

Vimar By-web Software for Apple mobile devices



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Introduction

1. INTRODUCTION

1.1 Vimar By-web for Apple iOS

Vimar By-web for iOS is an application for mobile devices with the Apple iOS operating system that permits access to the By-web Web Server (part 01945-01946) and By-web KNX (part 01545) of Vimar.

1.2 What is Vimar By-web

Vimar By-web (part 01945-01946) is a Web Server that allows you to manage your By-me home automation system through a PC, notebook, tablet or touch screen, as well as mobile devices with browsers able to display web pages. For Apple iPhone and iPod Touch devices, there is a dedicated application (Vimar By-web for iOS) available for download from the App Store, which allows remote access to the By-web control system.

For Google Android mobile devices, there is a dedicated application (Vimar By-web for Android) available for download from Google Play, which allows remote access to the By-web control system.

This manual explains how to configure and use this application. (By-web for Android devices)

1.3 What is Vimar By-web KNX

Vimar By-web KNX (part 01545) is a Web Server that allows you to manage your KNX home automation system through a PC, notebook, tablet or touch screen, as well as mobile devices with browsers able to display web pages.

For Apple iPhone and iPod Touch devices, there is a dedicated application (Vimar By-web for iOS) available for download from the App Store, which allows remote access to the By-web control system.

For Google Android mobile devices, there is a dedicated application (Vimar By-web for Android) available for download from Google Play, which allows remote access to the By-web KNX control system.

This manual explains how to configure and use this application (By-web for iOS devices).

1.4 Installation and requirements

To install the application visit the App Store, search for the application, and follow the on screen instructions to complete the installation. Once the application has been installed, an icon to run the program will appear on your device.



Introduction

In order to install the application, the mobile device must have version 8 or higher of the iOS operating system installed.

The app operation is optimized for Web Server software version (item 01545) 1.27 and later.

Other requirements include:

- a By-me home automation system with the Vimar By-me Web Server or a KNX home automation system with the Vimar By-me KNX Web Server
- a Wi-Fi connection for the first configuration and for use in the local area network (the first configuration can also be done remotely)
- an internet connection, configured according to the instructions in the Vimar By-web and Vimar By-web KNX Installation Manual, to control the system remotely

Attention: check that the firmware version declared by the mobile phone manufacturer meets the requirements for use with the Vimar By-web software.

1.5 Language

The By-web software can be configured in different languages.

The By-Web software automatically identifies the language set for the iOS operating system and consequently activates the same language.

The language set in the By-web for iOS application is used in the setup screens of the application itself, while the content of the Web Server pages are presented in the language set in the accessed Web Server (see the Web Server documentation for the language setting in the Web Server and the list of available languages).

NOTE: If the language set for the IOS operating system is not available for the By-Web application, English will be set. To set the language for the iOS operating system, refer to the manual of the Apple device itself.

Configuration

2. CONFIGURATION

2.1 Introduction

The application allows you to manage multiple projects on the one mobile device, thus allowing connection with more than one Web Server (home, work, beach home, etc..).

Vimar By-web Web-Server (part 01945-01946) and the Vimar By-web KNX Web Server (part 01545).

2.2 Creating a new project

To create a new project within the application, you must first perform the following operations:

1. Set up every aspect of the home automation system supervision in the Web Server Vimar.
2. Connect your Web Server Vimar to the Wi-Fi network that is connected to the iPhone on which the application is installed.
3. Install and run the application on your iPhone.
4. When the By-web is enabled, select the "Settings" icon available in the toolbar at the bottom right, to view all the projects created with the application. Initially, the project list is empty.
5. Proceed with the creation of the new project.

During this procedure, the data relating to the connection to the Web Server, as well as the description to be assigned to the project, are set in the app.

The app provides two ways to create a new project, which will be described in later chapters. The two modes differ only by the way the IP address is set up on the Web Server: the first carries out a scan of the LAN looking for a Web Server, while the second requires to enter the Web Server IP address manually.

Configuration

The buttons of the settings page.

Icon	Operation	Description	Position
	Add project with the automatic Web Server Search	Searches the LAN network for active Web Servers to create a new project.	Top toolbar
	Add project with the manual Web Server Search	Opens the page for creating a new project with the Web Server manual configuration.	Top toolbar
	Clean and reload	It deletes the data in the caches and reloads the data of the current project.	Workspace
	Install CA Certificate	Install the Web Server CA certificate (for managing SSL communication between app and Web Server) on the mobile device: necessary for displaying video messages.	Workspace
	Home	It goes back to the home page of the application corresponding to the current project.	Bottom toolbar
	Favorites	Shortcut to display the Favorites page of the Web Server.	Bottom toolbar
	Reload	It reloads the data of the current project.	Bottom toolbar
	Settings	It opens the project list page.	Bottom toolbar

Configuration

2.2.1 Creating a new project with automatic Web Server Search function

After selecting "Add project with the automatic Web Server Search", the application scans the network and displays the Web Server and corresponding IP addresses available on the LAN for import.

Select the Web Server with the desired project.

After selecting the desired Web Server address, a window appears for the Web Server access configuration settings, where the local IP address field is already filled.

Meaning of the Web Server app access parameters:

Field	Description
Name	Name of the project identifies the project in the list of projects managed by the app.
Username	Web Server username required to access the Web Server via the app. For the Web Server user management, please refer to the Web Server documentation.
Password	Web Server password required to access the Web Server via the app. For the Web Server user management, please refer to the Web Server documentation.
Local IP address	IP address of the Web Server in the LAN, for local access.
Local port	Port used for local access to the Web Server. The default value is 443 and there is the option to modify it for future developments.
Home network	<p>SSID (the name with which is identified a wireless local area network (WLAN)) of the WLAN connected to the LAN in which the Web Server is connected. This data is required for the "local" connection to the Web Server. Pressing in this field displays a window to set the parameter.</p> <p>If your mobile device is connected to a WLAN, a list of the latest WLAN appears that the mobile device has accessed: if among these the desired WLAN is visible, select it. In the event that no list appears (for example, because the mobile device is not connected to any WLAN at that time), it is possible to manually enter the SSID of your home network, writing the SSID in the dedicated field and pressing the ⊕ icon to the right of the enter field; the manually entered SSID will be displayed in the SSID selection list. After selecting the desired SSID (the ✓ symbol appears at the right of the SSID) press "Save" (on the right side of the upper horizontal bar) to save the setting.</p> <p>NOTE: It is possible to select more than one SSID; this is useful in cases where there are multiple Wi-Fi access points in the home with different SSIDs.</p> <p>Compilation of this field is mandatory in order to complete the configuration procedure of connection of the app to the Web Server.</p> <p>Important: if you do not have this information you will not be able to access the "local" Web Server but you can still access the "remote" Web Server by associating a "dummy" name to that parameter.</p>
Public Domain or IP	IP address or DNS domain used for Web Server remote access.
Remote port	Port number used for the Web Server remote access.

Configuration

After entering the project parameters, click the "OK" button (located at the bottom of the page) to save the data and "Favorites" the project (so the project is displayed when you open the app). After saving the data, the window with the project list appears.

Note: Some network configurations inhibit the correct function of the By-web app's automatic Web Server detection procedure.
If this occurs, perform the procedure manually by setting the parameters of the Web Server as described below.

If app cannot communicate with the selected Web Server, you will see an error message (see the chapter on access to the Web Server and connection error).

2.2.2 Creating a new project with Web Server manual selection

By pressing the "Add project with the manual Web Server Search" button, the Web Server manual selection page appears for the project to be imported. In this case, it is also necessary to enter the local IP address of the Web Server.

Then proceed as described in the previous chapter, and finally save the configuration data by pressing the "OK" button. After saving, the window with the list of projects appears.

If app cannot communicate with the selected Web Server, you will see an error message (see chapter Selecting a project and connection error).

Configuration

2.3 Changing an existing project

To change the parameters of an existing project:

1. When the By-web app is enabled, select "Settings" from the bottom toolbar. A list of all the projects created with the application will appear.
2. Select the row corresponding to the project you intend to modify. The page with the project connection details appears.
3. Press the "Edit" button (on the right in the top toolbar) and apply the changes.
4. When done, press the "Save" button (on the right in the upper toolbar) to save the changes, or press the "Cancel" button (in the upper left side of the toolbar) to return to the project page without saving.

Note: you cannot change the name of a previously created project.

If app cannot communicate with the selected Web Server, you will see an error message (see the chapter on access to the Web Server and connection error).

Configuration

2.4 Deleting a project

To delete an existing project:

1. Select "Settings" from the bottom toolbar. A list of all the projects created with the application will appear.
2. Select the row corresponding to the project to be deleted. The page with the project connection details appears.
3. Press the "Edit" button (on the right in the top toolbar).
4. Press "Delete project" at the bottom of the configuration page to remove the project (after confirming), or press "Cancel" (on the left in the upper toolbar) to go back to the project page without deleting the project.

2.5 Setting a project as default

If there is more than one project saved in the app and you want to use a different project to the one currently in use, follow the procedure below:

1. Select "Settings" from the bottom toolbar. A list of all the projects created with the application will appear.
2. Select the row corresponding to the project to be deleted. The page with the project connection details appears.
3. Press the "Select Project" button located at the top of the page with the project details.

The new selection is highlighted in the project list and the active project can be used from this moment and whenever the app is subsequently run.

2.5.1 Accessing the Web Server via the By-web app

After you have successfully configured the parameters for accessing the Web Server, to access the Web Server pages, proceed as follows:

- From the projects list on the App settings page, set the default project, as described in the manual configuration chapters (the default project is marked with the √ symbol).
- Press the  button on the left side of the lower horizontal bar.

The app includes a procedure for loading some of the project data to a local database for faster subsequent access to the Web Server, especially for Web Server access via remote connection. This process can take a few minutes.

During this process, none of the Web Server functions are available via the app.

The data loading procedure steps are highlighted by different messages on a black screen (some steps also display the percentage of completion of the operation).

Data loading progress while the app is open is shown by an icon in the top toolbar.

After accessing a project, when the app is started the next times, the default page of the same project will be displayed.

To access one of the other configured projects, it is necessary to access the Settings page of the app, select the desired project and press the  button.

Configuration

2.5.2 Connection Error

If the app cannot connect to the Web Server identified by the configuration parameters, an error message is displayed.

This error may be caused by the following reasons:

1. The connection parameters (IP address and port) of the Web Server have not been entered correctly in the app project configuration page.

Solution: check the data entered in the project configuration page of the app.

2. The connection parameters for the Web Server have been entered correctly, but there are network problems.

Solution: Verify the correct operation of the LAN.

If such an error occurs, you can:

1. Go back to the project list by pressing the "Settings" button on the bottom toolbar.
2. Carry out the necessary checks and apply the required changes to the Web Server connection data and/or troubleshoot your mobile device connection.
3. Try to connect again

2.5.3 Cleaning the cache

The "Clear cache" function clears the data in the cache memory assigned to the app.

This procedure may be necessary after updating the Web Server.

To clear the cache of the app, when the By-web app is enabled, select the "Clean and reload" button on the bottom of the page with the project list (accessible by pressing the "Settings" button from the bottom toolbar).

Note: upon clearing the cache, the system project data is automatically reloaded.
This procedure may take a few minutes.

Use

3. USE

3.1 Introduction

The By-web app allows you to navigate the supervision areas of the Vimar Web Server from Apple mobile devices, with better performance and greater convenience than through a standard browser.

Before accessing a Vimar Web Server from the app, you must configure the project, as described in the Configuration section of this manual.

The app does not allow automatic screen rotation of the Apple mobile device according to its orientation.

The view is automatically fixed in portrait or landscape mode depending on the device characteristics.

In case of vertical view and relatively small screen of the mobile device, the device will display the automation system pages in "grid" format, regardless of the Web Server settings (refer to the Web Server documentation for a description of the "grid" view or "map" view in the Web Server).

On the supervision pages, the home automation devices in the system are represented by widgets (refer to the Vimar Web Server documentation).

Depending on the type of device/function, the widgets may be as simple as the light ON/OFF controls or the scenarios, or they may also open a popup window containing the necessary data for detailed manipulation, in which case the pop-up may not be fully visible due to the size of the screen of the mobile device and scrolling will be necessary to view the hidden parts.

Navigating the pages of the Web Server via the app is similar to accessing the Web Server via PC browsers. You can therefore refer to your Web Server manual for a description of the Web Server interface.

Use

3.2 Displaying the side bar menu

Navigation between different sections of the Web Server is handled via the side menu.

To display the side menu, press the icon on the top horizontal menu bar  .

To close the menu, press the button again or use the "drag from right to left" gesture.

When the main menu appears, select the desired item.

The management of the menu is the same when accessing the Web Server from the PC (refer to the Web Server manual for more information).

If the number of menu items exceeds what can be displayed at one time on the screen, you can access the menu items that are not visible by scrolling.

3.3 Return to the side bar main menu

To return to the main menu, select the "Back" button, which is always at the top of the main menu or submenu.

3.4 Web Server functions

For more information about the capabilities of the Web Server refer to the corresponding instruction manual.

3.5 Viewing RTSP video streams

Viewing RTSP video streams requires the installation of specific apps for viewing such video streams (e.g. VideoLAN VLC for iPhone).

After selecting the camera generating the RTSP video stream (from the video surveillance menu of the Web Server) the current frame of the video stream with the PLAY symbol on top is shown.

Pressing PLAY opens the application for the visualization of the RTSP video streams.



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