

Manual: QA Profile Control

Central control of the daily and situational modes of the whole household.

Introduction

QA Profile Control allows the user to easily change the behaviour of the whole house through global modes – for example Morning, Day, Evening, Night, Vacation or Visit. Downstream applications react to these modes automatically and adjust, for example, heating, cooling, hot water heating or lighting.

The application works in three modes: automatic, temporary and manual.

The application cooperates with Mervis SCADA for visualisation and with other QA applications of the Energy Management family – for spot prices, energy sharing, controlled wallboxes, DHW heating and more.

Upstream and downstream applications

Upstream applications

- For reacting to motion: motion sensors assigned in the application
- For reacting to the television: detection of TV operation via the global variable TV_Power (values 0 or 1), e.g. by measuring consumption with a smart plug

Downstream applications

- QA Room Climate Control
- QA DHW Mode
- QA Light Control

Installation and initial setup of the QA

Purchase the application in the Smart Home and Energy e-shop (<https://eshop.smarthomeenergy.cz>). After the purchase you receive an e-mail with a link to the activation form, in which you choose one of the two installation methods:

- **Installation via the SHE Installation Application (recommended)** – the activation form provides a link to download the Installation Application. Install it into the unit; it then automatically installs the purchased licences. It provides automatic updates of all SHE applications and easy licence management (requires the credentials for the unit).
- **Standalone installation file** – the activation form provides a link to download an encrypted *.fqax file bound to the entered unit S/N. Install the file manually into the unit according to the unit manufacturer's instructions (logged in as "superuser"). This option does not allow automatic updates.

After the application is installed, the standard profiles are installed automatically, including the setting of their icons. The original profiles in the system are preserved – if the user does not need them, they must be removed manually.

Automatically created profiles

- **VACATION** – temporary or permanent absence mode
- **VISIT** – mode for the presence of guests
- **AUTO** – automatic daily cycle
- **MORNING, DAY, EVENING, NIGHT** – daily modes
- **AWAY** – permanent absence
- **ARMED, PARTLY ARMED, ALARM!!!** – security modes
- **COMING, LEAVING, OFF** – transitional modes

Device Settings:

After the installation, the sections, rooms and motion sensors that the application is to monitor must be assigned in the **Device settings** application. After making the selection, save the settings with the **SAVE** button.

- **SECTION** – selection of the monitored sections of the house
- **ROOMS** – selection of the monitored rooms
- **MOTION SENSORS** – assignment of motion sensors for automatic mode switching

User settings

Warning: Not all cards and tiles are displayed to all users. Each user selects which cards and tiles are displayed on the Display Settings card (sheViewControl application) – levels SHORT, ADVANCED and ADMIN. If you cannot see a described card, check the settings on this card.

The QA Profile Control application consists of three parts available in the **Control** section:

- **Profile control** – main mode control
- **Setting Properties** – setting of times and dependencies
- **Device settings** – assignment of devices and sensors

Profile control

This screen is used for direct switching between modes and displays the current system state.

Automatic mode

The **AUTO** button switches the application to automatic mode. The system then automatically switches between the Morning, Day, Evening and Night modes according to the configured times or parameters (motion, TV). Automatic mode can also be selected by choosing the **AUTO** profile in the Yubii app or from the Fibaro web interface.

Temporary modes:

Temporary modes are active for the configured time, after which the system automatically returns to the original state.

- **VISIT** – activates the temporary visit mode. Set the duration with the – and + buttons next to the Visit time item.
- **VACATION** – activates the temporary vacation mode. Set the length in days with the – and + buttons next to the Vacation midnights item.
- **AWAY** – activates the permanent manual absence mode (without time limit).

Temporary daily modes (without a fixed end):

- **MORNING, DAY, EVENING, NIGHT** – switching to the corresponding mode

Information values:

The screen displays the current transition times for the given day:

- **Sunrise** – time of sunrise
- **Sunset** – time of sunset
- **Time Morning/Evening/Night Auto** – calculated transition time taking astronomical events into account
- **Time Morning/Day/Evening/Night Fixed** – fixed transition time (the latest possible time)

The card also shows the **Control Mode** (the current application mode).

At the bottom of the screen there is the Room climate override table, which shows whether the downstream applications (e.g. QA Room Climate Control) are currently in accordance with the set profile.

Setting Properties:

The dependencies and the transition times between modes are configured in the **Setting Properties** application.

Dependency Settings:

- **Leave Evening on TV** – if this option is active, when the television is detected as switched on, the system postpones the transition to night mode and keeps the evening mode while TV is being watched.

Time Settings:

The times determine when the system switches between the individual profiles in automatic mode. Each time can be adjusted with the -- / - / + / ++ buttons (using different time increments):

- **Time Morning Auto** 05:00 (the earliest possible start time of the morning mode)
- **Time Morning Fixed** 07:00 (the latest start time of the morning mode)
- **Time Day Fixed** 08:00
- **Time Evening Min** 17:00 (the earliest possible start time of the evening mode)
- **Time Evening Fixed** 20:30
- **Time Night Fixed** 23:00

Time Night Auto (e.g. 22:00) is also shown on the card; this time cannot be adjusted with the buttons.

The times marked **Auto** are the earliest possible transition times, which the system calculates taking astronomical events (sunrise, sunset) into account. The **Fixed** times are the latest transition times – if the automatic calculation results in a later time, the fixed time is used.

No Movement Time to Change Auto-Night

Sets how long there must be no detected motion in the house before the system automatically switches to night mode. The default value is **20 minutes**.