



## Remote Access (FTP and VNC) in iX Developer 2.0

KI00314 2013-02

### 1 Function and area of use

This document explains how to set up Remote Access in iX Developer 2.0.

When **FTP** is enabled, it is possible to upload/download files to/from the operator panel provided that there is an FTP client program in the PC, e.g. Internet Explorer, Windows Commander or some other standard FTP program.

The **Remote Access** function makes it possible to access, reflect and control an operator panel from a PC by using the free VNC client program Remote Access Viewer together with the built-in VNC server in the operator panel.

Software requirements:

- iX Developer 2.0
- Remote Access Viewer
- FTP-Client

Hardware requirements:

- iX-Panel

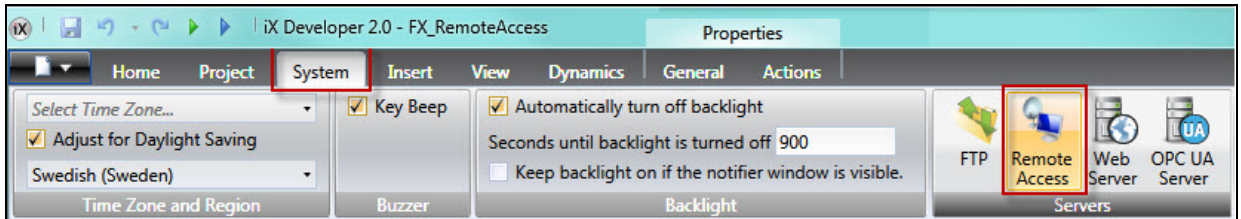
### 2 About this Start-Up document

This Start Up document should not be considered as a complete manual. It is an aid to be able to start up a normal application quickly and easily. For further information we refer to the manual for iX Developer 2.0. This document and other Start Up documents can be obtained from your closest distributor of operator terminals.

Please use the address *manual@beijer.se* for feedback on our Start Up documents.

### 3 Set up Remote Access in iX Developer 2.0

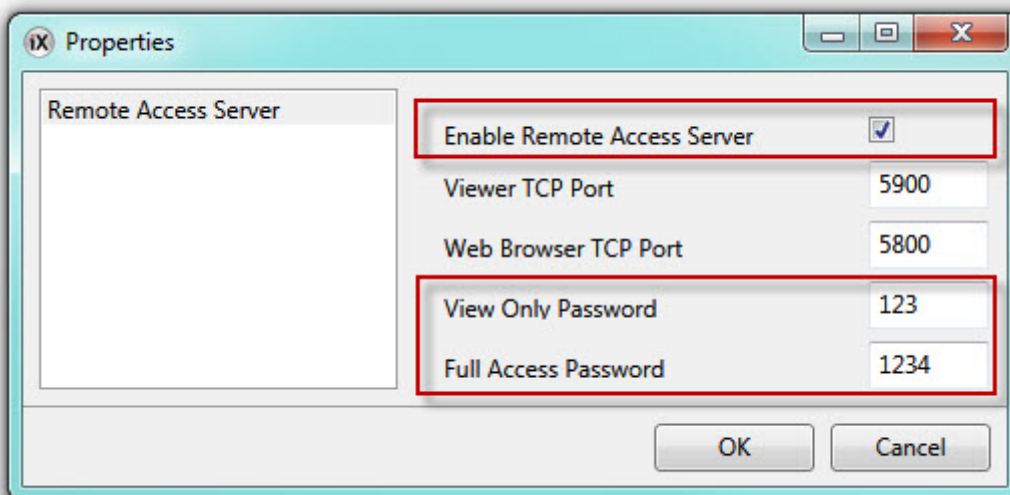
- In the project application click on *Remote Access* under *System* in the ribbon menu.



- Check *Enable Remote Access Server* and, if wanted, add password.

The view only password allows reflecting the panel remotely; the full access password allows also control of maneuverable objects in the panel.

*Note: To protect secrecy when entering a password via Remote Access Viewer, it is recommended to use the PC keyboard. Otherwise it is possible that the cursor on the remote operator panel displays which keys are pressed on the alphanumeric keyboard.*



Download the application for the settings to take effect.

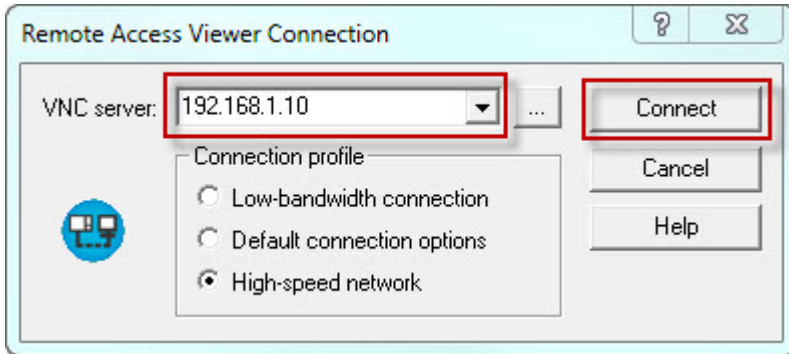
### 4 Remote Access Viewer

- If not already, download and install Remote Access Viewer.

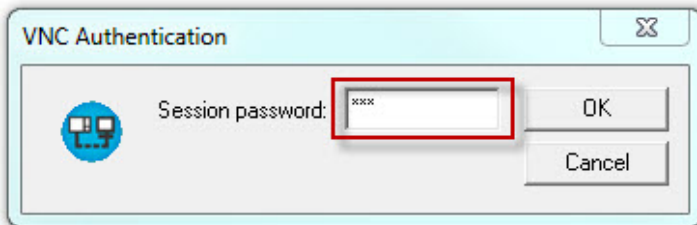
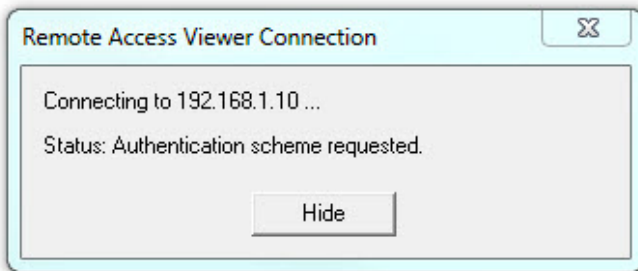
Only one VNC client can connect to the VNC server.

Only available when an operator panel is selected as target.

- Open the program and simply type in the panel IP-address. Click on *Connect*.

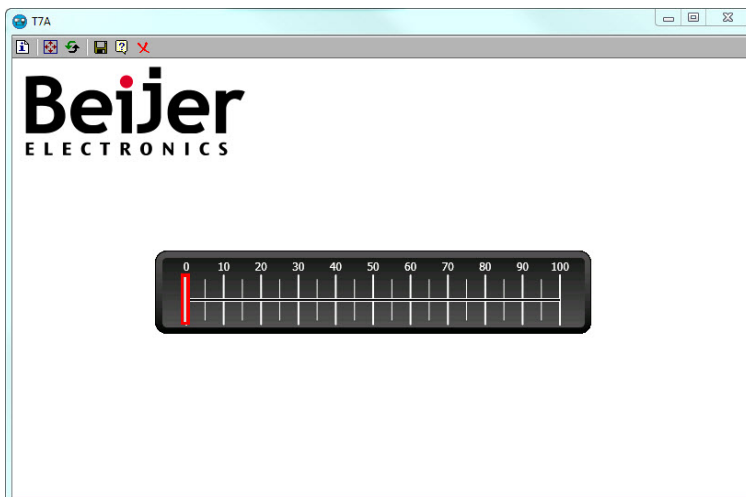


- A message box will ask for password. Enter password and click *OK*.



A mirror of the project is displayed on your screen.

Depending on the password entered, the slider below will be accessible or not.

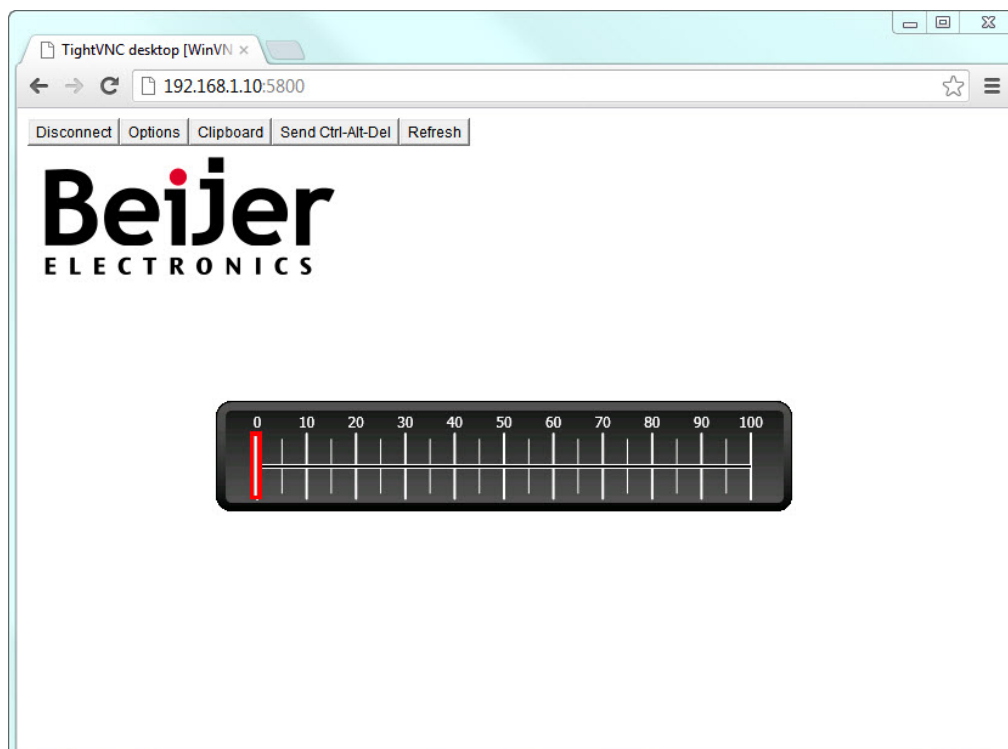
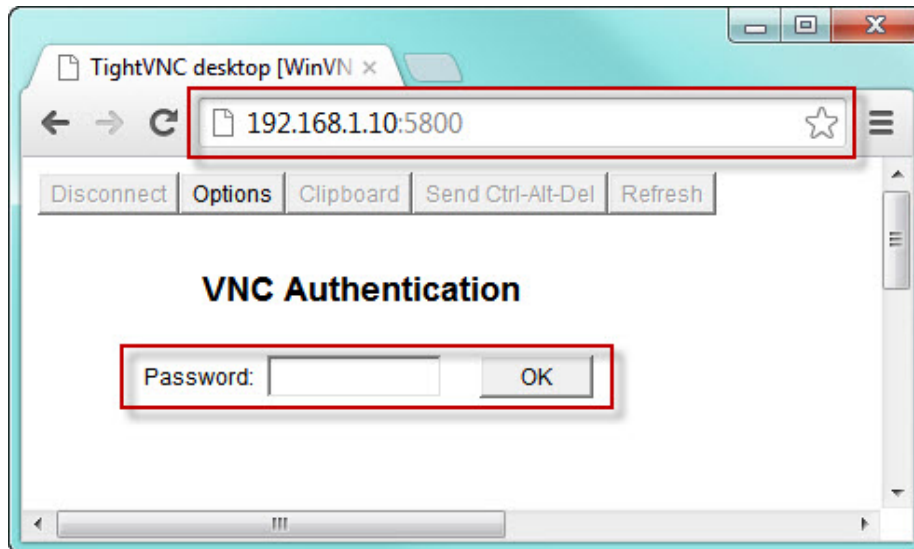


## 5 Web browser

You can also remote view with a web browser.

Java needs to be installed for remote viewing to work.

- Type in the target IP-address and port no. The IP-address and port no. is separated with colon.



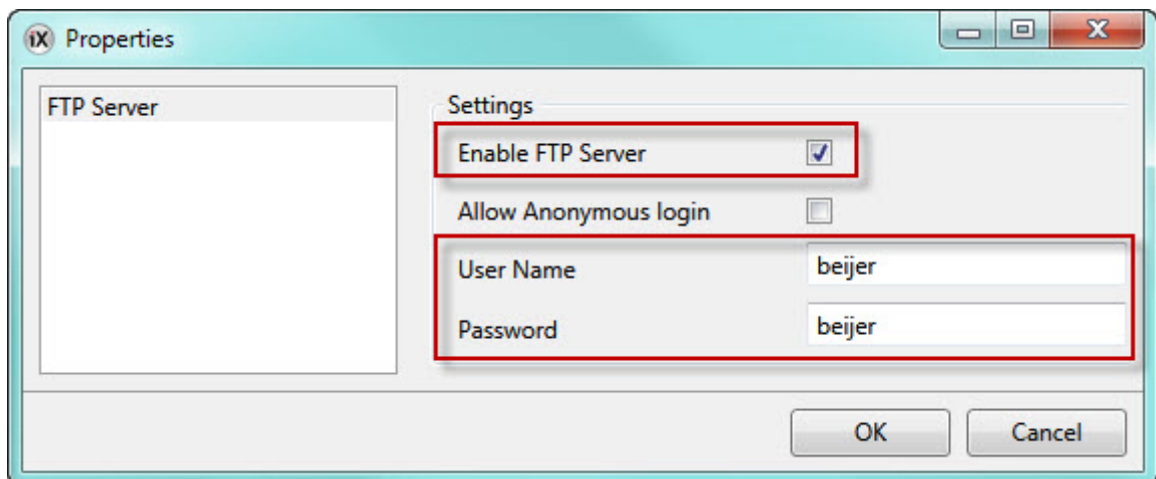
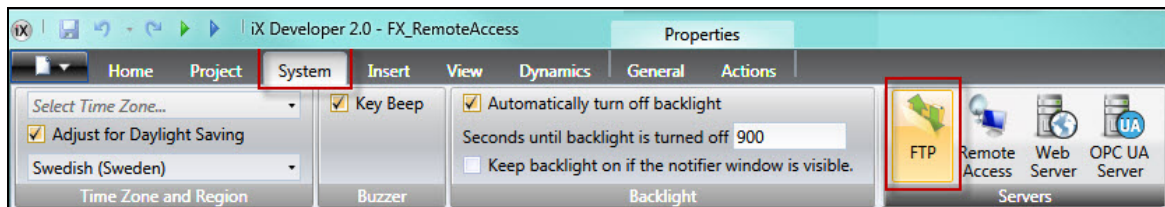
## 6 FTP

It is possible to set up access to the FTP server with login requirements and/or as anonymous. An anonymous user has read-only access rights. A user that logs in with the correct user name and password gets read/write access rights

Only available when an operator panel is selected as target.

FTP is not supported for Panel TxC.

- In the project application click on *FTP* under *System* in the ribbon menu.



Download the application for the settings to take effect.

## 6.1 Connection to the panel

When the application has been downloaded and started we can access the FTP-server.

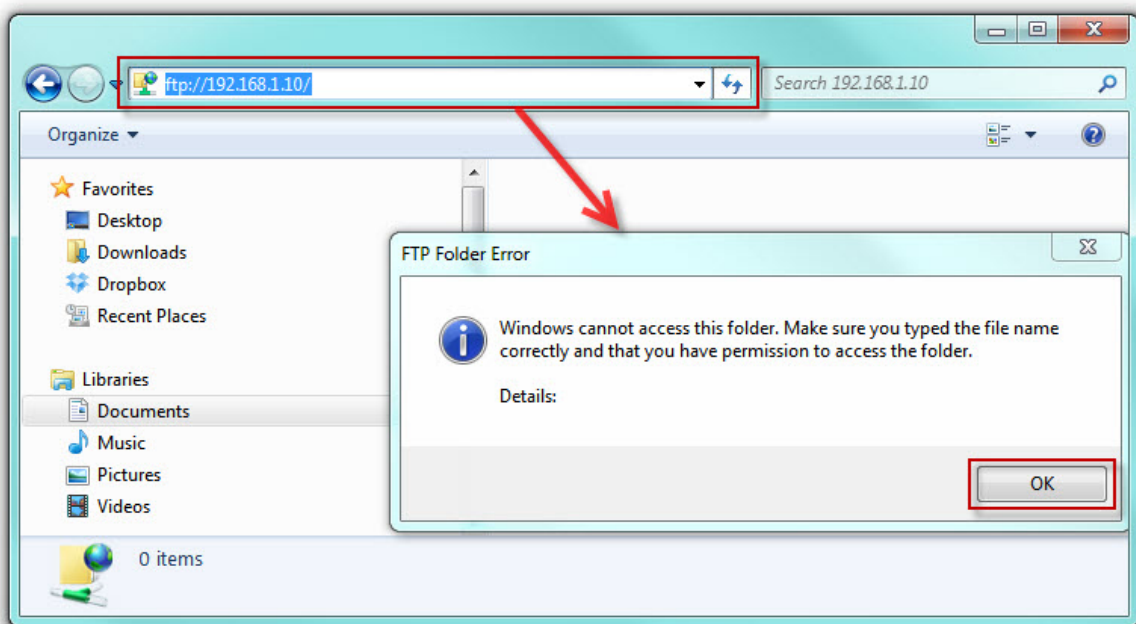
There are many programs that will work as FTP-client, ex web browsers, windows explorer, Command Prompt, FileZilla, Total Commander etc etc.

It's recommended to run a clean FTP-client for best result. For example FileZilla which is a free software.

## 6.2 Using Windows Explorer

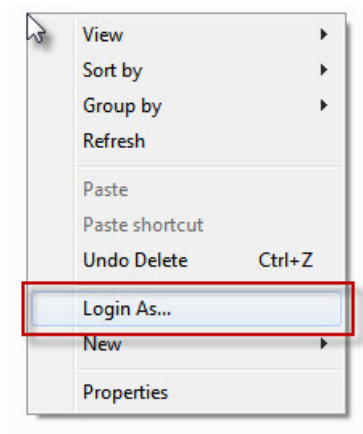
- Open any Windows Explorer window (My Documents, My Computer etc) and enter the target server address.

In this case: ftp://192.168.1.10.

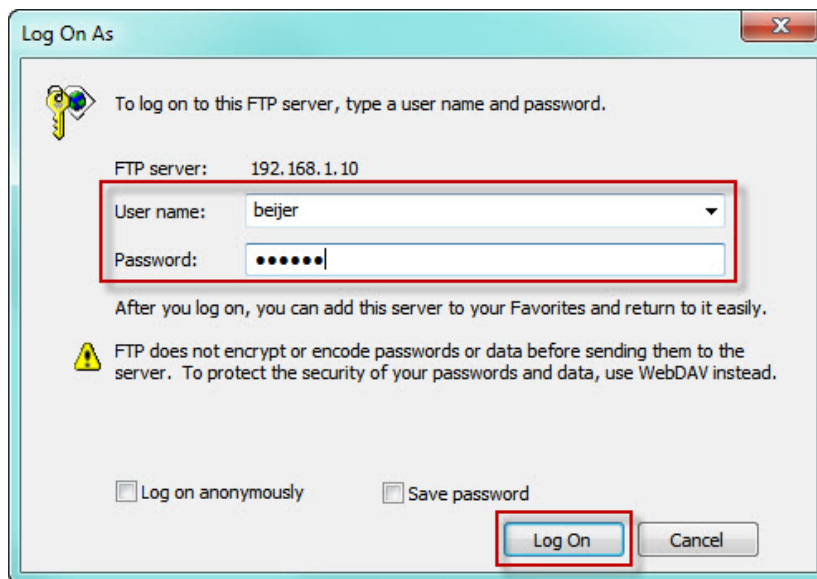


If you allowed anonymous login you will now be able to access the folder with read-only access.

- If you entered a password an error- message will appear. Click *OK*.
- Right-click inside the folder and click on *Login As*.



- Enter username and password. Click on *Log On*.



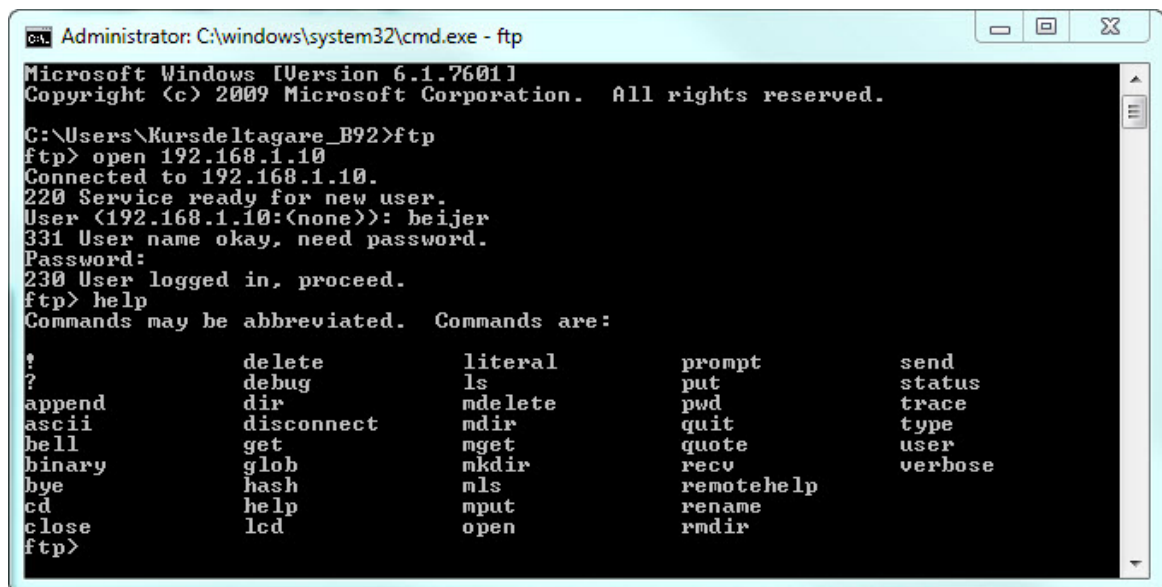
You can skip the above message and login screen by using:  
“ftp://username:password@ftpserver” in this case “ftp://beijer:beijer@192.168.1.10”.

### 6.3 Using Command Prompt

Using Command Prompt is useful to check connection and login. But it's not very user friendly.

- Open cmd.exe.
- Type "ftp".
- Type "open ServerIP" ex. "Open 192.168.1.10".
- Enter your username.
- Enter your password.

Type "help" to list all commands.



```
Administrator: C:\windows\system32\cmd.exe - ftp
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Kursdeltagare_B92>ftp
ftp> open 192.168.1.10
Connected to 192.168.1.10.
220 Service ready for new user.
User (192.168.1.10:(none)): beijer
331 User name okay, need password.
Password:
230 User logged in, proceed.
ftp> help
Commands may be abbreviated.  Commands are:

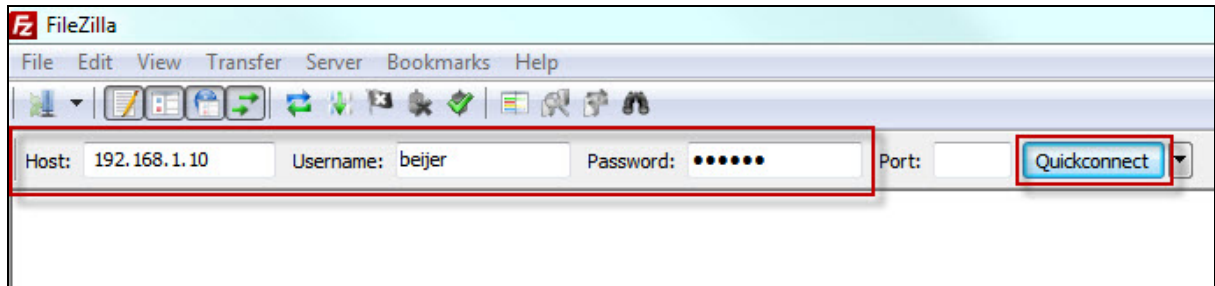
?          delete          literal          prompt          send
?          debug           ls               put             status
append    dir             mdelete         pwd            trace
ascii    disconnect     mdir            quit           type
bell      get            nget           quote          user
binary   glob           mkdir           recu          verbose
bye      hash           mls            remotehelp
cd       help           mput           rename
close   lcd            open           rmdir
ftp>
```



### 6.4 Using FileZilla

Install and open FileZilla. FileZilla can be downloaded at <http://filezilla-project.org/>.

- Enter IP-address, username and password and click on *Quickconnect*.



Here you can add and remove files:

