

Eltako FVS

6 steps to activate remote control
using your smartphone
(mobile client)



Infinite flexibility and convenience in
building installations

1. Setting up access to your computer/network for FVS Mobile

1. Create dynamic IP address or apply for static IP address
 - a. If you want to contact your computer at all times, you must know its Internet address. This changes every time you dial it up and is rebooted by your Internet router every 24 hours. For this reason, you must create an address that always knows the address by which the computer can be contacted at the present time..
 - b. **Exception:** You have a static IP (the same address is always used in the dial-up procedure). If this is required, you can apply for this type of address from your Internet provider. You may incur additional costs depending on the provider.
 - c. It has proved to be better to create **one** dynamic IP address. You can set it up on the website www.dyndns.org ((English), www.dyndnsfree.de (German) or with another dynamic DNS address provider. You can also select the address you want.
2. Change the router configuration (port forwarding, router rules or depending on the router manufacturer)
 - a. To access your computer directly, a dynamic IP address must be set up on your Internet router. Please read the operating instructions for your router. Normally, the latest routers already have this option integrated. If this is not the case, you can download the program dynDNS Updater over the Internet free of charge.
 - b. The link between your computer and mobile phone is by Internet. Your router and its firewall will reject a request from a smartphone if you do not forward the corresponding port(s) to the computer on which the Eltako FVS Software is installed. Each router has the option of activating a port forwarding function..
 - c. Please determine the IP address of your FVS computer in the network before you set up port forwarding. This parameter can always be determined directly on the PC or via the Internet router webserver.
 - d. Port forwarding for FVS-Mobile must cover the following ports:

Port 2021 for communication to FVS-Mobile
Port 2023 to transmit videostreams to FVS-Mobile
 - e. Therefore specify the port as described under **d.** for port forwarding, the IP address as described under **c.** and select, if necessary "Other Application" for the application.

2. Setting up the profile in the FVS for your mobile unit

1. Start the Profile Manager from the menu bar under "Configuration/Profiles/Profile Manager".
2. Right-click the list (links) with the mouse to open the Context menu.
3. Here, select "New" to set up a profile. You can change this by double-clicking the name (here: "New profile").
4. Mark the profile and on the right, select the related actuators, sensors, etc. for which the Mobile Unit should receive authorisation (display and/or enable).
5. Select "Exit" to close the procedure.

3. Installing the application on your smartphone and initial settings

1. First make sure that your smartphone has a data flat rate. If not, you may be faced with extraordinary costs that can be avoided by a data flat rate.
2. Load the Internet Store (download Appstore, Android Market the free FVS App and install it on your smartphone).
3. Start the program/the app and select "Settings" to enter the link data.
4. Primary link data:
 - a. Note the device number right at the top. This is required under 5.
 - b. Enter the name you want for your mobile phone under "Name".
 - c. If only one computer is used for access, the settings "Profile" and "Profilename" may remain set as default.
 - d. Enter the **dynamic** address under 1. on the server (e.g. fvs.dyndns.org). Please note that you are not entering the current router IP address (e.g. 79.55.43.100).
 - e. Do not enter the key right away. Enter the calculated FVS key here. However, it is created only at Point 5.

4. FVS presets

1. Activate the remote access in the small start window by clicking on the globe on the far left. Remote access is activated when the red X on the left under the icon disappears.
2. Before you can link to a mobile unit, create it in the FVS. To do this, select "Configuration/Security/Client/ Eltako FVS-Mobile" from the menu bar.
3. The window "Edit Mobile" appears. Create a new unit here. In the white box in the middle of the window, right-click the mouse to open the Context menu. Here, select "New" to set up a mobile unit.
4. Give the unit **exactly** the same name as you specified in your mobile phone in Point 3.4.b (uppercase and lowercase letters are important).
5. After you create the unit, a question box opens asking whether you want to assign a profile. Confirm by clicking on "Yes" and select the profile you created in Point 2 from the dropdown menu. Close the profile selection box by clicking on "Exit".

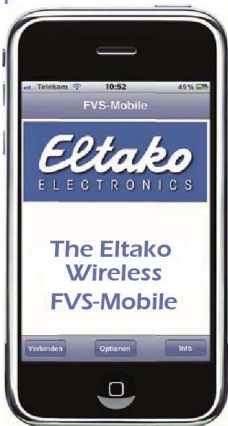
5. Creating the link between the mobile unit and FVS.

1. Create the link in the window (Configuration/Security/Clients/Eltako FVS Mobile) as described in Point 4.1 (FVS presets). Make sure that the FVS is open and that you started the app. Please open the app options..
2. Enter the unit ID number specified in the app Options in the FVS under "Mobile key".
3. In the FVS, click on "Key" to calculate the authentication key. Then enter the numeral and letter combination that appears in "Key" in the app and select "Activate".
If all the settings were entered correctly, the red line in the FVS changes to green and the mobile unit is registered with this FVS.
4. Terminate the procedure by clicking on "Exit".

5. After this procedure, a link is set up between the smartphone and the FVS. As feedback, the globe in the small main window is marked by a green background to indicate that there is a link to an external unit.

CAUTION: You only have a time window of 3 minutes to enter and activate the key. If you exceed this time, you must start again at Point 5.3.

6. Operating the FVS mobile app



Please read the operating instructions for the relevant app.

1. iPhone
2. Android
3. Windows Mobile

Definition of terms and notes

address:

Every computer in the Internet/network has a unique address/number by which it can be contacted by any other computer in the Internet/network. This number is called the IP address/number (the abbreviation means Internet Protocol). Just like a telephone number, this number must be unique so that one particular computer can be contacted. An IP number looks like this: 192.168.1.1.

Static IP address:

Often called a fixed IP address. An application for an IP address must be made to the Internet provider. A computer or router always reports the same IP address every time it dials into the Internet. It is therefore always contactable by the same address. This procedure is only used for computers with genuine permanent access (dedicated line) to the Internet.

Dynamic Internet address:

Every time the computer or router dials into the Internet, a new IP address is assigned to it by the Internet provider. This method is standard on all DSL and modem/UMTS links. In this way, you never know what the current computer address is in advance.

Internet router:

This device is normally used if one computer is linked to the Internet by WLAN (wireless local area network) or if several computers are linked to the Internet over a LAN (by cable over a local area network) or WLAN. The most frequent devices are made by D-Link (Horstbox) or AVM (Fritzbox).

Port:

For example, your network viewed from the Internet is like a city wall with many gates (ports) through which you can go in or come out. The firewall is responsible for managing these gates (ports). It opens a gate (port) when an unquestionable request is received and then closes it again afterward letting it through.

Router configuration:

Internet routers have the possibility of changing settings, e.g. Internet access data, IP addresses, etc. In most cases, this is performed over a webserver. Here you can dial up an IP address in your Internet browser and access the web interface of your router directly.

Webserver on your router:

This can basically be regarded as a web page. Here you can make changes to settings on a device directly. It is in standard use on routers.

dynDNS Updater:

Small program that connects a link between the current dynamic IP address and an Internet address. The program reports to the server in the Internet after every new Internet access and renews the link. In this way, a computer can always be contacted using the same IP address although the address changes every time. If necessary, you can download dynDNS from here (<http://www.dyndns.com/support/clients/>).

dynDNS.org / dyndnsfree.de

Internet provider of free dynamic addresses. It creates a forwarding line to the detected computer after the router/dynDNS reports itself. Here you can register free of charge and also create an address free of charge.

Firewall

This protects your computer/router from unauthorised accesses from the Internet. Referring back to the example in the definition of ports, it is the manager of these ports (gates).

Smartphone:

The latest generation of mobile phones. Most of these devices have Internet access and can be expanded by small app(lication)s (programs).

Port Forwarding:

Referring back to the example in the definition of ports, this means that a specific port (gate) is opened for requests and all requests are forwarded directly to a specific computer in the network.

Videostream:

Live transmission of camera image over the Internet.

App:

App is short for application and this is a small program that can be downloaded to a smartphone and installed.

Data flat rate:

A data flat rate is an access variant to the Internet for smartphones. It is irrelevant what data volume or what period of time you spend connected to the Internet.

Requesting the current IP address under Windows:

1. In the Windows Start menu, select "Execute" (in Windows 7 you can enter the command directly in the search line).
2. Enter the command "cmd" and confirm by pressing Enter.
3. The "Command" window opens (formerly referred to as the "command prompt" or the DOS level).
4. Type in "ipconfig" and confirm by pressing Enter.
5. The network settings in your computer are displayed including all IP addresses.
If 2 IP addresses are displayed, use IPv4.
6. To close the window, click on "X" in the top right corner of the window.

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