6 TR-AS® RC control setup with WinTR-AS®:

6.1 Putting into Operation:

The control-software for using TR-AS® Systems is an own remote-control software for direct controlling of the TR-AS® hardware called “TR-AS RC”.

This server software (usually) is already installed on the TR-AS® RC system and can be used with WinTR-AS® as control and evaluation software (in a special mode).

Please use below described options (which are only related to the WinTR-AS® remote control software mode):

The RC-system uses automatic login with following credentials :
Loginname: TRASRC
Password: TRASRC

6.2 TRAS-RC PC-Settings:

BIOS:

ATX-power:	enabled
Supervisor password:	TRAS
Keyboard	absent

The TR-AS® RC measuring system has following network-parameters:

Netbios name	TRASRC-xyz	(xyz = S/N, refer to front plate)
IP-address :	192.168.xxx.yyy	(refer to front plate)
Subnetmask :	255.255.255.0	

6.3 Installation of WinTR-AS® control software for control notebook (computer) :

A usual WinTR-AS® installation can be used, but there is the need for a special keydisk to access the TR-AS® RC system. This disk will be provided with the installation media (WinTR-AS®) in a special folder called “TRAS-RC # [serial no]”. Also there is for re-installation another folder which contains the remote-control software called “TRAS-RC software”. This includes for reinstallation a

copy of the UltraVNC software (which is also pre-installed for accessing the RC-system for service).

6.3.1 Necessary settings (hints if problems occur) :

- Both systems (control pc and TRAS-RC) should have an IP-address in same address range (TRAS-RC uses as default 192.168.0.xx range {units before year 2010 used 192.168.10.xx range} with 255.255.255.0 subnet mask [24]). The actual default ip-address of the RC-system is always printed on the front
- Both systems should (if necessary for your company network) use same DNS and Gateway settings (if using that kind of network parameters)
- If static IP-addressing is used, you can add a line to your HOSTS file (can be found in {windows-folder} \ SYSTEM32 \ DRIVERS \ ETC \ ) with your TRAS-RC's IP and its hostname. This is only for easier use

6.3.2 If you cannot connect to your TRAS-RC :

- Try to send a ping (within command shell)
- Do you use a software firewall on your control pc (which doesn't permit access to network from the server-software)? This can also be caused from Windows® Firewall (built-in since Windows XP with Service Pack 2). If using a firewall please consider to let following port open and traffic passing without any blocking :
  port 8076 outgong from control pc to the RC-system
  port 8077 incoming to control pc

There are the options :

- log in — with this option the connection can be (re-)established
- log out — to close the connection to RC-system
- reset — to reset the RC-system (e.g. if a connection error occurred
- power off — to close the connection and shutdown the RC-system

7 TR-AS® RC control setup with (Ultra)VNC:

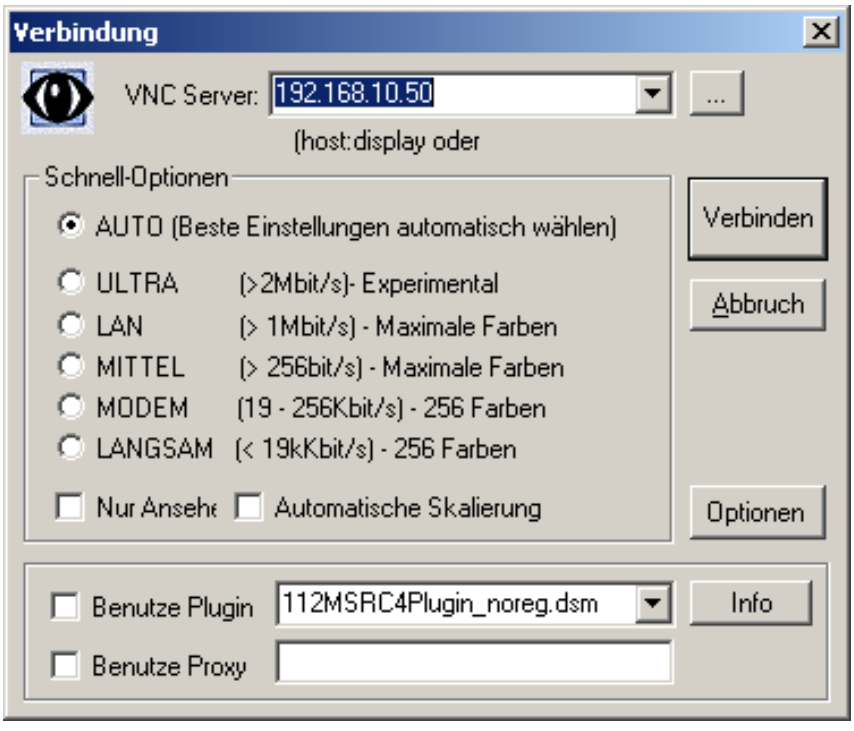
The control-software for using TR-AS® system is “UltraVNC” (VNC means “virtual network computing”). The server software is already installed on the both computers (TR-AS® RC and control notebook). From now on in all descriptions following semantic is used :

TR-AS® RC computer = measuring system, which is controlled via local network (using UltraVNC server software)

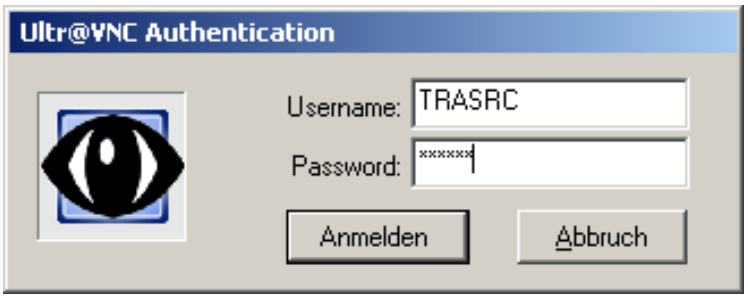
Control computer = notebook, which control the above mentioned measuring system via local network (and uses the client software of UltraVNC).

Please use below described settings for VNC-software

If not existing, add remote computer: “trasrc-679” or his IP-Address “192.168.10.50”



Loginname: TRASRC
Password: TRASRC



7.1.1 TR-AS® RC PC-Settings:

BIOS:

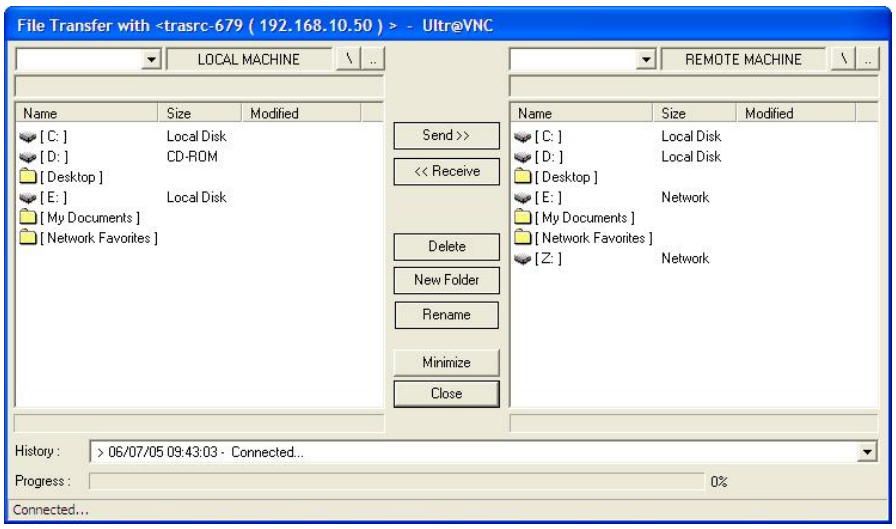
ATX-power:	enabled
Supervisor password:	TRAS
Keyboard	absent

The functions also available in Client-software :

A	B	C	D	E	F	G	H	I	J	K	L	M	N

A. Send “Ctrl-Alt-Del” to measuring system (computer)
B. Toggle fullscreen mode (On/Off)
C. Show connection options
D. Refresh screen
E. Send ‘Start’ (Ctrl-Esc) { Windows Start -key} to measuring system (computer)
F. Send a custom key to measuring system (computer)
G. Show Status window of connection between control computer and measuring system
H. Close the connection
I. Hide toolbar buttons
J. Toggle between ‘Remote Input’ and ‘Blank Screen’
K. Open “file transfer”-window
L. Select single window
M. Select full desktop
N. Open “chat window”

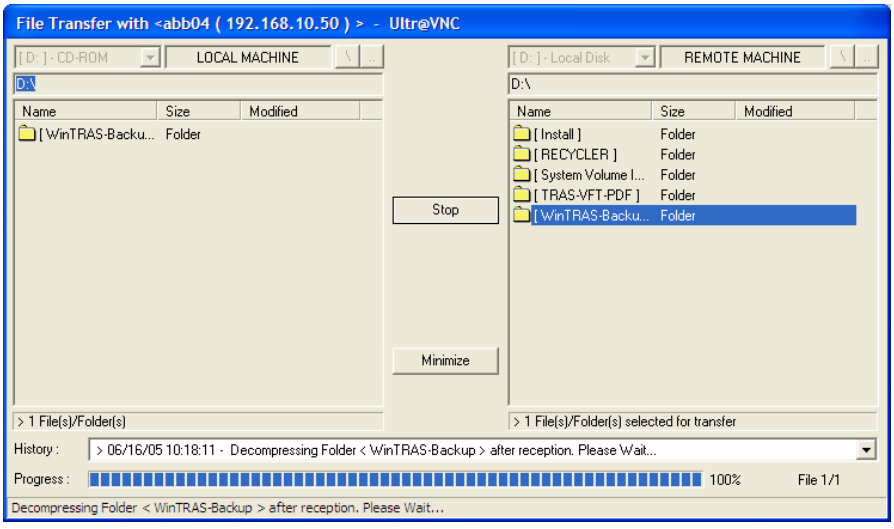
7.1.2 File transfer between control computer and measuring system:



When opening this window, you can see all disk drives of both computers, in left part of control computer, in right part of the measuring system.

For example, if you need to copy files from WinTR-AS® directory of measuring system to your control computer, so you will select in right part of the window “c:\program files\dr.strauss\wintras” (which represents the WinTR-AS® directory”) as the source and in left part a directory located on the control computer (e.g. “d:\files”) as target.

Then you click on “receive” and the content of the source folder will be copied to the target on the control pc.



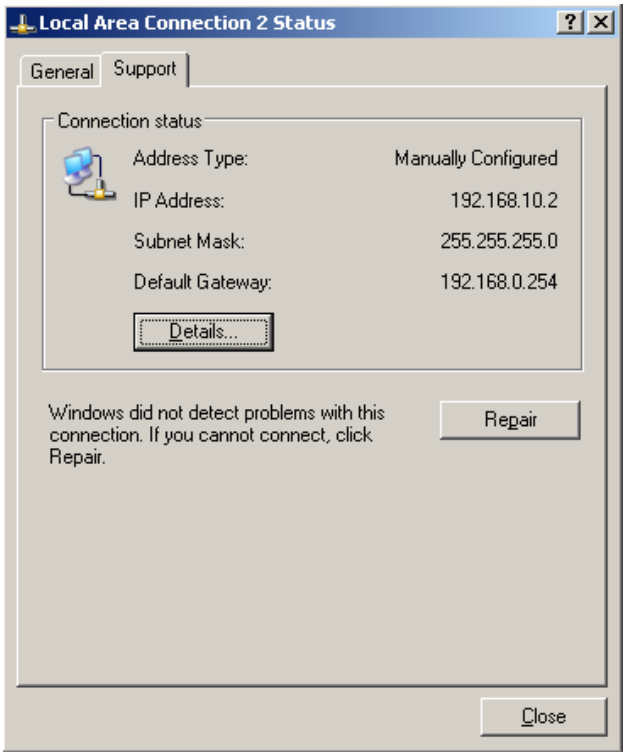
In case the so-called “Autobackup-path” was set to “D:\WinTRAS-Backup” at the TR-AS® RC e.g. the complete directory “WinTRAS-Backup” with all measuring results from the TR-AS® RC is copied by the “<<Receive”-command to a CD at the CD-RW drive D: at the Laptop PC.

In case the path was set to the Laptop-PC’s E:\DATA-REPORTS\WinTRASBackup this copy-operation is not neccesary.

7.1.3 Connection Check

How did you configure your control computer (the one which uses the Ultra-VNC client software)?

Is it configured to use the same IP address range as the digitizer uses (192.168.10.xx with subnet mask 255.255.255.0) ? If you are using something like a DHCP server to get a IP-address for your control computer this can possibly be the problem's reason.

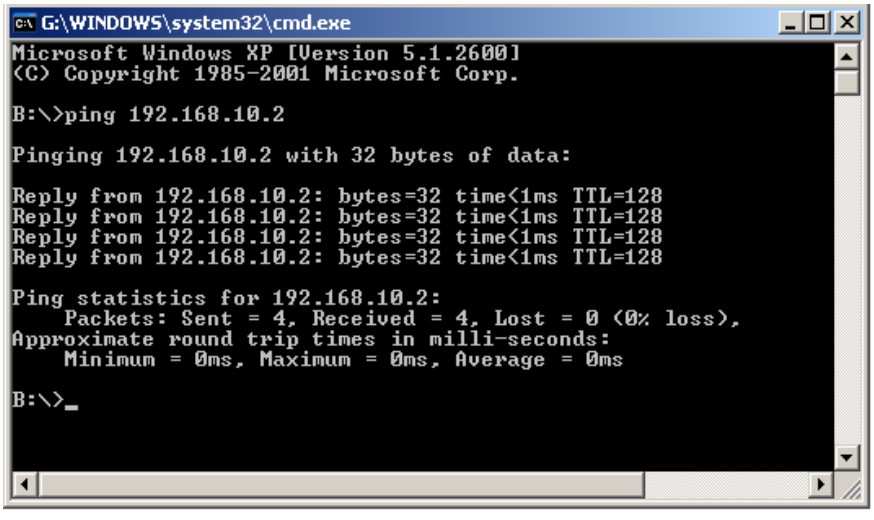


You can see which IP-address was configured when looking in the network interface's properties ("control panel" ->"network connections"

-> the used network interface called "Local Area Connection"). You should see after double click to this icon following dialogue :

Only IP-Address and Subnet Mask are essential from this dialogue, if it is not looking similar like this you (or your network administrator) have to change the IP configuration of the control pc.

If you did so (or the system was already configured like that), please try following :



"START" -> "Run" ->type "cmd", a command shell will start and please type:

ping 192.168.10.x

(with x = the digitizers IP-address). You should get a response like "reply from 192.168.10.x: bytes =...."

If this also won't work

please check the cabling between digitizer and your control computer.

If all will not work :

The system has service connectors at back side. Please disassemble the rear panel of the measuring case, now you can see female connectors for VGA and keyboard/mouse. This can be used for checking condition of the system.

ATTTENTION : While using this system without rear panel and connected to VGA, mouse and keyboard, no high-voltage impulse may be applied for measurement !!!

We give no guarantee for damages to the system if working in this condition. It should only be used for configuration of the digitizer if it is in unconditional state

Now you can check the IP-configuration of the measuring system itself like I described above.