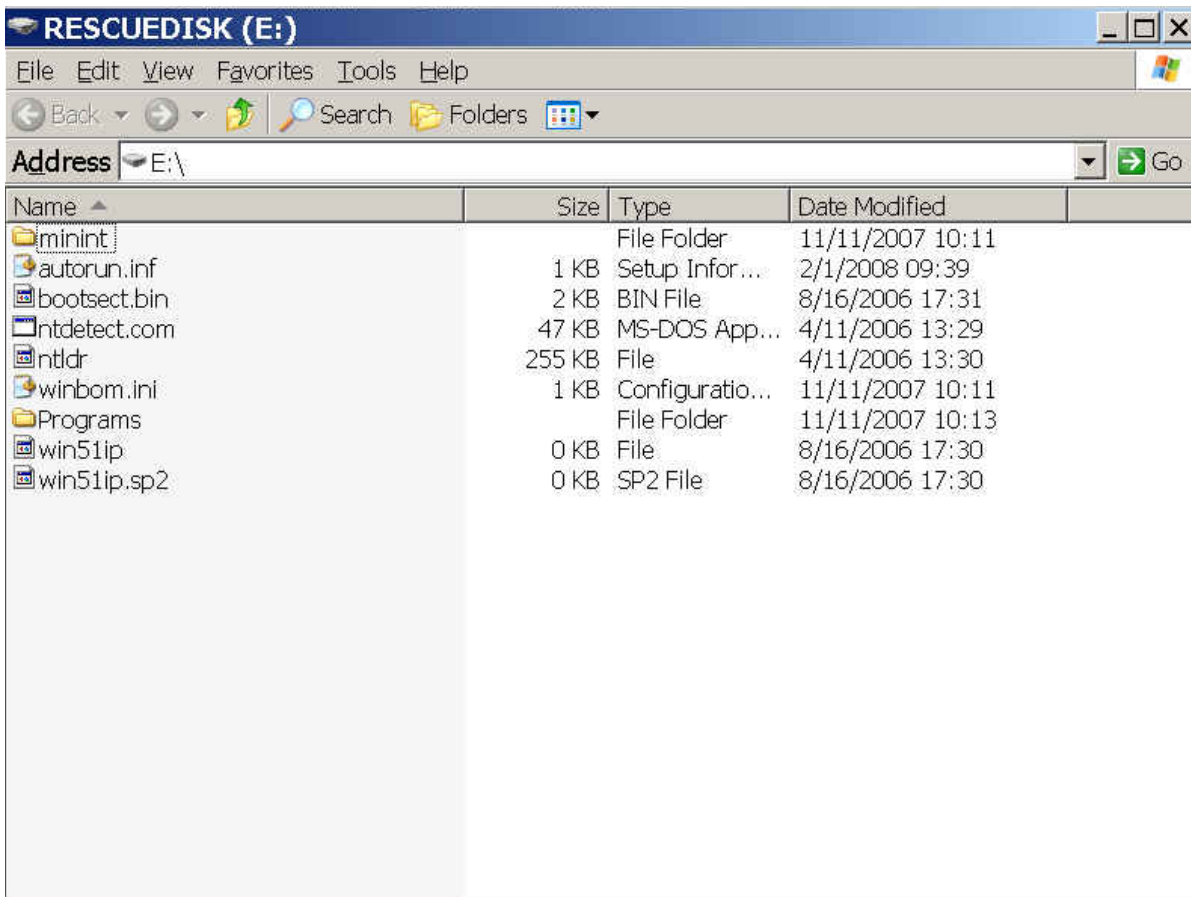
Say yes and confirm that you aware of erasing all the existing files and entries on your memory device



Wait for the download and quit the success message

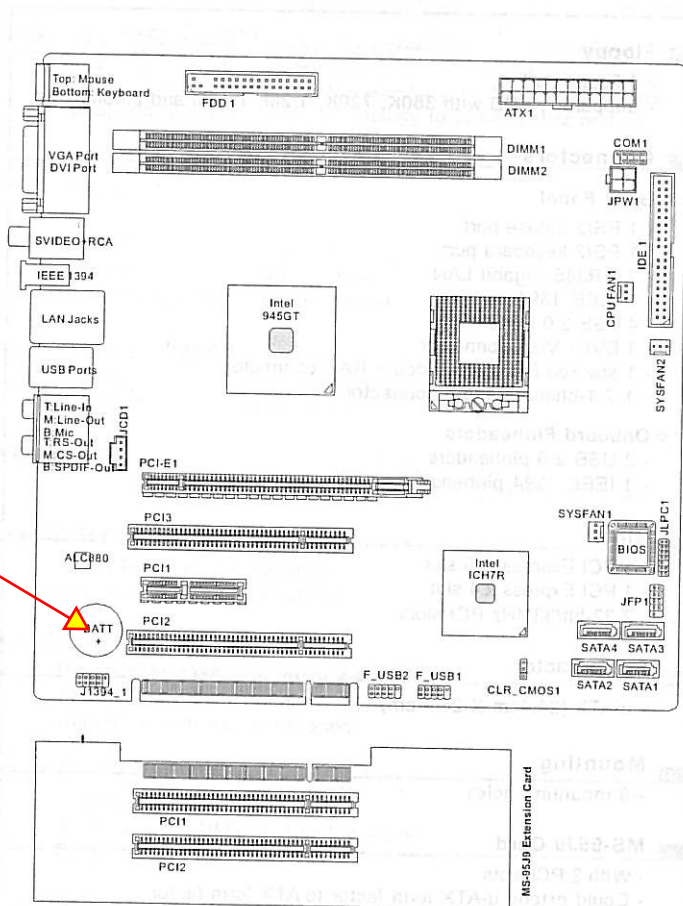


Now you should find the following files on your memory device:





# Mainboard Layout



945GT Speedster (MS-9632 v1.X) u-ATX Workstation Board

## LAN Update

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It is possible that an update requires a LAN (*local area network*) update.

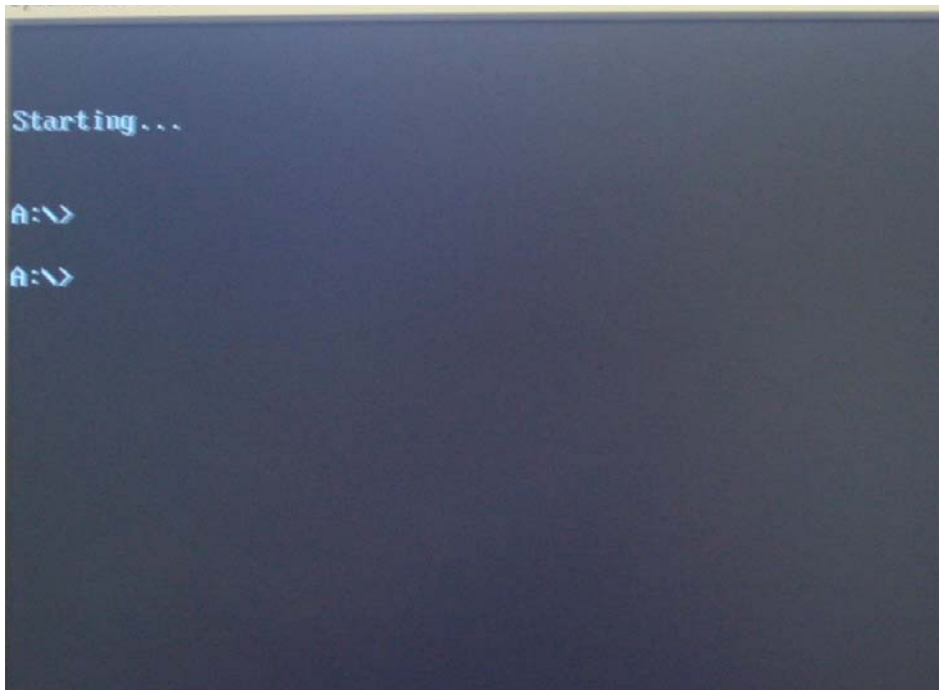
The following instruction shall inform how to perform such an update.

Please note:

In case of a PC motherboard failure, we may offer a tested board equipped with Processor and RAM card. Even the Bios will be loaded. Please contact your local representative for further information

Upgrade Instruction:

- Download the LAN program from our server and copy it to a Floppy disk.
- Connect an external USB Floppy disc drive to the USB connector on the front of the Vista5
- Insert the LAN floppy diskette and switch on the desk to boot the PC
- Press control / old / delete in case the following error message will appears: "Disk Boot Failure, Insert System Disk and Press Enter"



Check the contains of the diskette by entering `dir`

```
A:\>dir
Volume in drive A has no label
Volume Serial Number is 2A87-6CE1
Directory of A:\

EGA2      CPI           58,870   06-08-00   5:00p
EGA3      CPI           58,753   06-08-00   5:00p
EGA       CPI           58,870   06-08-00   5:00p
KEYB      COM           21,607   06-08-00   5:00p
KEYBOARD  SYS           34,566   06-08-00   5:00p
KEYBRD2   SYS           31,942   06-08-00   5:00p
KEYBRD3   SYS           31,633   06-08-00   5:00p
KEYBRD4   SYS           13,014   06-08-00   5:00p
MODE      COM           29,239   06-08-00   5:00p
COMMAND   COM           93,040   06-08-00   5:00p
DISPLAY   SYS           17,175   06-08-00   5:00p
AUTDEXEC  BAT            0   01-31-07  10:18a
CONFIG    SYS            0   01-31-07  10:18a
BIOS      <DIR>          01-31-07  10:19a
LAN       <DIR>          01-31-07  10:19a
          13 file(s)    448,709 bytes
          2 dir(s)    82,944 bytes free

A:\>_
```

Enter `cd lan` to go into the the LAN directory  
Check the contains of the LAN by entering `dir`

```
AUTDEXEC  BAT            0   01-31-07  10:18a
CONFIG    SYS            0   01-31-07  10:18a
BIOS      <DIR>          01-31-07  10:19a
LAN       <DIR>          01-31-07  10:19a
          13 file(s)    448,709 bytes
          2 dir(s)    82,944 bytes free

A:\>cd lan
A:\LAN>dir
Volume in drive A has no label
Volume Serial Number is 2A87-6CE1
Directory of A:\LAN

.          <DIR>          01-31-07  10:19a
..         <DIR>          01-31-07  10:19a
9632EL1M  100           32,994   01-17-07   9:24a
EEUPDATE  EXE          199,907   05-19-05   6:26p
README    TXT            45   01-30-07   3:45p
UPDATE    BAT            64   01-17-07   2:49p
          4 file(s)    233,010 bytes
          2 dir(s)    82,944 bytes free

A:\LAN>
```

The file UPDATE.BAT must appear  
 If so, enter **update.bat** and press the enter key

```

AUTOEXEC BAT           0 01-31-07 10:18a
CONFIG SYS             0 01-31-07 10:18a
BIOS                   01-31-07 10:19a
LAN                    01-31-07 10:19a
      13 file(s)       448,709 bytes
      2 dir(s)        82,944 bytes free

A:\>cd lan

A:\LAN>dir

Volume in drive A has no label
Volume Serial Number is 2A87-6CE1
Directory of A:\LAN

.                <DIR>          01-31-07 10:19a
..               <DIR>          01-31-07 10:19a
963ZEL1M 100     32,994 01-17-07  9:24a
EEUPDATE EXE    199,907 05-19-05  6:26p
README TXT      45 01-30-07  3:45p
UPDATE BAT      64 01-17-07  2:49p
      1 file(s)       233,010 bytes
      2 dir(s)        82,944 bytes free

A:\LAN>update.bat
  
```

Wait for the following picture:

```

EEUPDATE v5.01.01.08
Copyright (C) 1995 - 2005 Intel Corporation
Intel (R) Confidential and not for general distribution.

NIC Bus Dev Fun Vendor-Device Branding string
=== ===
1 2 00 00 8086-109A Intel(R) PRO/1000 PL Network Connection
2 3 00 00 8086-109A Intel(R) PRO/1000 PL Network Connection

2: EEPROM image (excluding MAC Address) updated successfully.
2: Issuing EEPROM reload command...
2: Updating Checksum and CRCs...Done.

A:\LAN>
  
```

Remove USB Floppy drive  
 Restart by entering **Ctrl, Alt and Del**

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## Create a new partition for back-up file

---

We advise you to build a separate partition on your harddisc (HD) to save a image (backup) of your Vista5 desk and the appropriate settings.

This may help reloading the Vista5 settings in case of lost of memory or to recall a second important setting!  
We recommend to redo occasionally a backup, especially in case of a Software upgrade.

Procedure:

- On desktop double click to my computer icon
- Expand the file storage
- Click on Disk Management
- Right hand mouse click onto the Unallocated era and select New partition → the New Partition Wizard will open
- Press Next
- Select Primary Partition and press next
- Select Partition size (e.g.: 18144 MB)
- Assign the Drive letter were the backup file shall be memorized (e.g.: D:) and press next
- Formate this partition with the following settings:
  - o NTFS
  - o Default
- Wait until the partition finished formatting
- Press finish and cancel

For easier identification of the drive when reloading an image we recommend to name the significantly (e.g.: backup and possibly a customer identification, e.g.: Backup\_Studer

At the same time we recommend to give the main Drive an easy identifiable name (e.g.: System\_studer)

Procedure to chnge the name of the drive:

- Right hand mouse click to the computer icon on the desk top
- Select the drive
- Expand the file storage
- Click on Disk Management
- Right hand mouse click to the drive which shall be named (e.g. D:)
- Open Poperties and type the desired name in (e.g.: backup\_studer D:)
- Repeat procedure for the main drive as well and change the drive name accordingly (e.g.: system\_studer C:)

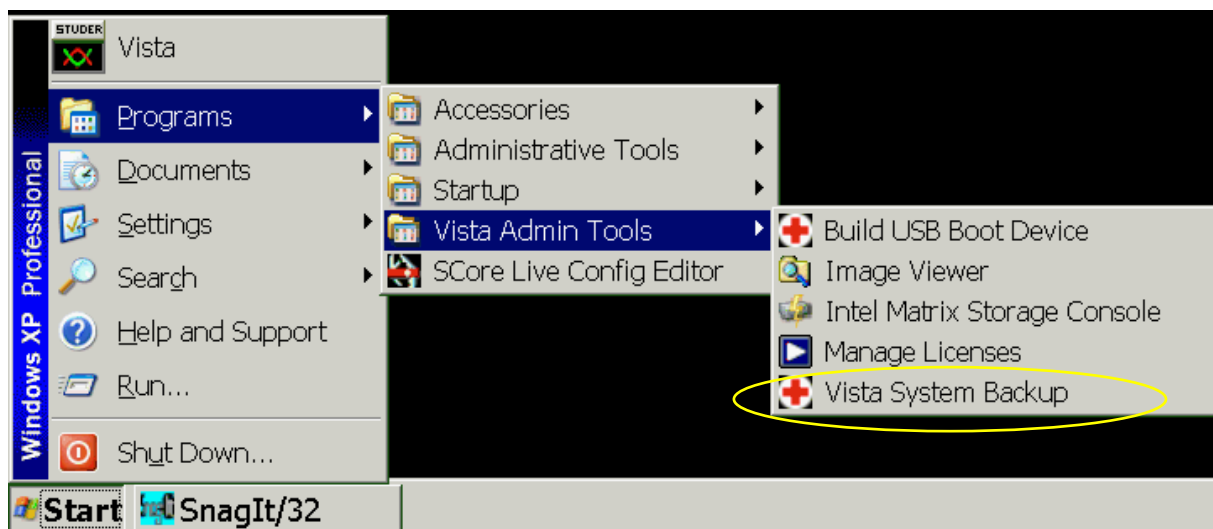
## System Backup and restore image

### 1.) System Backup

The Vista 5 offers a tool to save your system settings in a backup.

We recommend to make regularly backups of your system (every view month or to make a backup after a Software upgrade, to have the possibility to reload the desk image in case of an unexpected data loss (e.g.: hard disc crash, etc.)

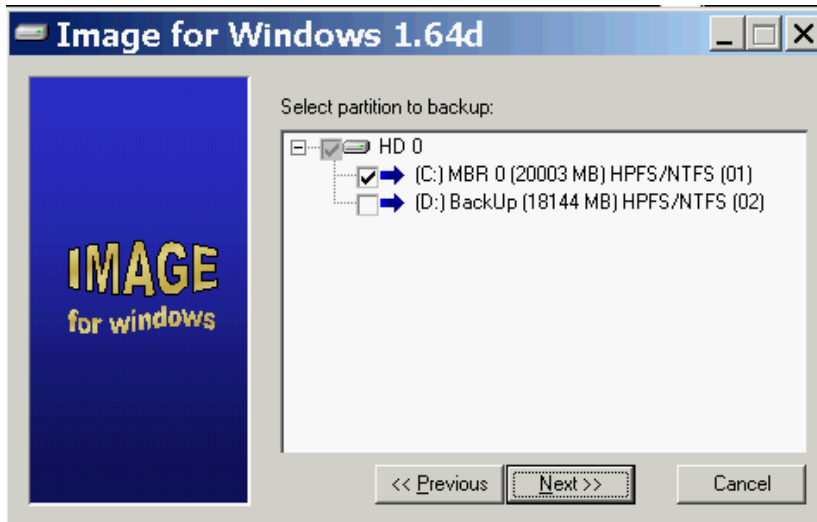
To make a backup, click on Start → Programs → Vista Admin Tools → Vista System backup as shown below:



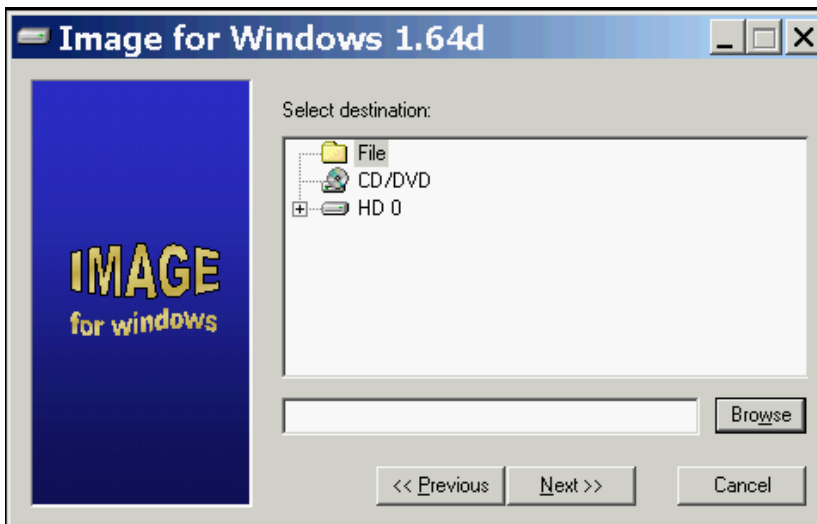
This will allow you to enter into the Image for Windows:



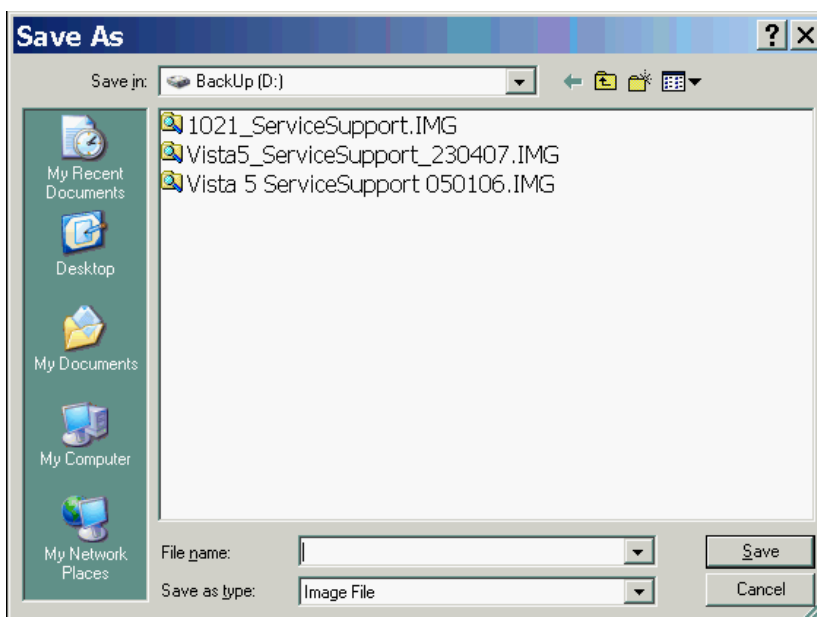
Select: Backup  
and press: Next



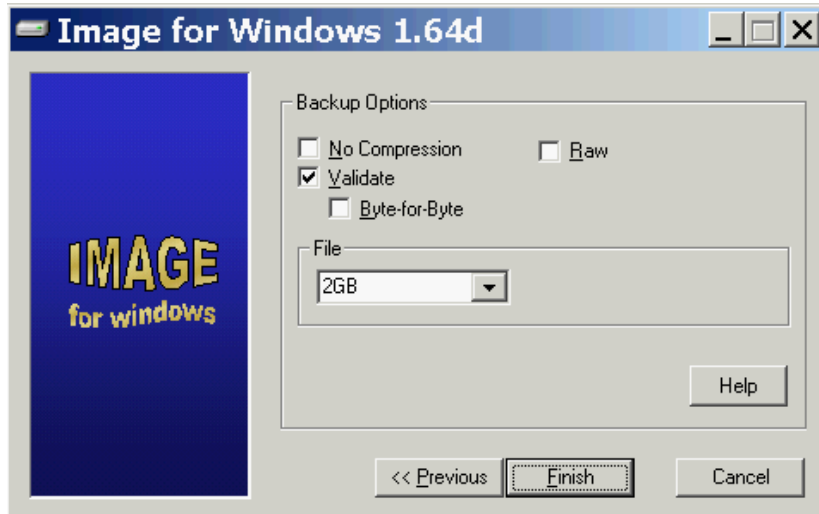
Choose the system partition HD 0 MBR 0 as partition to backup: Backup, mainly (C:) and confirm with: Next



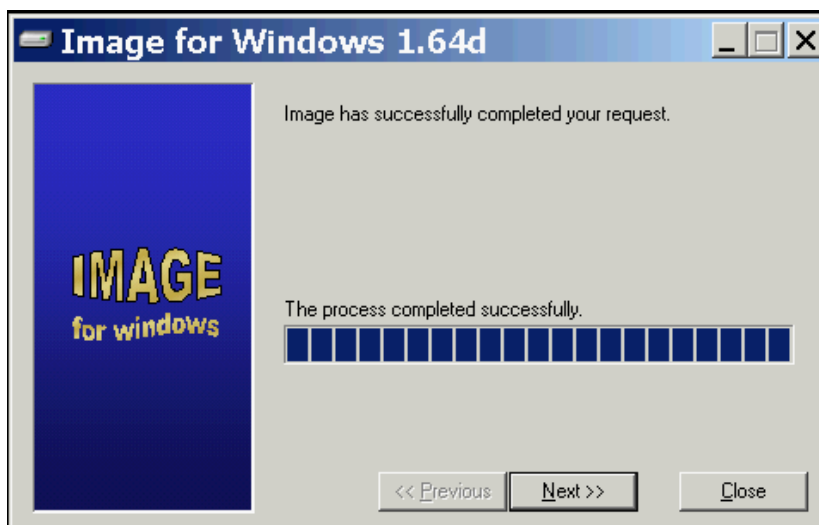
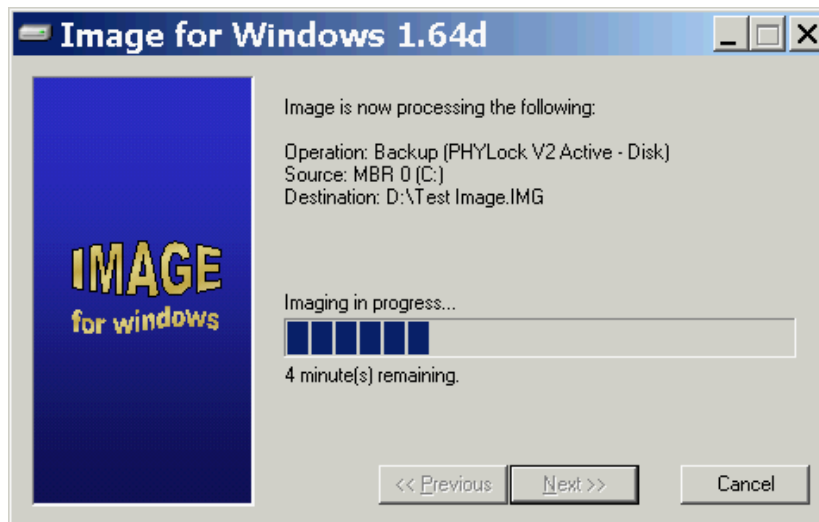
Select "File" and then use the browse button to select the back up destination e.g.: Backup partition or external USB



Give the backup a concise name and press: Save



Select Validate and press: Finish





## 2.) Restore Image

To load an earlier complete desk setup restore a backup from the desk memory (either Hard disc or SSD) or from an external USB drive.

To be able to restore an image a bootable device is necessarily. This could be either a bootable (memory) stick or an external hard disc with a boot partition.

Please be aware that not every memory stick is suitable as boot device. Therefore we recommend to check your bootable tool immediately after building it. See as well under: Bootable stick

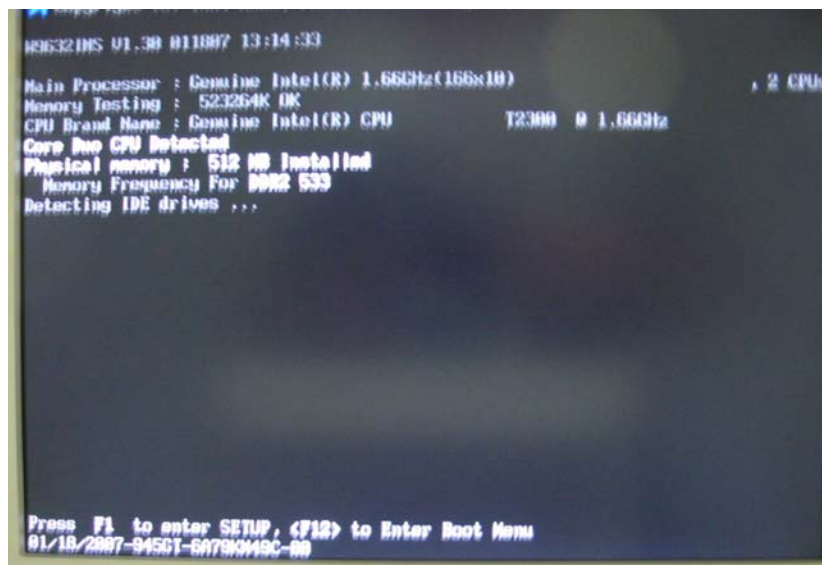
Furthermore please be note that Vista 5 desk with serial number 1088 and up are equipped with BIOS setting v1.3. Possibly memory stick worked with Vista5 desk with earlier serial number may possibly no longer work on desks with the BIOS version v1.3. For this reason it is recommended to try booting from the memory stick, just after the backup has been made.

### Procedure:

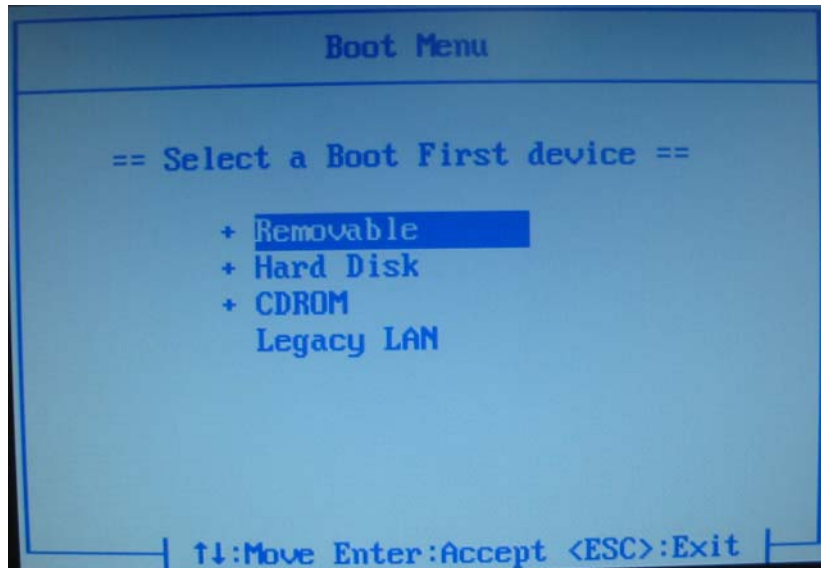
Shut down the desk

Insert the memory devise into one of the USB slots

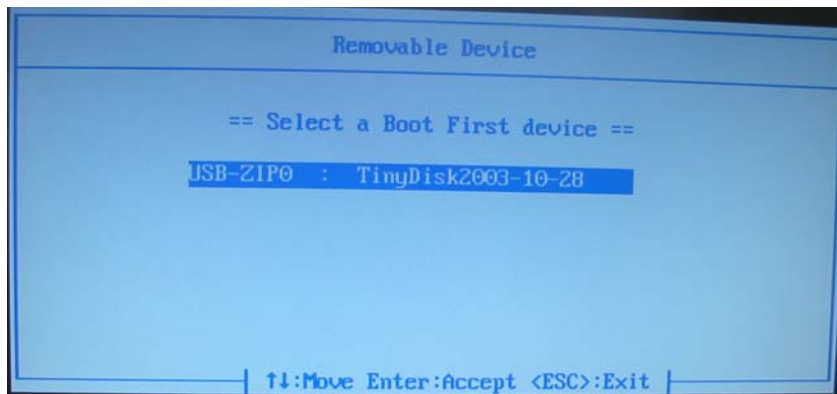
Power up the desk



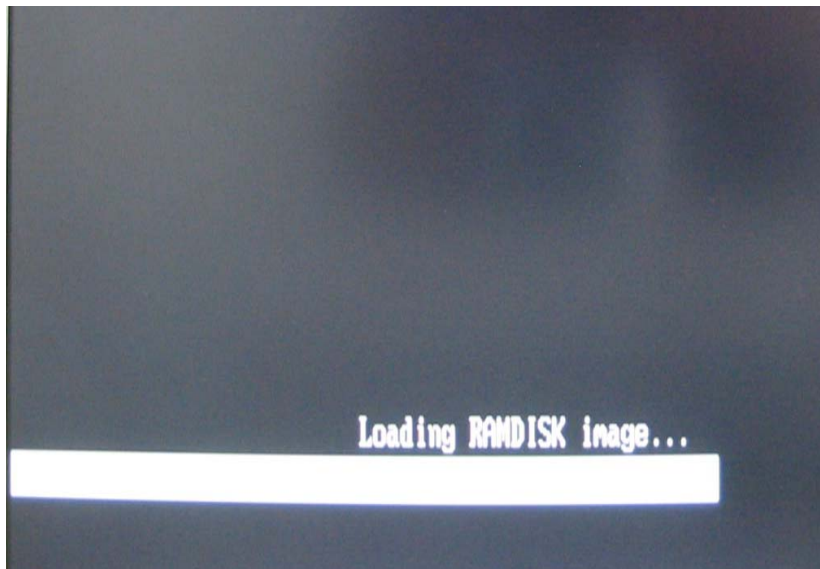
Press F12 several times during boot up mode to enter into the BIOS settings



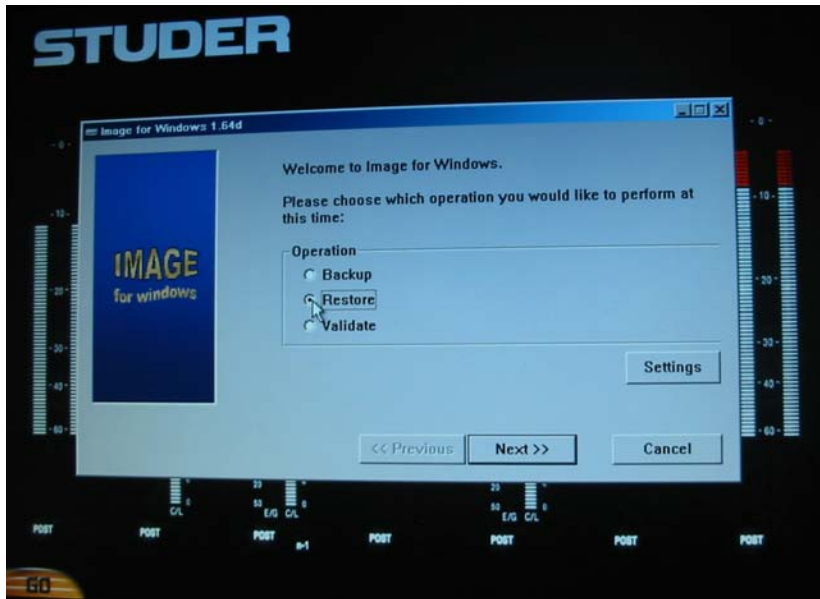
Select the section under which the bootable device appears.  
Please note:  
A memory stick must not necessarily be recognized as "Removable"



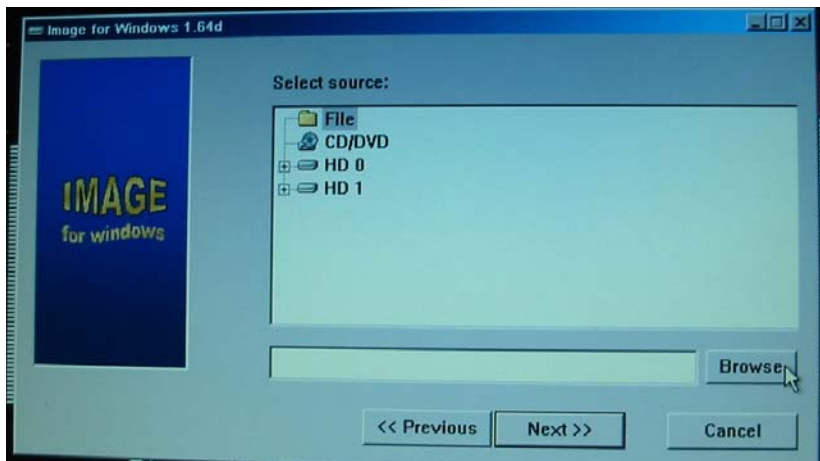
Select the bootable device and  
Select the bootable device and  
p Select the bootable device and  
press enter



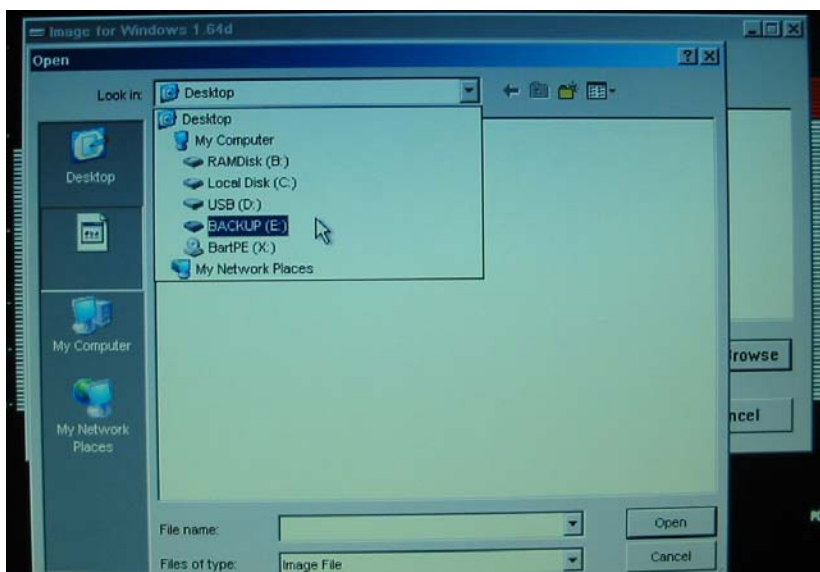
RAM disk loading will start,  
please wait



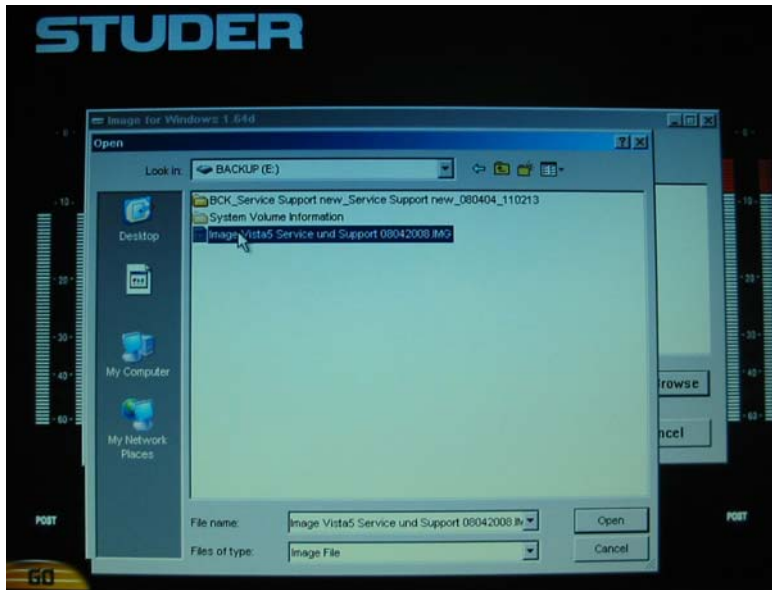
Choose Restore and confirm with next



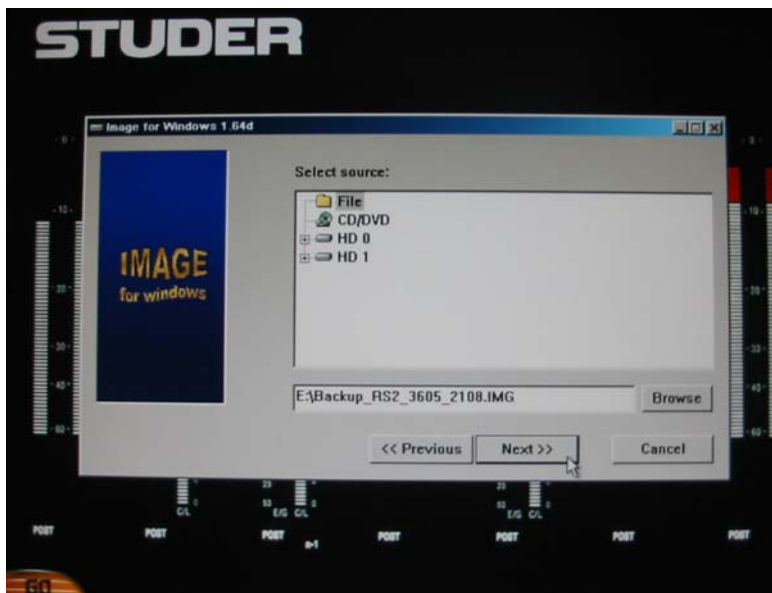
Select file and press browse to search for the source of the backup file



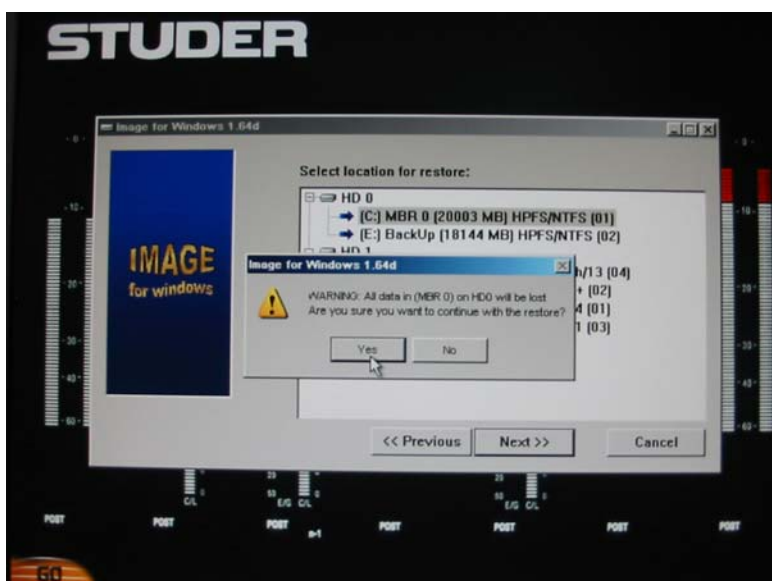
Select the Backup partition and press open



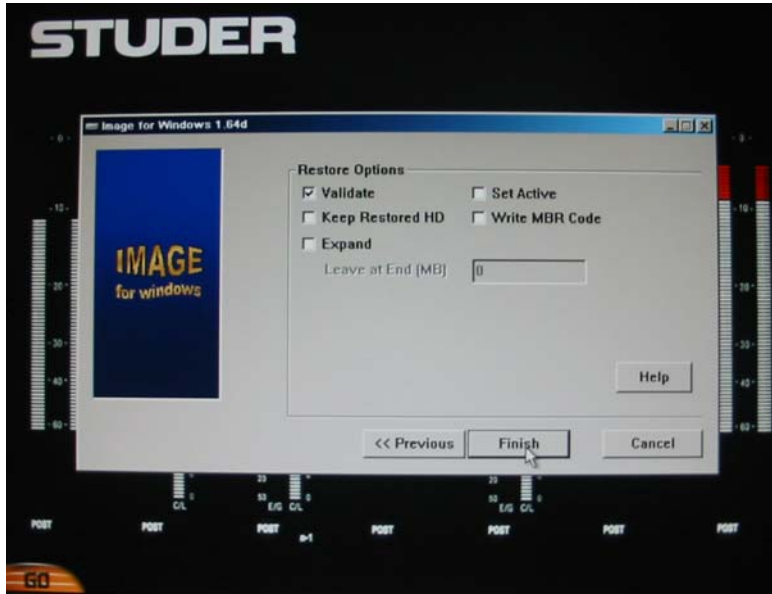
Select the desired Backup file and press open



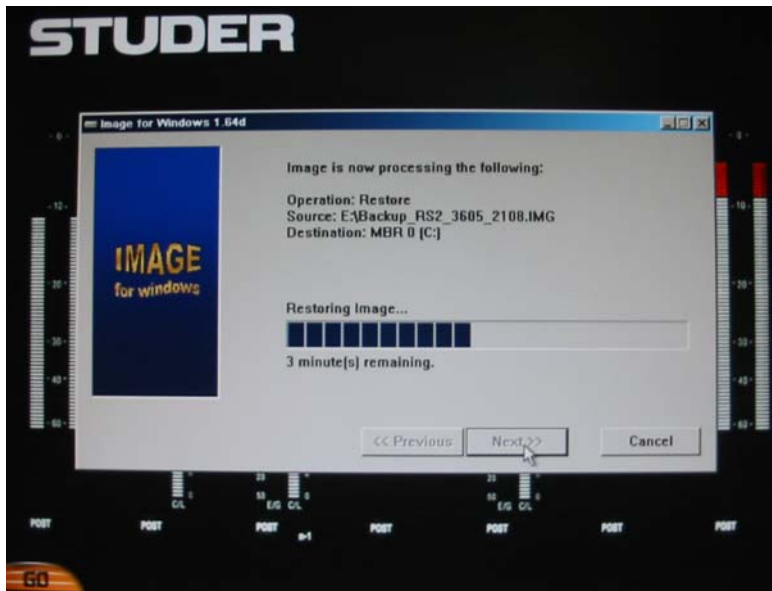
Press next



Select the location where the backup shall be restored: e.g.: [C:] MBR 0 (20003 MB) HPFS/NTFS (01) and press: Next  
Quit warning with "Yes" if you agree to delete all previous data's on the corresponding HD



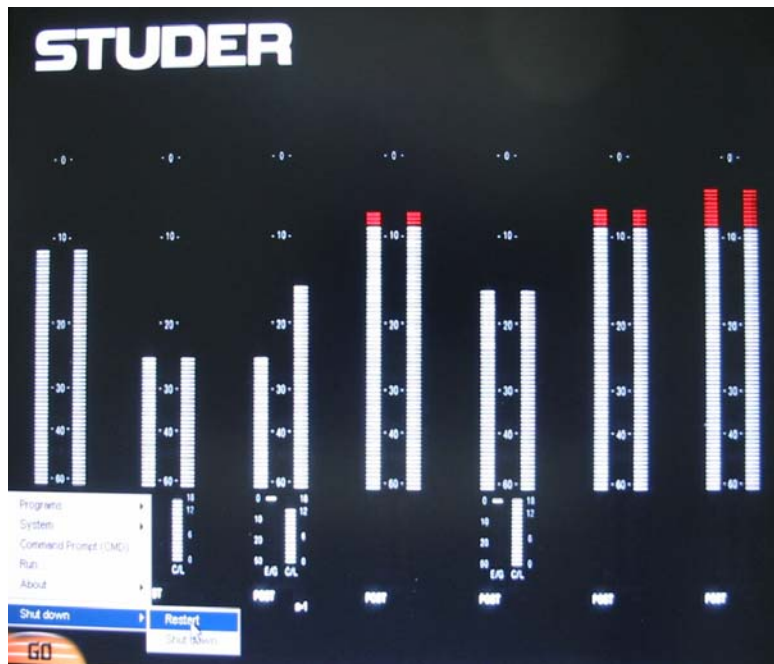
Press Finish



Wait until Validating Image and restoring Image has been loaded and the following display pops up:



Remove the bootable device (either Memory stick or HD) from the USB slot  
Press to "GO" on left hand

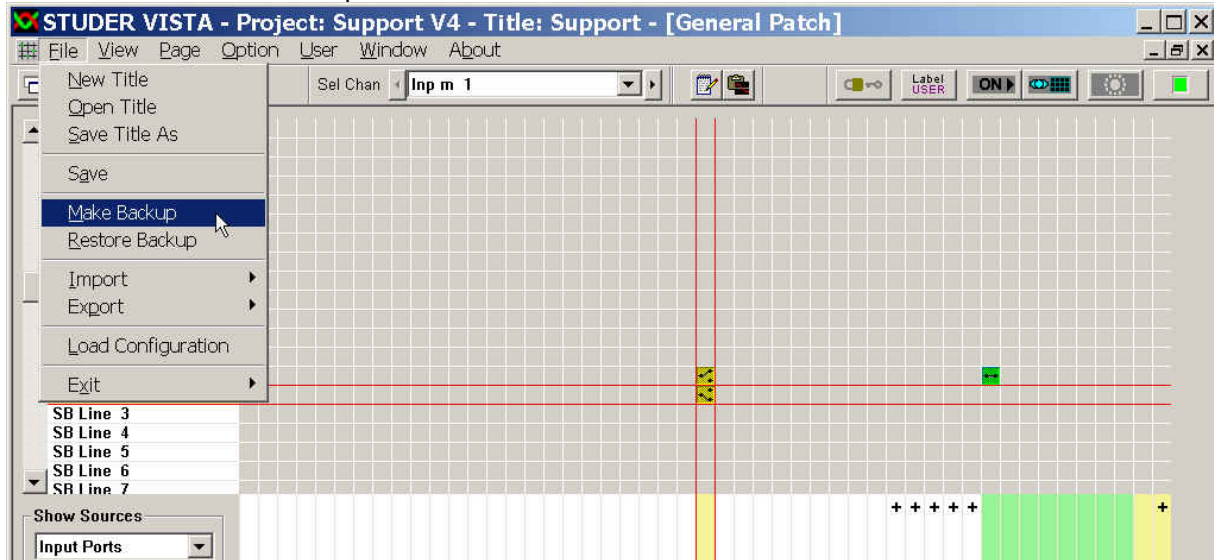


Select shutdown and enable Restart

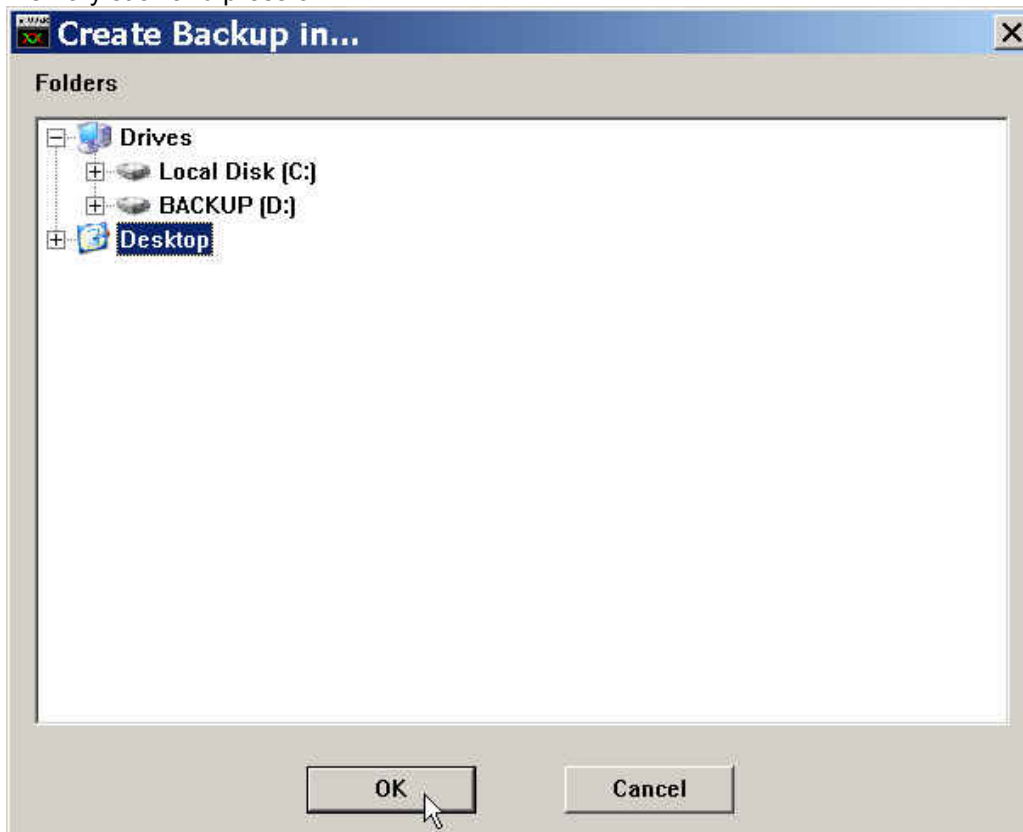
### Title backup

This tool offers you to save a certain title into the backup partition, onto the desktop or any other place e.g.: External HD or memory stick.

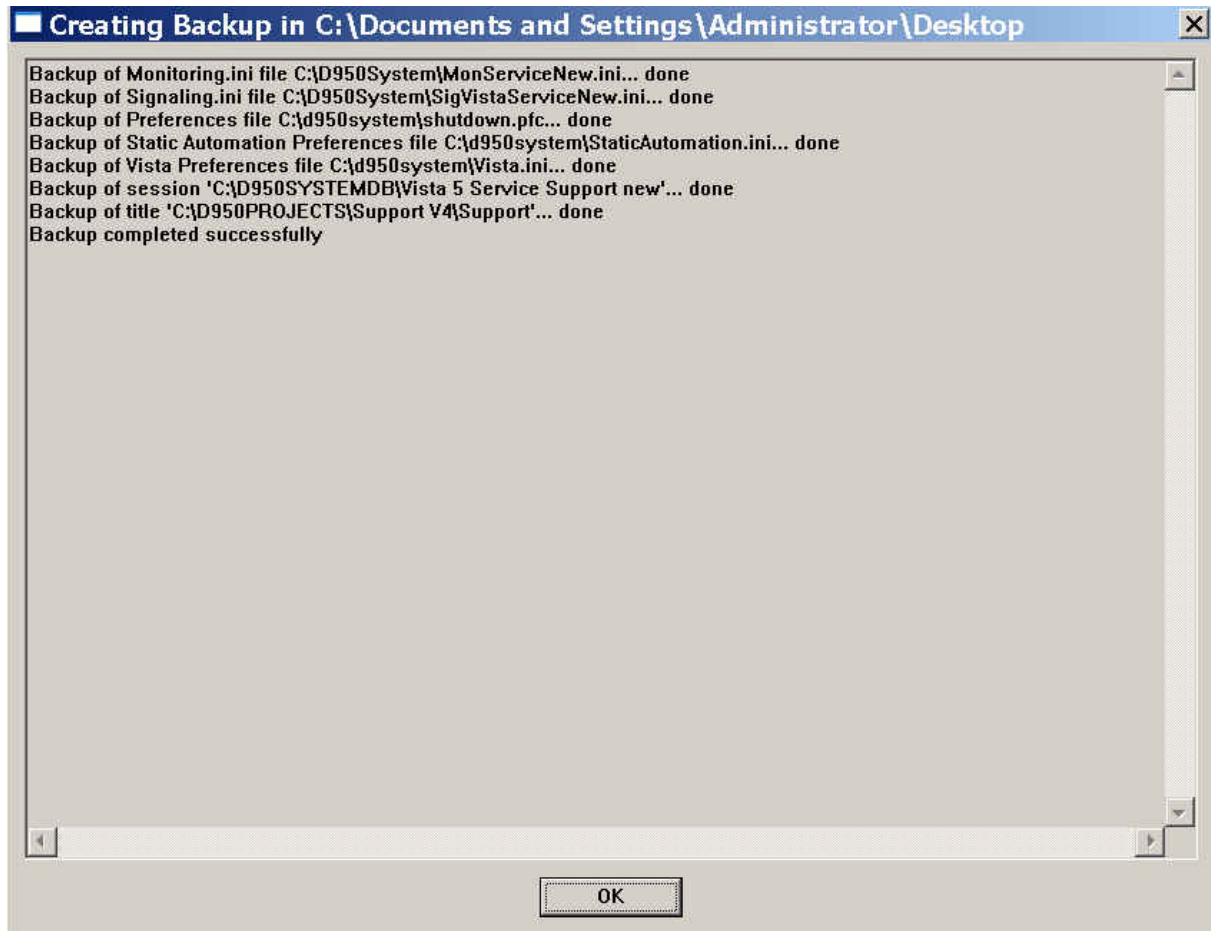
Klick on file and make backup



Select the destination, where you want to store the title backup, e.g.: Desktop or external HD resp. Memory stick and press ok



Finally you will get a listing of the files which have been backed up



Press OK and zip the files and transfer it to the HD or memory stick and send it to us



## Getting information about Bridge card's firmware

### 1. Web Server

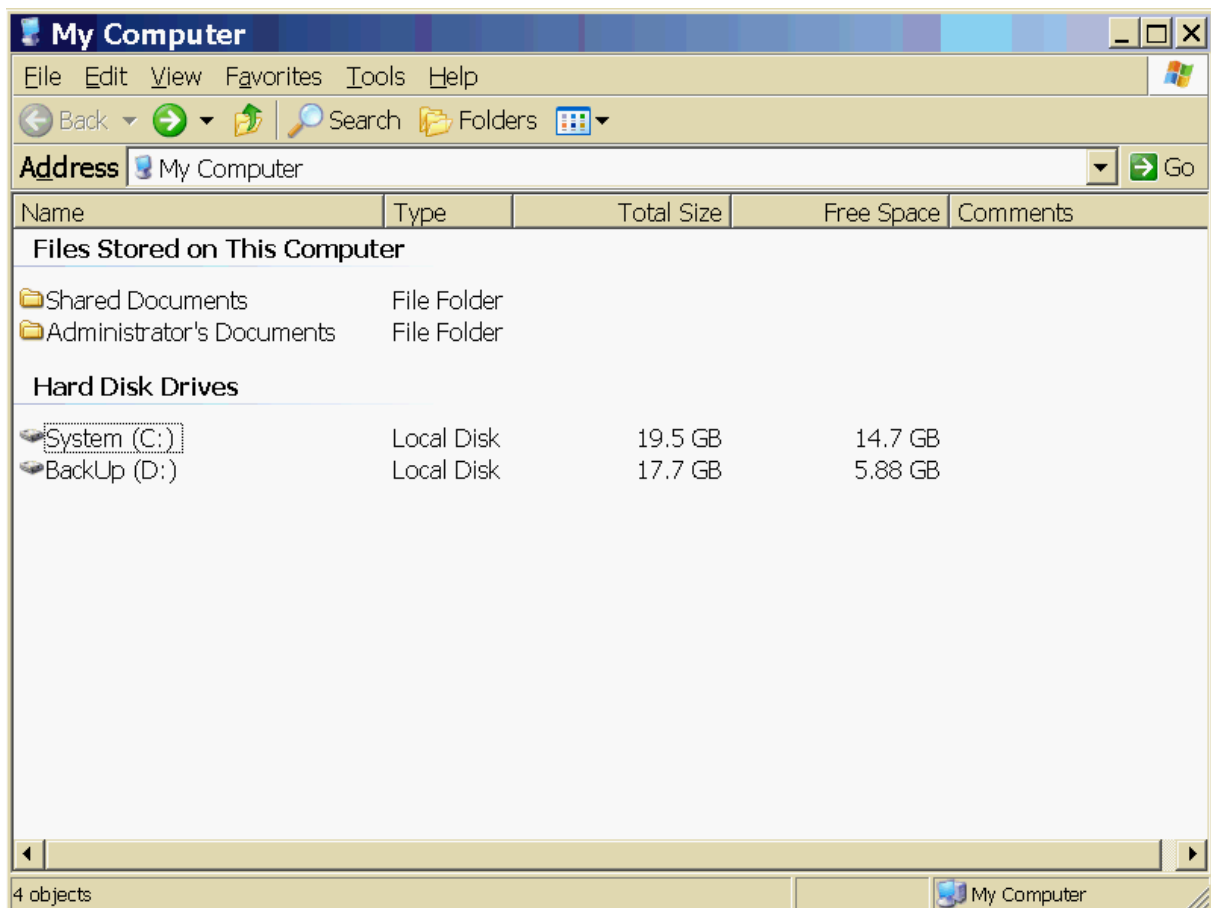
The bridge card runs a mini web server which allows the user to view some useful information through a web browser.

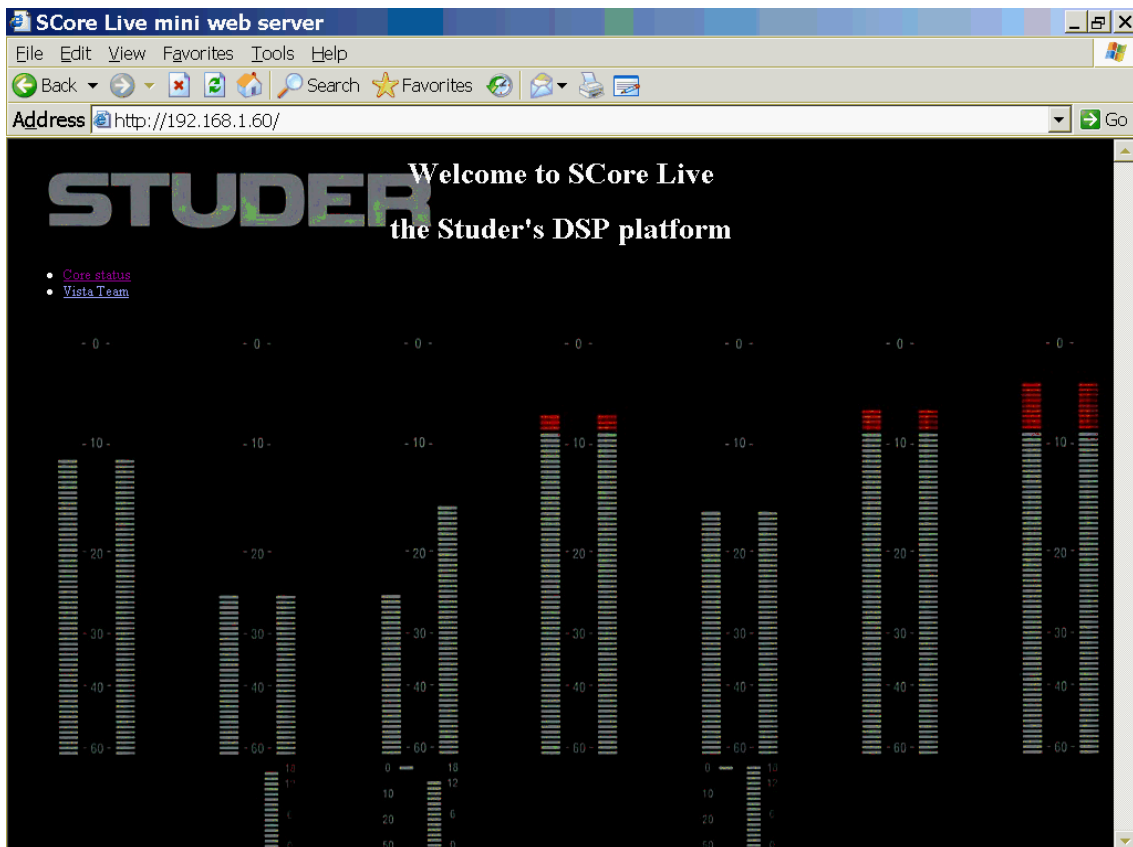
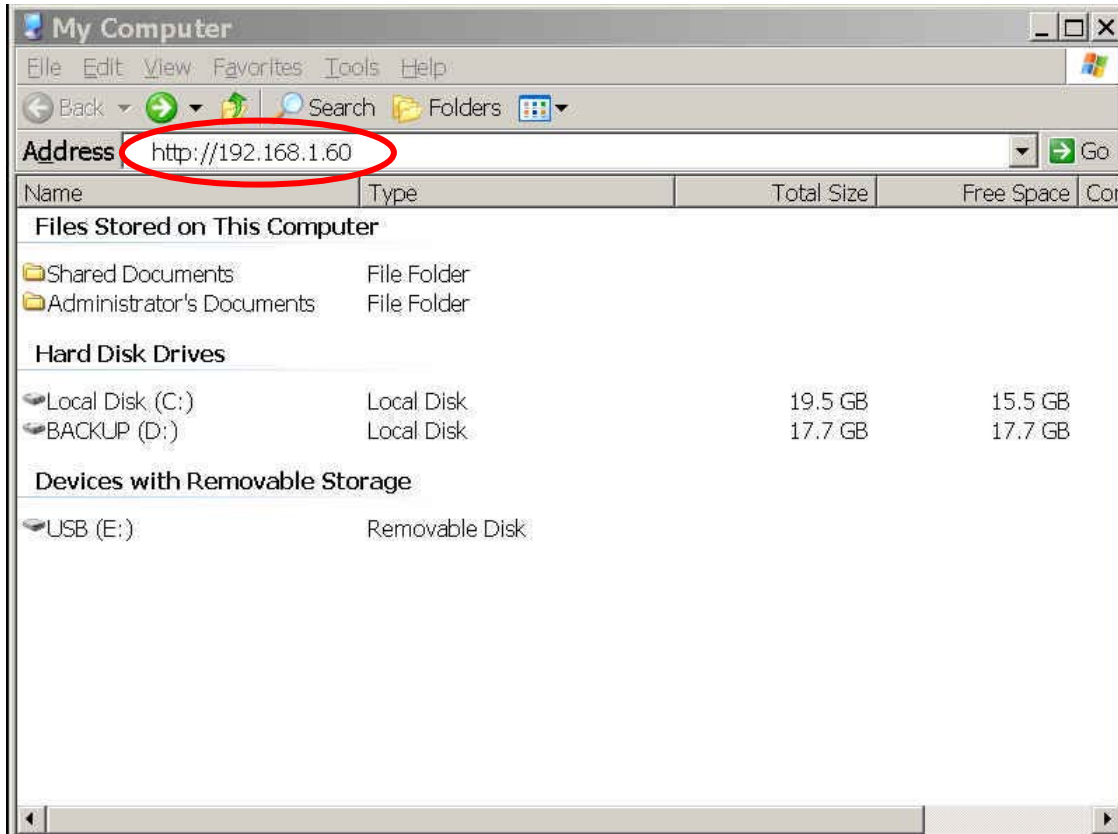
### 2. Bridge card's IP addresses

- Primary interface: 192.168.1.60
- Secondary Interface: 192.168.2.60

### 3. Connect to the bridge card's web server

1. Open an explorer
2. Enter IP address of the core (192.168.1.60) in the address bar and then press enter





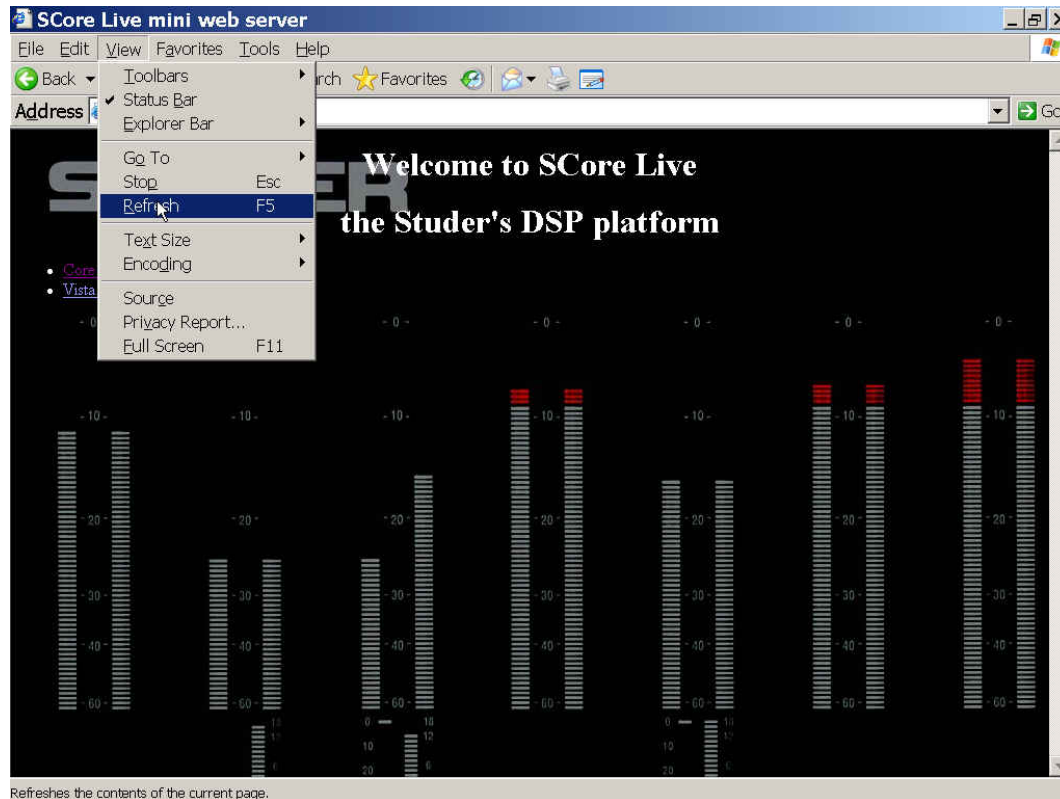
#### 4. Checking the link between the desk and the bridge card

It is possible to check from this window, whether the desk has established a working connection to the bridge card.

Click on **View** in the task list and click on **Refresh** (see picture below)

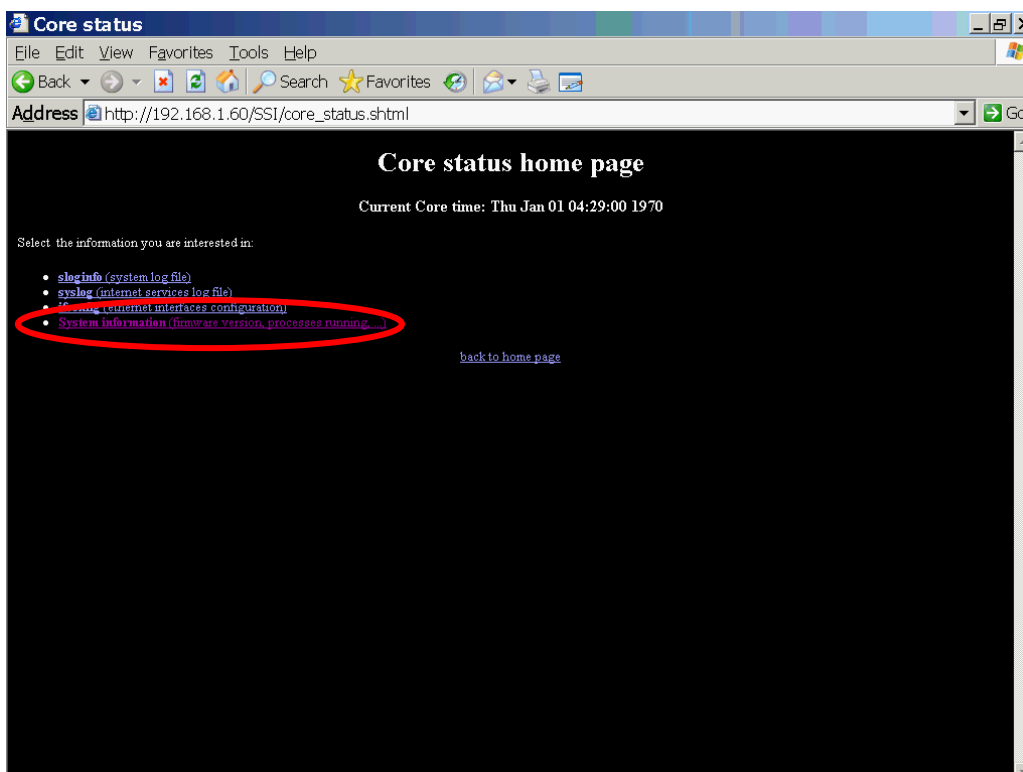
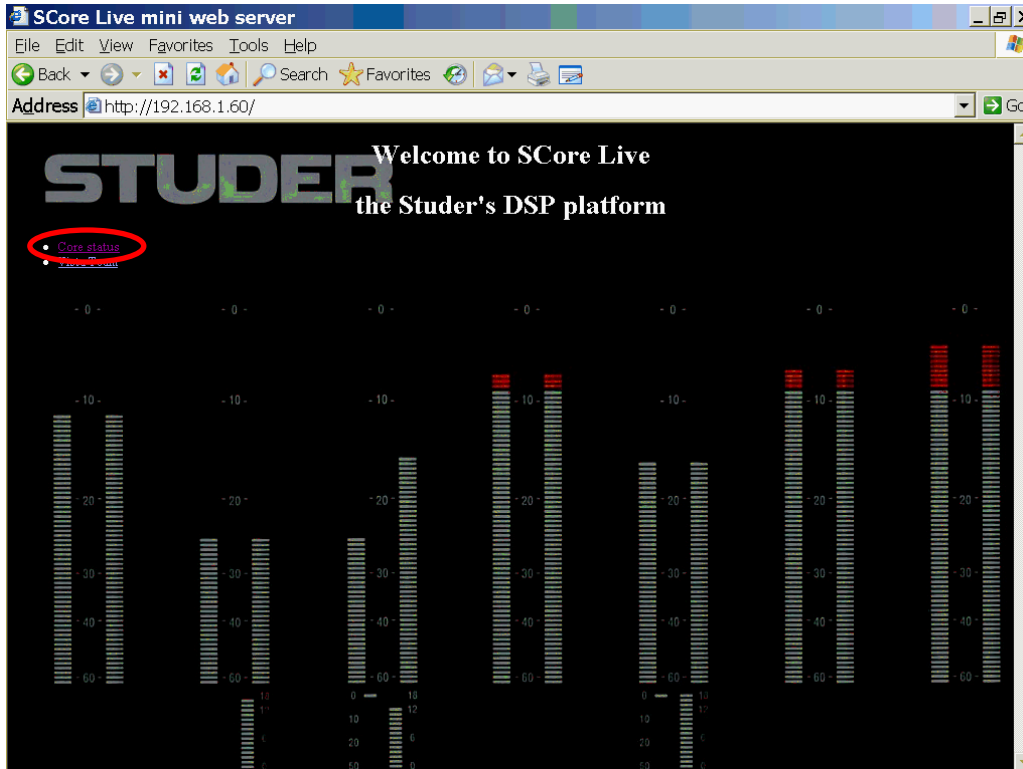
A working connection between the desk and the bridge card in the core is indicated by blanking out the display for a very short time.

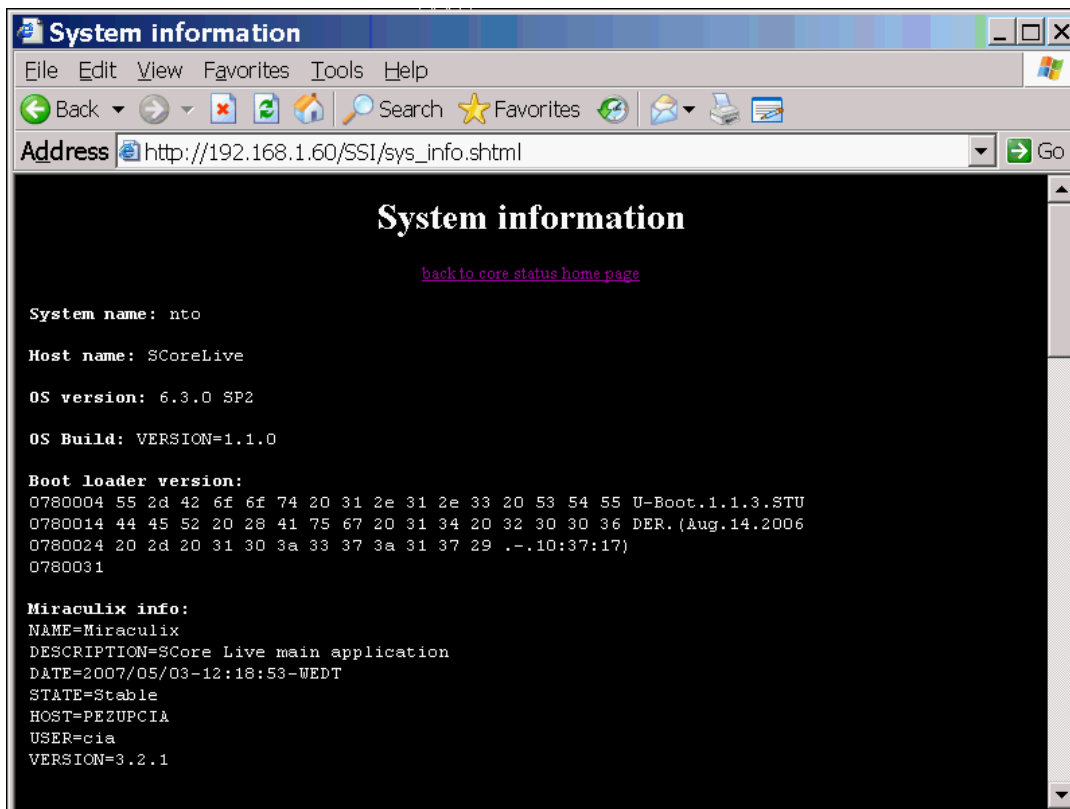
This is a very good trouble shooting feature for a fast check, whether there is communication between the desk and the core.



## 5. Reach the system information page

1. Click on the link: "Core status"
2. Click on the link: "System information"

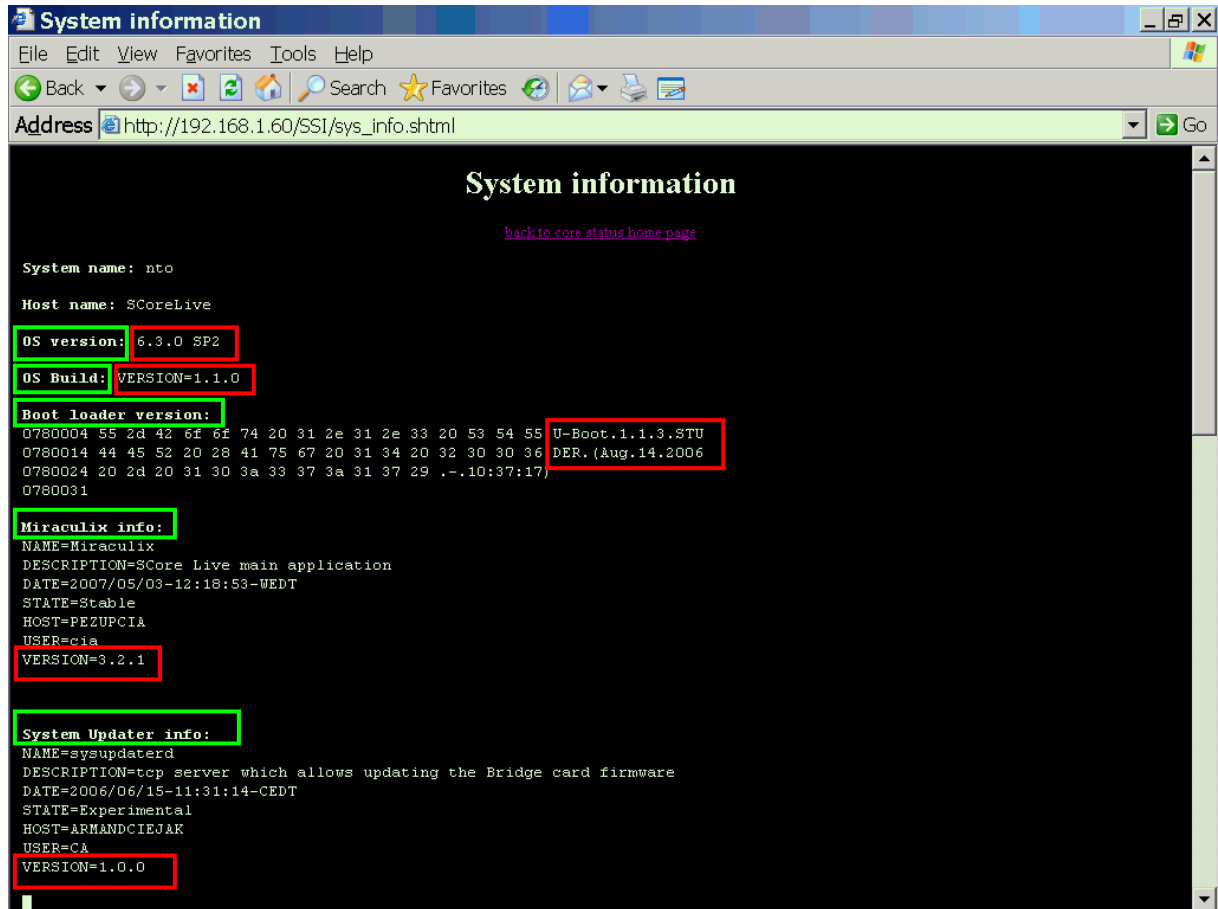




## 6. System Information page description

- **OS version:** version of the OS provided by QNX
- **OS built:** version of the OS built by Studer especially for the bridge card. Always based on the OS version provided by QNX
- **Boot loader:** responsible for the board's initialization after reset and then launches the OS
- **Miraculix:** responsible for the communication with the desk
- **System upgrader:** allows updating the bridge card's firmware

Note: To save the system information page select "save as" in the file menu



The screenshot shows a web browser window titled "System information" with the address bar containing "http://192.168.1.60/SSI/sys\_info.shtml". The main content area displays the following system information:

[back to core status home page](#)

System name: nto

Host name: SCoreLive

**OS version:** 6.3.0 SP2

**OS Build:** VERSION=1.1.0

**Boot loader version:**

```
0780004 55 2d 42 6f 6f 74 20 31 2e 31 2e 33 20 53 54 55 U-Boot.1.1.3.STU
0780014 44 45 52 20 28 41 75 67 20 31 34 20 32 30 30 36 DER. (Aug.14.2006
0780024 20 2d 20 31 30 3a 33 37 3a 31 37 29 .-.10:37:17)
0780031
```

**Miraculix info:**

```
NAME=Miraculix
DESCRIPTION=SCore Live main application
DATE=2007/05/03-12:18:53-WEDT
STATE=Stable
HOST=PEZUPCIA
USER=cia
VERSION=3.2.1
```

**System Updater info:**

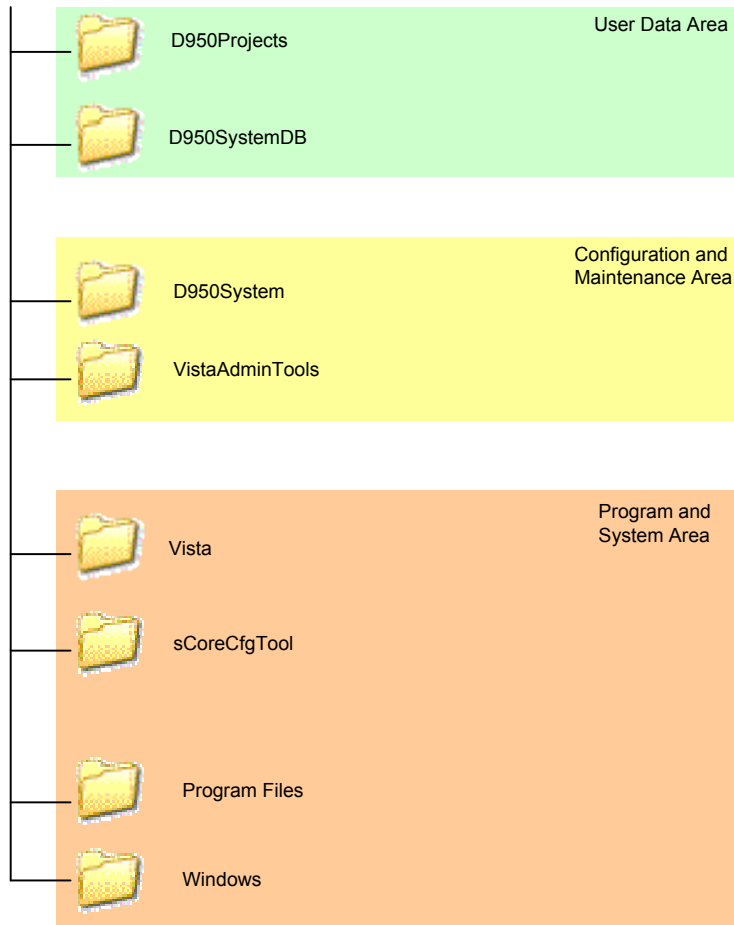
```
NAME=sysupdaterd
DESCRIPTION=tcp server which allows updating the Bridge card firmware
DATE=2006/06/15-11:31:14-CEDT
STATE=Experimental
HOST=ARMANDCIEJAK
USER=CA
VERSION=1.0.0
```

# Vista 5 File Structure

17/10/06 KS



Partition C:\



**D950 Projects**

Project1 .....

MyTitle1 .....

MyTitle1.snp	stores a snapshot when leaving the title upon shutdown or title change (start snapshot)
MyTitle1.xsnp	extension for additional Vista parameters of above snapshot
MyTitle1.snp.msk	holds a mask for above snapshot, making it a "partial" snapshot. Also includes the snapshot crossfade time of the corresponding snapshot.
MyTitle1.cue	stores all cue points (timecode markers) which are generated in that tile
MyTitle1.mon	stores last monitoring settings when leaving this title upon title change or shutdown of system.
MyTitle1.sig	stores specific GPIO settings such as faderstart and redlight definition of that specific title. (Definitions are done the the GC application.)
MyTitle1.tit	Stores title memo text, and which monitoring file will be loaded when opening this title.
MyTitle1.stp	historical file, no function (D950 pec/direct option, stem to paddle configuration)
MyTitle1.trk	historical file , no function (D950 pec/direct option, machine track list)
StandardStripSetup.xml	stores the strip setup. Standard name, if no other is given.
StandardStripSetup.usx	extension for Vista 8 user strip setup
MyStripSetup.xml	stores strip setup with user defined name. Currently used one is referenced in title.ini file
MyStripSetup.usx	extension for Vista 8 user strip setup (control bay)
MyTitle1.ini	stores all kind of information regarding this title: <ul style="list-style-type: none"> <li>- last active mix tree</li> <li>- last active strip setup</li> <li>- monitor meter assignments</li> <li>- whether red LED should indicate clipping or "entering headroom"</li> <li>- whether strip setup window shows interited labels</li> <li>- definition of channels which are save from muting when hitting "solo in place"</li> <li>- selected label type on second line of desk label display when leaving this title.</li> <li>- Selected mode PFL/SOLO/SIP when leaving this title.</li> </ul>

MyTitle1.cuelist

StaticAutomation.perf	stores global static automation options. Stored information: <ul style="list-style-type: none"> <li>- Crossfade switch position (beginning, during, after crossfade)</li> <li>- Default snapshot mask</li> <li>- Trim mode active</li> </ul>
-----------------------	--

mdesk1	directory contains all snapshots of a specific title.
--------	---

MySnapshot1.snp	stores all audio settings of a desk
MySnapshot1.xsnp	extension for additional Vista parameters of above snapshot
MySnapshot1.snp.msk	holds a mask for above snapshot, making it a "partial" snapshot. Also includes the snapshot crossfade time of the corresponding snapshot.

MySnapshot2 .....



<b>D950SystemDB</b>	Contains all configurations.
lastknownsession.INI	Stores information about last used configuration and title when closing the application software.
Config1 ....	This directory represents a configuration (named e.g. "Config1"), using a number of DSP cards to make a predefined console working. Two of the included files are needed in order to run the configuration on a real console: *.vmc and *.cor
Config1.VMC	This file describes the structure of the console and all its parameters
Config1.cor	This file contains the DSP code for the core
Config1.ckf	This is a text file, which can be opened e.g. with the windows "notepad" application. It contains information, which parts of the console are actually running on which DSP card. It includes copy of ConfigTool ini data and version of editor
Config1.cpt	sCore only : core patch table (parameter id's and address on backplane)
Config1.bcf	sCore only : backplane configuration file (binary)
Anyname.pre	This is a preset file, which stores the same information as a snapshot file. The difference is that this file is only accessible for reading for the normal user and that it exists per configuration (therefore is available across all titles belonging to one configuration). The system administrator has the access rights for creating, deleting or modifying a preset file.
__DeviceLabels.pre	This is preset file with a reserved name. It has the format of a standard preset file and contains basically the same information. If the option "Use Device Labels" is switched on, this file gets read – with its patch USER labels interpreted as DEVICE LABELS. This happens whenever a title is opened. This means: When opening a title with the device label option activated the USER label of this file will overwrite the INHERITED labels (device labels) of the opened title
Old	holds the previous version of the vmc/cor files
Config1.*	

<b>D950System</b>	Vista Program folder, no user access
D21ConnectionDescription.ini	describes D21 connection setup (COM ports and hub relation)
D21HardwareDescription.ini	describes D21 hardware setup (detected D21 hubs and card addresses)
GlobalSnapshot.snp	file set to store data of the global snapshot mask
GlobalSnapshot.snp.msk	
MonResources.ini	monitoring library, no user access !
MonVistaAnyname1.ini	monitoring file, defining CR monitoring format, Studio A/B, Digital Insert, software popup extension for source selectors as well as the definition of the source selectors and their sources. DIM level is also specified in this file. There can be various versions of this file. Each title remembers which file was loaded when it was closed last.
MonVistaTemplate_Digital.ini	template for monitoring file (MonVistaTemplate_D21m for Performa Core systems)
shutdown.pfc	stores last preferences such as positions of windows, position of toolbar etc. This file also stores the names (!) of interface subclasses! Included are also: TC offsets and reader settings, setting of "Auto Select" in General Patch targets, device label option settings and (on D950 only) setting of GC multidesk group if present. This file may exist multiple times with user names and the ending .pfc. Since Shutdown.pfc gets overwritten everytime the application is quit, it is wise to keep a version of it with user preferences under a special name. signalling file, contains definitions of GPI/O, DIM logic and remote controllable TALK and MUTE keys.
shutdown.mon	stores the last settings of the monitoring when shutting down application software.
SigVista.ini	signalling file, contains definitions of GPI/O, DIM logic and remote controllable TALK and MUTE keys.
SigVistaTemplate_Digital.ini	template file for SigVista.ini file (SigVistaTemplate for Performa Core systems)
StaticAutomation.ini	stores global static automation options. Stored information: - Crossfade switch position (beginning, during, afer crossfade) - Default snapshot mask - Trim mode active
Vista.ini	holds information, which are specific to that desk, independent of titles etc. This file must not be edited manually. All information is stored by the application software (setup menus). Stored information: - Duration for detection of momentary key activation - Timeout for operations with multiple steps (e.g. copy/paste) - Jog and shuttle sensitivity - Headroom of meters. (Where does the headroom indication start.) - Peak hold state with threshold setting - Overload hold state - State of use of monitoring keys as PEC/DIR switching
Portn.probel	includes setup data from the Router Label Exchange function (n=system port no)
RouterConfiguration.ini	includes mapping setup data from the internal Router control feature
D950system.log	log file (Application related information, for service purposes)
Vista.log	log file (Vista start stop related information, for service purposes)
MONCONFIG.DUMP	snapshot of current monitoring HW status, generated from Admin/Monitoring menu
Errorxxxx.txt	Error files (with date and time of error event, xx=yyyy.mm.dd hh.mm)
<b>Users</b>	Contains various subdirectories. Each directory represents one user and his option files and maybe his individual clipboard libraries.
DefaultClipboardLib	Contains multiple sets of clipboard settings for copying into channels. This directory may also be located within the directory of an individual user, depending on where the operator decided to store the library.
MyClipboard1.cpy	clipboard file storing clipboard data. The following data or combinations of them may be contained within one file: EQ, Filters, Dynamics, Pan, Delay or even a complete channel
MyClipboard2.cpy	
User_X	Contains various mix option files and can also contain clipboard libraries
MyClipboardX1.cpy	clipboard file storing clipboard data
MyClipboardX2.cpy	
....	

**VistaAdminTools**

VistaMouseLoader.exe	Utility to restrict mouse range to main screen. Is started from Windows startup folder.
VistaMouse.dll	Used from Vista MouseLoader
Build USB Boot	BartPE boot system builder, no user access
Drivers Vista 5	Vista 5 HW drivers
MIDI	
VSTusb V1.2	
NetworkAdapters	Network Analysis
GetAdaptersInfo.exe	get info about installed network adapters
Update Tools	
BridgeUpdate	Service Tools for sCore
SystemUpgrader.exe	Service Utility for sCore Upgrade
Update.zip	ZIP Archive with sCore download data, used by SystemUpgrader
DeskUpdate	Service Tools for Vista Desk
Vfwupd.exe	Utility for downloading firmware into Vista desk. Checks for newest version of mvDosxx.H86, Lorigrafxx.ttf in the same directory, verifies currently loaded firmware and manages download.
VTest.exe	Tool to check functionality of Vista desk hardware as well as calibrate faders and/or joysticks
Lorigrafxx.ttf	Downloadable firmware file for Vista 5 (xx specifies version number)
mvDosxx.H86	Downloadable firmware file for Vista 5 (xx specifies version number)

**Vista**

	Vista program folder, no user access
bin_release	
system	contains main application "d950system.exe"
XML	

**sCoreCfgTool**

	sCore Config Editor folder (optional)
sCoreCfgTool.exe	Editor application
sCoreCfgTool.ini	Configuration settings
CoreFunc_10003.lib	Libraries
xRTOSpm_10001.dlb	
xRTOSProPm32.ldf	
xRTOSProPm40.ldf	
LogFile.txt	Editor logfile
source	Editor parameter files, no user access !
161_hdr.asm	
161_host.asm	
def21161.h	
globalDefines.h	
sharcmm.h	
vmcConst.h	
tmp	
ErrFile.txt	

**Windows**

D950system.ini	Global Vista configuration files (text file, details see comments in file)
.....	

**Program Files**

Analog Devices	Development environment for Configuration Editor (optional)
Image for Windows	Application for generating and restoring disk images
Matrox Graphics Inc	Graphic Card Utilities
SpeedFan	Fan Monitoring Utility
Windows NT	
-----	