

### General

Visual VEGA 5.30 is available in the versions "*Visual VEGA LT*" and "*Visual VEGA Pro*". The *LT* version can display a maximum of 16 measurement loops, *Visual VEGA Pro* can manage an unlimited number of measurement loops. Apart from that the functionality is identical, both versions are network-capable and can send e-mails, SMS and faxes, export measured values and enquire them via VEGACOM558 through Ethernet.

In a network installation, it is differentiated between the Host-PC and Client-PCs. The Host-PC reads in measured values via a direct RS-232 connection, via modem, via network or via E-mail and makes them available to all clients. Sending of e-mail, fax and SMS as well as exporting of data is configured on the Host-PC.

For licensing you will receive a software product note with serial and license number. As an alternative, dongles for previous Visual VEGA versions are identified. Without licensing, Visual VEGA is only running in the demonstration mode.

For an easy installation of Visual VEGA some requirements should be checked before starting the installation. These items are listed in the "**Checklist Visual VEGA Installation**".

### Installing the Host

First of all Visual VEGA should be installed on the Host-PC. Please note the requirements in the above mentioned checklist. Before installing, all open programs should be quit. Make sure that you have administrator rights. Insert the CD, the installation program is started automatically. If the CD is not started automatically, it is possible to start the installation with a double click on the file "**autorun.exe**". Select the requested program parts and execute the installation as predefined by the installation assistant. The Microsoft SQL Server (MSDE) is installed automatically.

### Configuring the Host

After starting Visual VEGA for the first time, please select in the following window the program version "*Host Version*". Here, you can also set the standard directory for Visual VEGA and the filing of measured values. Generally, these standard settings should remain unchanged.

In the displayed login, please select "*Planning*" and enter for "*Name*" and "*Password*" in each case VEGA.

Now create a Visual VEGA configuration under the menu item "*Configuration – New*". Please follow the instructions of the configuration assistant.

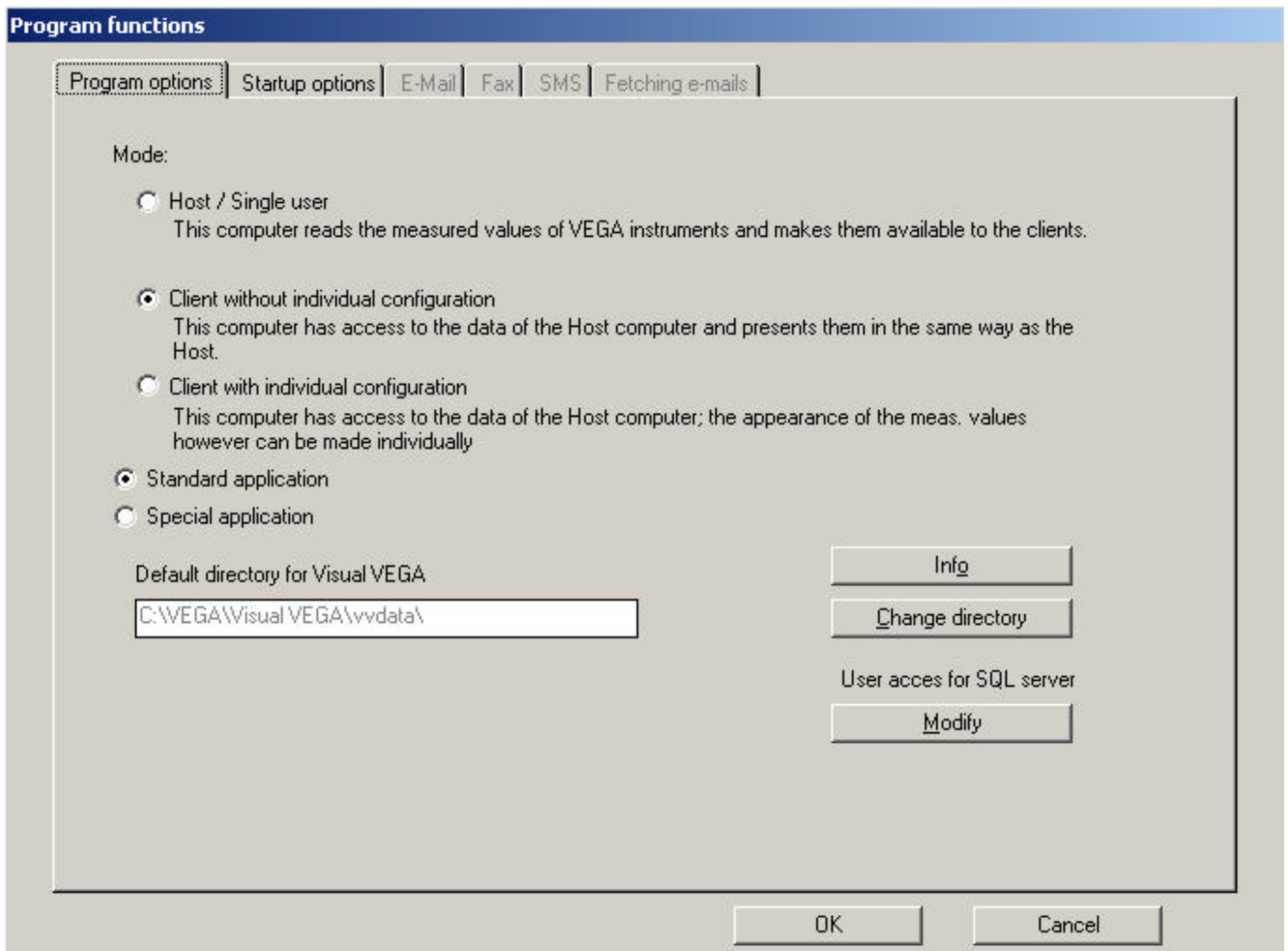
Please note the selected configuration name. Furthermore the Windows name of this Host PC or its IP address is required for a later Client installation. You will find this information in Windows under "*System properties*" or "*My network places*".

### Installing the Client

After the Host configuration, the installation of the Client is made in the same way as for the Host-PC. Keep in mind that all Visual VEGA installations are carried out with the **same software version**. For example, a Visual VEGA Client 5.20 has no access to a host with version 5.30

## Configuring the Client

When starting Visual VEGA for the first time, the window Program functions is displayed. For the Client computer the following settings should be applied.



### **Client version without individual configuration**

Please choose "Client without individual configuration", because here the configuration volume is not so comprehensive. Also a probable extension and maintenance of the system with several Clients will be more easier.

### **Default directory for Visual VEGA:**

Here, you can set the default directory for Visual VEGA and the filing of measured values. Generally the standard settings should remain unchanged.

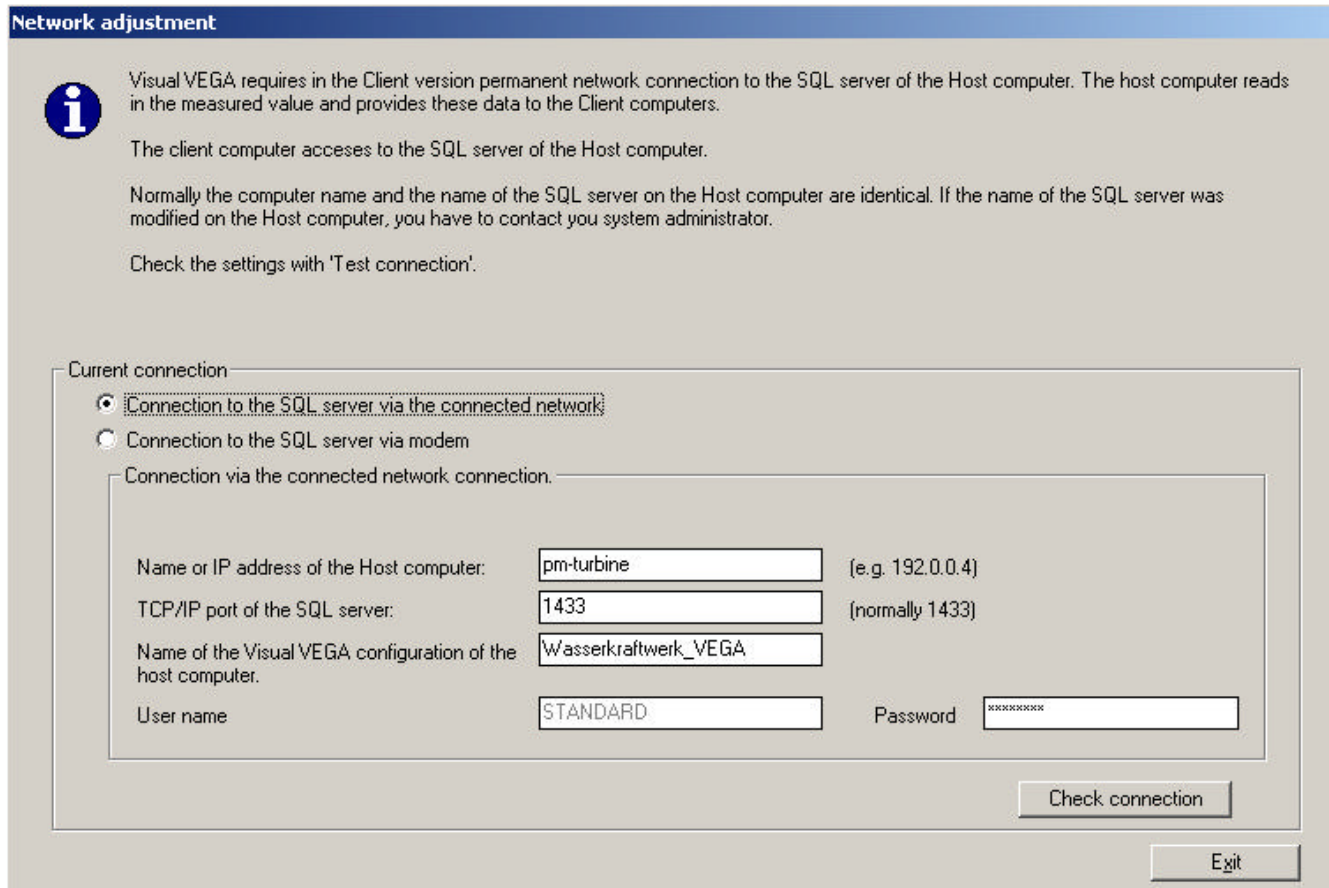
All other setting are only for special applications and should remain unchanged.

## Visual VEGA network installation

### Configuration of the Visual VEGA Client

Now generate your Visual VEGA configuration under the menu item "**Configuration – New**". Follow the instructions of the configuration assistant.

The following settings are enquired when using the configuration assistant or can be modified afterwards under "**Configuration – Network adjustment**".



**Network adjustment**

Visual VEGA requires in the Client version permanent network connection to the SQL server of the Host computer. The host computer reads in the measured value and provides these data to the Client computers.

The client computer accesses to the SQL server of the Host computer.

Normally the computer name and the name of the SQL server on the Host computer are identical. If the name of the SQL server was modified on the Host computer, you have to contact you system administrator.

Check the settings with 'Test connection'.

Current connection

Connection to the SQL server via the connected network

Connection to the SQL server via modem

Connection via the connected network connection.

Name or IP address of the Host computer:  (e.g. 192.0.0.4)

TCP/IP port of the SQL server:  (normally 1433)

Name of the Visual VEGA configuration of the host computer.

User name  Password

#### **Name or IP address of the Host computer**

In the field "*Name or IP address of the Host Computer*" you should enter the previously noted computer name of the Host PC or its IP address.

#### **Port**

The TCP/IP *Port* 1433 is preset and should remain unchanged.

#### **Configuration of the Host computer**

In the field "*Name of the Visual VEGA Configuration of the Host computer*", the configuration name selected during the Host configuration must be entered. If the configuration name consists of several words, it is necessary to enter this name with the obligatory underline.

#### **User name / Password**

In the field "*User name*" the "STANDARD" user is preset. This user is generally available with each Host installation and cannot be deleted. All measurement loops are assigned automatically to this user. A Client without individual configuration gets the measured values exclusively from the standard user. Therefore no other user can be entered under "*User name*". As password, "standard" must be entered as far as this was not changed under the user administration of the Host-PC.

#### **Testing the connection**

To check all settings, push the button "*Check connection*". The message: "*Testing of the connection was successful*" should be displayed. If the Host computer was not found, the message: "*The access to the SQL Server of the Host Computers is not possible*" is displayed. This can be the reason:

- Name of the Host-PC is not correct
- The Host-PC is not switched on or not ready for operation
- One of the two PCs has no operating network connection

## Visual VEGA network installation

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- The name server of the network is too slow -> enter IP address instead of the computer name
- Network is divided into different segments
- Firewall prevents access (see following chapter)

If the message: *"The access to the current configuration xxx is not possible"* is displayed, the configuration name of the Host and the Client does not correspond.

If the message: *"User is not authorised"* is displayed, the password or the user name is wrong.

Now continue to follow the communication assistant. After having made all these settings, the clients can now retrieve the data from the host PC.

### Problems together with a Firewall

As from mid of August 2004 the Service Pack 2 (SP2) is available for Windows XP. This Windows update from Microsoft which is free of charge removes a lot of errors and safety gaps and adds new functions and programs. New PCs with preinstalled Windows XP encompass this Service Pack also.

One component of SP2 is a new Windows Firewall which blocks up all incoming connections (Internet and privat network connections) by default.

In case of Visual VEGA network installation, all clients access the Host-PC and poll its measurement values and settings. The Windows Firewall blocks up this access on the Host-PC now, as it is still without information, whether this access is safe or desired by the customer. Therefore the default settings of the firewall have to be adjusted.

For Visual VEGA (from version 5.00) the enquiry of the measured value is carried out via Port 1433 of the Microsoft SQL Server (MSDE Service Manager). This Port Number and the desired name for this exception have to be entered in the Windows Firewall of the Host-PC. The Windows Firewall is accessible in *"Control Panel"* under *"Security Center"*. Normally the configuration is carried out by the network administrator due to the fact that these are safety-relevant settings and administrator authorisation is required.

At the present stage this problem only concerns the Visual VEGA Clients which are installed on PCs with Windows XP SP2 and activated Firewall. The exception of the Firewall rules must be entered on the Host-PC, as the Host-PC does not grant access of the Clients.

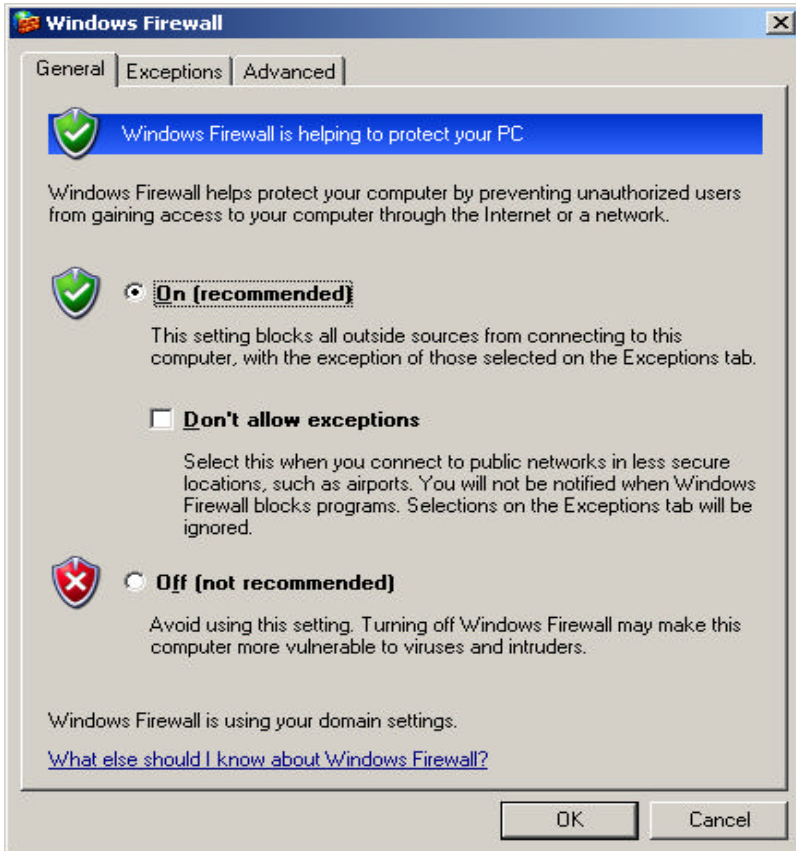
When using a Firewall of third suppliers the same effects may occur if Port 1433 is blocked. This may concern other Windows operating systems also as well as the Clients.

If Clients cannot access, the Firewall may be deactivated for a short period, in order to check if this is the source of error. If so, please change the firewall settings as described previously. As the Firewall prevents virus attacks and Trojan horses it should not be deactivated on a continuing basis. In general please contact the responsible network administrator.

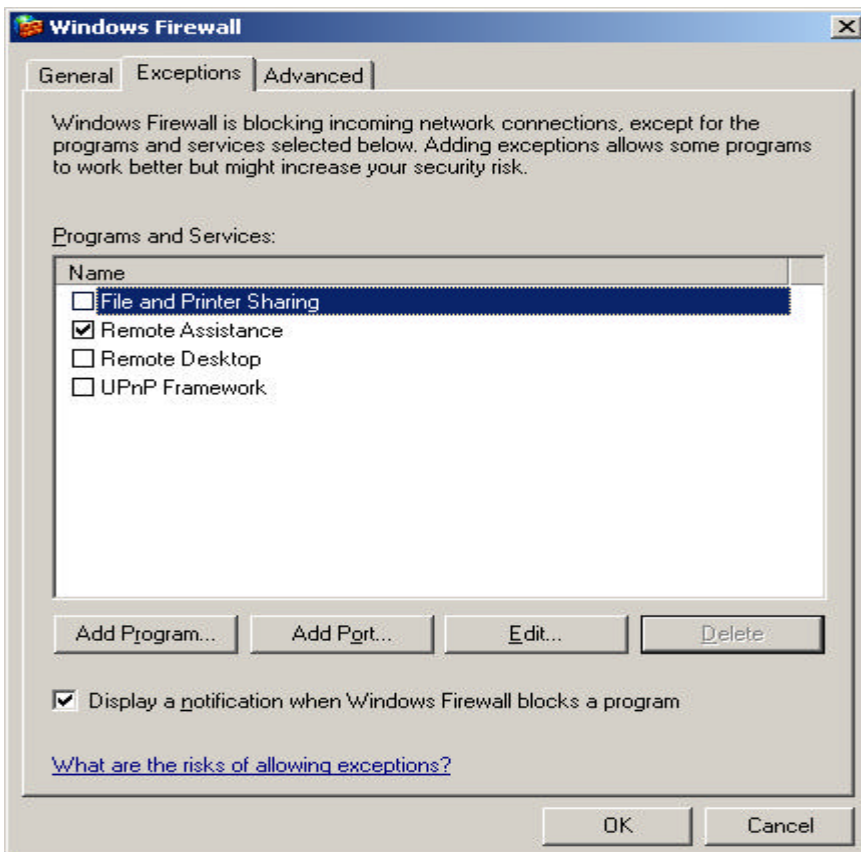
### Configuration of the Windows Firewall

Select under *"Start – Settings – Control Panel"* the *"Security Center"* an. This Security Center encompasses all safety-relevant programs and settings, even virus scanners and Firewalls of third suppliers. Under *"Windows Firewall"* you may activate or deactivate the Firewall.

## Visual VEGA network installation

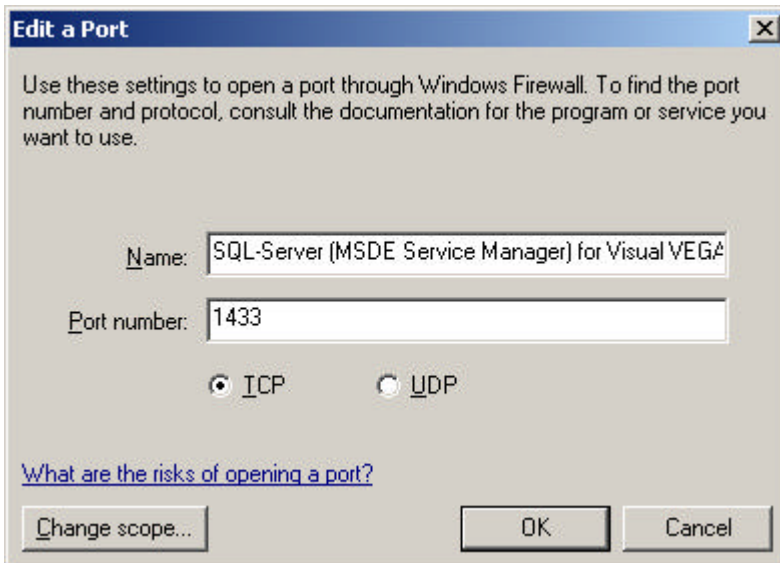


Deactivate the Firewall on the Host-PC for a short time and try again on the Client to connect to the Host. If you are successful activate the Firewall again and select "Exceptions".



## Visual VEGA network installation

After selecting the button „Add Port“ enter „Name“ and „Port number“ as illustrated below. The name can be individually selected, Port 1433 is mandatory. Select the option „My network (subnet) only“ under „Change Scope“.



**Edit a Port**

Use these settings to open a port through Windows Firewall. To find the port number and protocol, consult the documentation for the program or service you want to use.

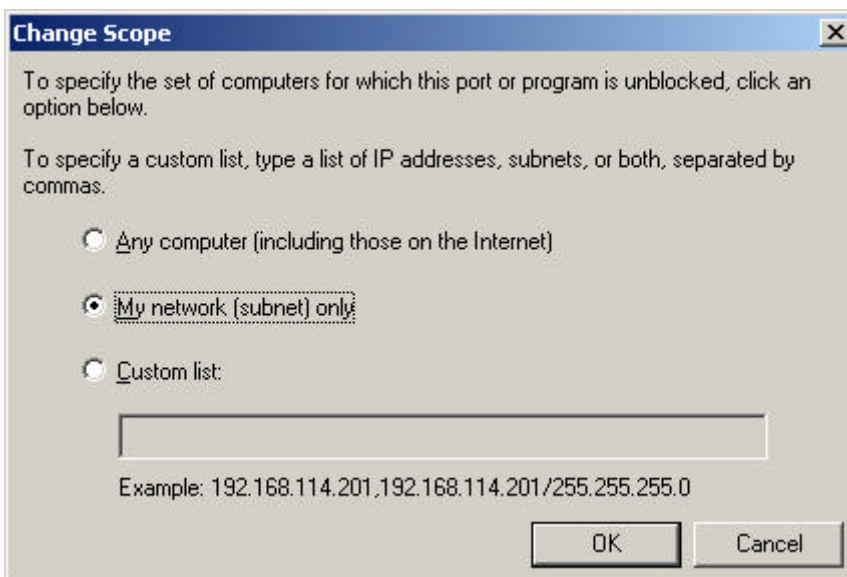
Name: SQL-Server (MSDE Service Manager) for Visual VEGA

Port number: 1433

ICP     UDP

[What are the risks of opening a port?](#)

Change scope...    OK    Cancel



**Change Scope**

To specify the set of computers for which this port or program is unblocked, click an option below.

To specify a custom list, type a list of IP addresses, subnets, or both, separated by commas.

Any computer (including those on the Internet)

My network (subnet) only

Custom list:

Example: 192.168.114.201,192.168.114.201/255.255.255.0

OK    Cancel