

Eltako Wireless Building computer FVS-Safe

1. Scope of supply



- FVS-Safe with factory installed software
- Power supply unit and connecting cables
- VESA wall mount
- Driver CD and Windows 7 Setup CD
- Installation instructions
- Network cable (crossover)

2. Technical data of the FVS-Safe

Technical data	
operating system	Windows 7 HP
CPU	Intel® Atom N270 1.6GHz
chip set	Intel® 945GSE
RAM	1 GB SO-DDRII RAM 800MHz
hard disk	2.5" HDD SATA 160GB
ports left	1 x serial port, 3 x USB
ports right	1 x DVI-I (VGA via adapter), 1 x USB 2.0 2 x Intel LAN 10/100/1000 Mbit, 2 x audio 6-channel HD
power consumption	approx. 10 watts (standby), approx. 14 watts (idle), approx. 17 watts (full load)
ventilation	silent, passive cooling
dimensions (HxWxT)	2 x 26 x 18 cm
wall mount	VESA standard
weight	ca. 1.25 kg

3. FVS-Safe connectors



When installing, make sure that the devices are attached using the wall mount in order to ensure optimum cooling

4a. Set up FVS-Safe with monitor, keyboard and mouse

1. Plug a monitor (DVI connection), a keyboard (USB) and a mouse (USB) to the connections specified in 3.
2. Connect the Eltako FVS-Safe to the power mains. FVS-Safe starts automatically.
3. Enter the FVS-Home or FVS-Professional software license key and make the required settings in the FVS software. Here, refer to the FVS manual or the following short description "6 steps to success" for a direct start with the FAM-USB.

4b. Set up FVS-Safe with remote access to a notebook

1. Plug the supplied network cable (crossover) to the LAN1 connection of the FVS-Safe and notebook which is used to set up the system.
2. Connect the Eltako FVS-Safe to the power mains. FVS-Safe starts automatically.
3. Change the network setting of your notebook to IP(v4) address 192.168.168.1 to set up a connection. Deactivate all other network connections to avoid complications.
4. Start your Internet browser and enter the following in your address line:
http://192.168.168.100:5800
5. After completing your input, the VNC Authentication window opens for you to enter the standard password for the VNC configuration [password: EltakoFVS]. Confirm by clicking on "OK" to set up the connection. Now you have full access to FVS-Safe via your browser. First enter the software license key and then make all the necessary settings. Here, refer to the FVS manual or the following short description "6 steps to success" for a direct start with the FAM-USB.

5. Network information (IP addresses of the FVS-Safe)

1. LAN1 (as depicted in 3.) is only meant for direct connection to a notebook and is set permanently to IP(v4) address 192.168.168.100.
2. LAN2 is meant for data communication via TCP/IP in the network and Internet access. Here the FVS-Safe can be connected to the existing router. A fixed IP address is not set here. The automatic issue of IP addresses (DHCP) is used.

6. Resetting to delivery-status

1. Before system reset, please make sure that the keyboard, mouse and monitor are connected to FVS-Safe.
2. Start FVS-Safe until the message "Press F9 to reset system" is displayed on booting. Press the F9 within 10 seconds. Windows is then loaded with a special setting for system reset.
3. Select "Start recover" in the menu displayed. The reset process starts and the system then reboots to the delivery-status.

7. Backup/restoring a database

1. To back up the database, select "Overview". In the delivery-status, an icon labelled "Sich-Postgres-DB" is displayed in the base level. Start this link to back up the database to a file that is saved to the "Backups" folder on the desktop.
2. To load an existing or a new database, use the "FVSRecover" link on the desktop. When this program starts, a window opens for you to select the database you want to load. Click on "Search" to select the directory and the file. Confirm the loading process by selecting "Start".

8. Passwords of FVS Safe

1. **Windows administrator password:**
User: Service password: EltakoFVS
2. **Windows user account:**
User: User password: Password
3. **VNC (remote access):**
password: EltakoFVS
4. **VNC (view only, no write access):**
password: Password

1. Licensing



FAM-USB

1. Connect a monitor (DVI connection), a keyboard (USB) and a mouse (USB) to the sockets as depicted in 3. on page 1 or create a remote access as described in items 4a. and 4b. on pages 1 and 2 of the Setup Manual for the FVS-Safe.
2. Connect the Eltako FVS-Safe to the power mains. FVS-Safe starts automatically.
3. License the software by selecting "Enter info/license/license key". This is also stated in the supplied license description of the FAM-USB.

2. Install and detect FAM-USB

1. Connect FAM-USB to an USB connection. The Windows hardware detector starts automatically and installs the driver.
2. Start the software and change to the main view of Eltako FVS using "Overview".
3. Select "Configuration\PC interfaces" from the menu bar to find the previously correctly installed FAM-USB by "Auto-detection". Mark and save the displayed FAM-USB (recognised by the ID number) to terminate the process.

The system is now prepared to receive and send wireless signals.

3. Teach-in wireless pushbutton for lighting

1. To teach-in a wireless pushbutton, select "Teach-in\Teach-in dialog" from the menu bar.
2. Operate the wireless pushbutton to be taught-in to make it visible in the right field under "New sensors".
3. To allocate it to the wireless pushbutton, drag and drop it to the left section "Assigned sensors". To terminate the teach-in process, click on "End" or start the process at 2. for other wireless pushbuttons.

The wireless pushbutton is then displayed on screen as a lamp icon.

(* Click the left mouse button, hold down, drag and drop by releasing the left mouse button.)

4. Create FVS actuator

1. To visualise a switch actuator in the system, it must first be created as a FVS actuator. Select "Edit/create/edit actuators" from the menu bar.
2. Select the FAM-USB and confirm by clicking on "Select".
3. Change the actuator type in "Switch actuator (OFF/ON)", give the actuator a name of your choice (e.g. light) and select "Add" to create the FVS actuator.
4. The created FVS actuator is then displayed in the list of existing actuators. Close the window by selecting "End".

5. Teaching-in

1. To teach in the created FVS actuator into an Eltako wireless actuator, select "Teach-in\FVS into actuators" from the menu bar.
2. Mark the FVS actuator to be taught-in and set the wireless actuator to "LRN" as described in the operating manual of the switching device.
3. Select the required signal setting (On or Off).
4. Click on "Teach-in". The successful transmission of the wireless signal is indicated by the "Teach-in" button flashing green.
5. To teach-in other signal settings or actuators, please start at 2. again or end the teach-in process by selecting "End".

The current switching state of the actuator (On/Off) is displayed on screen as a lamp icon with a blue arrow.
Click this icon to change its state.

6. Linking the wireless pushbutton and actuator

1. To switch the actuator (lamp icon with blue arrow) using the taught-in wireless pushbutton (lamp icon), the two icons must be interlinked.
2. To generate the link, drag and drop the lamp icon of the wireless pushbutton on the actuator lamp icon with the blue arrow. When the two icons are overlaid in this direction, the actuator icon turns green before the wireless pushbutton icon is dropped.

The current switching state of the wireless pushbutton/actuator link (On/Off) is then depicted on screen as a lamp icon and can also be changed by clicking or pressing the wireless pushbutton.