

Gate ~ FMCU ~ Benutzerhandbuch/en



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Introduction

The document describes the functions and configuration options of the software **F**acility **M**anagement **C** ontrol **U**nit.

The Facility Management Control Unit is software for access control management. It can be used in an enclosed area such as a sports or entertainment center, an airport zone, universities or security areas. The main components of the software solution are:

- An automated passage control with two-part door and signal lighting
- Barcode (or/and RFID) scanners that read identification data from the customer's ticket or card
- Tracking cameras observing the passage of customers
- Info screens showing inbound and outbound information to the customer
- One or more external speakers
- One or more additional monitors with content tailored to customer needs

The main features are:

- Opening access control upon successful ticket validation
- Interaction with customer in response to various events through:
 - Light effects
 - Voice prompts through internal or external speakers
 - Acoustic confirmation of the reading process from barcode scanners
 - Visual content displayed on an info screen
 - Safe opening and closing of the swing doors by monitoring the passage area

Supported operating modes:

- Normal
- Service
- Fire alarm
- Emergency

The variants of Entry Tickets:

- Single entry ticket with closing of access control after passage of one person
- Multiple entry ticket with permanent access control
- Adjustable time intervals
- Consideration of additional conditions about potential-free contacts

Initial Configuration

After the software has been downloaded and transferred to the eMMC card according to the documented procedure, see also here Galaxy Gate Inbetriebnahme/en, the login screen appears after the first start. After logging in with the user *Installer*, configuration wizard will be started.

Network

First step is the network settings configuring



| Gate ~ FMCU ~ | Benutzerhandbuch/en |
|---------------|---------------------|
|---------------|---------------------|

| wanzi | installer 🕞 Sign out English |
|-------------------------|------------------------------|
| Network | |
| | Next |
| Save Reset | |
| Dirty Invalid Simulator | |
| Network | |
| DHCP | |
| | |
| MAC | |
| 00:00:00:00:00 | |
| Address * | |
| 192.168.1.77 | |
| Netmask * | |
| 255.255.255.0 | |
| Gateway * | |
| 192.168.1.1 | |
| DNS server * | |
| 8.8.8.8 | |

| Parameter | Description | Default Value | |
|------------|--------------------------------|---------------|--|
| Address | IP-Address of access control | 192.168.1.100 | |
| Mask | Network-Mask | 255.255.255.0 | |
| Gateway | Gateway-Address | 192.168.1.1 | |
| DNS-Server | DNS-Server for name resolution | 192.168.1.1 | |

FMCU Configuration

Next step is selecting FMCU Configuration



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|--|-----------------|--|----------------------|---------|
| _ | FMCU Cor | nfiguration | | |
| Back Facility Mana | agement Co | ontrol Unit Configuration | | |
| Please select executable device type and corresponding configuration typ | pe for the FMCU | instance. | | |
| Executable Device Type | | Configuration Type | | |
| No Device (Slave) | ~ | Default | | - |
| Functions Default Gate Simulator | * | | | Ţ |
| | | The configuration for the standard sla | we gate | Apply |

The configuration always starts with the "Slave" side of the Galaxy Gate. This selection is preset in the assistant "No Device Slave".

As a type, you can basically make this selection in the assistant.

Configuration of the Facility Management Control Unit

| Selection | Description |
|-----------------------------|--|
| No Device Slave | Slave Unit (Default Selection) |
| Galaxy Gate (Modbus Serial) | Master-Unit mit serieller Verbindung zu Slave-Unit |
| Galaxy Gate (Modbus TCP) | Master-Unit with network connection to Slave-Unit |
| Galaxy Port (Modbus Serial) | Unit with serial connection to Slave-Unit |
| Galaxy Port (Modbus TCP) | Unit with network connection to Slave-Unit |

Functions

| Function | Description |
|---------------------|---|
| AEA | Configuration for Boarding Gates |
| Immediate Closure | Closing the swivel arms without swivel range monitoring |
| Multiple Opening | Swivel arms remain open when multiple input signals are present |
| Personal Protection | Closing the swivel arms with swivel area monitoring |



| One-time opening | Single pass even when several input signals are present |
|------------------|---|
| Trolley Case | Support of trolley case without alarm |
| Wheelchair | Assistance from wheelchair without alarm |

After the function has been selected, the combination of functions results in corresponding configuration types. The function selection is a filter for the resulting configuration type.

Configuration type from combination of functions

| Configuration Type | Description |
|--------------------------------------|---|
| AEA | Configuration for Boarding Gates |
| One-time opening Personal Protection | Closing the swivel arms with swivel area monitoring |
| One-time opening Immediate Closure | Closing the swivel arms without swivel range monitoring |
| One-time opening Trolley Case | Single passage with trolley case even when several input signals are present |
| One-time opening Wheelchair | Single passage with a wheelchair even if several input signals are present |
| Multiple opening personal protection | Closing the swivel arms with swivel area monitoring |
| Multiple opening instant closure | Closing the swivel arms with swivel area monitoring |
| Multi-opening trolley case | Swivel arms remain open when several people with wheeled suitcases pass through |
| Multiple opening wheelchair | Swivel arms remain open when several people with wheeled suitcases pass through |

After choosing from the three lists, click on **Apply**, the application will be restarted, you have to wait for the start-up process to be completed. After logging in again, this screen appears.

ΝΟΤΕ

If you adjust the IP address in the configuration, you must also align the URL in the browser to the new IP address.

Meta information

Next step is filling meta information about FMCU



| vanzi | | installer 🕪 Sign out English |
|---|------------------|------------------------------|
| | Meta Information | |
| | | Next |
| general (general) | | |
| Gate Name * | | |
| gate_no_name | | |
| Location * | | |
| | | ٥ |
| Order Number * | | |
| 0 | | |
| Project Name | | |
| Employee Name * | | |
| | | ٥ |
| IP white list, e.g. '192.168.1.101' or '192.168.1.101, 192.16 | 58.1.102' | |
| 192.168.1.101 | | |

After the input fields have been filled in, you can click on **Next** to reach the next page of the wizard.

Configuration of Gate

| wanzi | | | | installe | er 🕞 Sign out | English |
|---------------------|-----|------------------|-----|----------|---------------|---------|
| | Con | figuration Of Ga | ate | | | |
| Back | | | | | | Next |
| Gate (gate) | | | | | | |
| Port * /dev/ttyUSB0 | | | | | | |
| Count of units * | | | | | | |
| 2 | | | | | | |

WEAC Firmware Update

The current WEAC firmware is displayed on the next page of the wizard. If necessary, you can down or upgrade the firmware.



| Gate ~ FMCU ~ | Benutzerhandbuch/en |
|---------------|---------------------|
|---------------|---------------------|

| wanzi | | installer | 🕒 Sign out | | English |
|-----------------------------|-------------|-----------|------------|--------|---------|
| Back | WEAC Update | | | | Next |
| Unit 1 (None) Unit 2 (None) | | | | | |
| Select File | | | | Upload | Cancel |

The firmware version for each unit is listed as a label next to the activation button. The navigation options are deactivated during the update process. The update process takes about 3 minutes for both units.

| wanzi | insi | aller 🕩 Abmelden 📃 🖛 | Deutsch |
|------------------------------|-------------|----------------------|-----------|
| | WEAC Update | | |
| Zurück | | | Weiter |
| Firmware | | | |
| Unit 1 (3052) | | | |
| Datei auswählen W2MB3048.bin | | Hochladen | Abbrechen |
| 5% | | | * |
| Initialisierung | 12.02 | 2.2021, 13:57:12 | 0 100% 🗸 |
| W2MB3048.bin | 12.02 | 2.2021, 13:57:13 | 5% 🔵 |

After checking the WEAC firmware, the swing doors are configured. It is automatically checked whether the minimum requirements regarding the firmware are met. You will be informed on the surface if the firmware has to be updated first.



WEAC Doors Update

| wanzi | installer 🕞 Sign out English |
|---|------------------------------|
| Back | WEAC Doors Update |
| Unit 1 (None) Unit 2 (None) | |
| E) config | Cancel Apply |
| SPEED_MAX 150 BRAKE 40 BRAKE_R 10 BRAKE_RT 500 PANIC_BRAKE 10 | |

If the requirements are met, you can select the swing doors and apply them to the gate.





Configuring the Led Player

The next step is to configure the LED player for both units (Master and Slave) accomplished. If necessary, you can adjust the parameters. If the status is **ready for use**, no modifications are necessary.

| Nanzi | | installer | 🕞 Sign out | English |
|--------------------------------------|------------------------------------|-----------|------------|---------|
| Back | Configuration Of Led Player Master | | | Next |
| | | | | INCAL |
| Led player master (led_player_master | | | | |
| Gate side * | | | | ~ |
| Slave | | | | |
| | | | | |
| LED matrix disabled | | | | |
| LED ribbon disabled | | | | |
| | | | | |
| Serial port * | | | | |
| /dev/ttyACM0 | | | | |
| Baudrate * | | | | |
| | | | | |

The current firmware of the LED player is shown again on the last page of the assistant. Optionally, you can end the configuration with a restart. However, this is only necessary if IP addresses or interface information have changed.





After clicking **Finish** you can log in again as certain user and work with the Galaxy Gate. If you log in again as user *installer*, you get a graphical overview, can find out about the status of the access control and can carry out updates if necessary. So you complete the setup of the access control.

| Ģ | Displays | | | | |
|------|-------------------------|-------------------------|--------|----------------|---|
| Disp | lay Entry | | | | http://192.168.241.117:/display/display_entry |
| Disp | lay Exit | | | | http://192.168.241.117:/display/display_exit |
| | | | | | |
| 8 | Devices | | | | |
| 0 | Name | Туре | State | Failure Reason | Failure |
| | GateModbusGalaxyGateTcp | GateModbusGalaxyGateTcp | Closed | | |
| | Light bar | Duometric | Ready | | |
| 0 | Audio player | Weac | Ready | | |
| | Slave fmcu | Device | Ready | | |
| | Led player master | Diamex Serial | Ready | | |
| | Led player slave | Diamex Remote | Ready | | |

You can now log in with a service account and carry out further tests.

Operation Manual

Configuration of the Swing Doors

The swing doors can have different dimensions. Depending on the width and height, this results in other target parameters for optimal curve passage.



After a type has been selected, all parameters can be adjusted according to the needs in the interface before they are then activated via the button **Apply** in the configuration on the access control. If you change individual values in the display, the settings must first be saved. To do this, click on the diskette symbol on the left of the interface above the file list.



| a c |
|-----|
| 11 |
| 5 |
| 11 |
| 5 |
| |
| |

After the changes have been saved, you can activate them using the Apply button.

Configuration of the XOVIS Sensors

Add XOVIS-Sensor

Navigate to "Configuration" -> "Devices" -> "Xovis Cameras" and then click on the "Add" button

| w GG1 × + | |
|---|---|
| ← → C ▲ Not secure 192.168.1.100/configur | ion |
| | Manzi Dashboard Satus Configuration System WEAC Files Statistics wanzi 🕪 Sign out 💻 - English |
| | Save to File Load from File Reset |
| | Georal Devices Alarms Signais Output Signais Dispatchers Displays Server Diamex Update |
| | Gates Light bars Audio players Slave FMCUs GPIO LED players USB Hubs Photo ca a Xovis Cameras Readers |
| | 4 A dd |

The following fields are filled in the order shown:

- 1. Name
- 2. URL
- 3. Username
- 4. Password



| Law state | - 0 - 2 |
|--|---------|
| w col x + | |
| ← → C ▲ Not secure 192.168.1.100/configuration | ⊶ ☆ 😸 : |
| Save to File Load from File Reset | |
| General Devices Alarms Signals Output Signals Dispatchers Displays Server Diamex Update | |
| Gales Light bars Audio players Slave FIACUs GPIO LED players USB Hubs Photo camera Xovis Cameras Readers | |
| | |
| XOVIS Camera | |
| XOVIS Camera | |
| Name * | |
| XOVIS Camera | |
| Optional | |
| | |
| Debug | |
| | |
| URL* | |
| 2 http://192.168.1.183.80 | |
| Username * | |
| 3 admin | 1 |
| Password | |
| 4 | 1 |
| Basic authentication | - |
| | |
| | |
| No Entries | |

The configuration is saved by clicking the **Save** button.

ΝΟΤΕ

After adding the XOVIS sensor, the **FMCU** must be restarted before proceeding with the configuration.

Add XOVIS monitoring area as alarm signal

Navigate to "Configuration" -> "Signals" and then click on the "Add" button

| W FMCU | × 📀 192.168.1.1 | 106 | × + | | | | | | | | | |
|--------|-----------------------------------|------------|------------------------------|---------------|----------------|------------------|-------------|----------------|--------------|---------|--------|---------|
| - > C | A Not secure 192.168.1.106/cont | figuration | | | | | | | | | | |
| | | Wa | Dashboard Status | Configuration | System WEAC | Files Statistics | | | wanzi 🍺 Sign | out 🔳 • | Englis | h |
| | | Sa | ve to File Load from File Re | eset | | | | | | | | Restart |
| | | G | eneral Devices Alabas | Signals | Output Signals | Disnatchers Dis | nlavs Serve | r Diamex Undat | P | | | |
| | | | | orginalis | Supur Oignuis | orsputeriors ors | plays our | i Dunick Opdur | • | | . 1 | _ |
| | | | | | | | | | | | 3 | Add |
| | | # | Name | Gate side | Policy do open | Policy do close | Reject open | Alarm Type | Action Type | Enabled | | |
| | | 0 | Counter Pass Watcher Program | NotSet | 0 | 1 | 1 | Counter Pass | NoAction | | Ø | Û |
| | | 1 | Emergency Remote Entry | Entry | 0 | 0 | 0 | Emergency | Emergency | | Ø | Û |
| | | 2 | Emergency Remote Exit | Exit | 0 | 0 | 0 | Emergency | Emergency | | Ø | Û |
| | | 3 | Emergency [U1_U2_E10] | Exit | 0 | 0 | 0 | Emergency | Emergency | | Ø | Û |
| | | 4 | Entry Close | Exit | 0 | 1 | 0 | | NoAction | | đ | Û |
| | | 5 | Entry Confirmation | Entry | 0 | 0 | 0 | | NoAction | | đ | Û |
| | | 6 | Entry Counter Pass [10-14] | NotSet | 0 | 0 | 0 | | NoAction | | Ø | Û |

The following fields must be filled in here:

- 1. Select type "XOVIS Sensor"
- 2. Specify the name of the signal (e.g. "XOVIS ALARM")
- 3. Set the minimum number of people in the alarm zone to trigger an alarm (e.g. 2)
- 4. Select the alert type (e.g. "Unauthorized Access")
- 5. Determine a list of alarm zones (e.g. "AlarmZone")



6. Select the XOVIS sensor added to.

The configuration is saved by clicking the **Save** button.



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|------------------------|--------|---|------|--------|---------------------|
|------------------------|--------|---|------|--------|---------------------|

| Dashboard Status Configuration System WEAC Files Statistics | wanzi 🕩 Sign out | English |
|--|------------------|---------|
| | | |
| Save to File Load from File Reset | | |
| Theral Devices Alarms Signals Output Signals Dispatchers Displays Server Diamex Update | | |
| Save | | |
| | | |
| GateSignalXovis | | |
| XOVIS Sensor | | ~ |
| Name * | | |
| XOVIS Alarm | | |
| Enabled | | |
| Count May 2 | | |
| | | |
| Cate side * | | |
| NotSet | | ~ |
| Policy do open * | | |
| | | |
| Open gate, ignore locked | | |
| | | |
| Open gate speed, % * | | |
| 100 | | |
| Open gate angle, % * | | |
| 100 | | |
| Open gate timeout, ms * | | |
| 2000 | | |
| Re-open gate delay, ms * | | |
| 1800 | | |
| Policy do close * | | |
| 0 | | |
| Close gate speed, % * | | |
| 100 | | |
| Protect from soft close. Soft Alarm delay, ms * | | |
| | | |
| Soft Alarm Type | | |
| | | ~ |
| Soft close was forbidden. Alarm delay, ms * | | |
| Close was forbidden. Alarm Type | | |
| снозе was ноллицен. міант туре | | ~ |
| Project from force along | | |



| Protect from force close |
|---|
| |
| |
| Force close was forbidden. Alarm delay, ms * |
| 1200 |
| Delay to start closing the gate, ms (0 - 1000) * |
| 0 |
| Reject open * |
| 0 |
| Ignore reject open delay, after gate closed, ms * |
| 0 |
| Alarm * |
| 3 2 |
| Alarm Type |
| 4 Unauthorized Access |
| Alarm delay, ms * |
| 400 |
| Action * |
| 0 |
| Action Type * |
| NoAction |
| Counter * |
| 0 |
| List of zones ("Gate side" and "Counter" must be unset) |
| AlarmZone |
| List of lines ("Gate side" and "Counter" must be set) |
| Camera XOVIS * |
| XOVIS Camera |
| |

Add XOVIS counter

Navigate to "Configuration" -> "Signals" and then click on the "Add" button



| W F | MCU | | × | 192.168.1.106 | | × | + | | | | | | | | | |
|-----|-----|------------|-----------|----------------------|--------|------------|-------------------------------------|---------------|------------------|------------------|-------------|-----------------|--------------|---------|--------|----------------|
| ← · | → C | A Not secu | ire 192 | 2.168.1.106/configur | ration | | | | | | | | | | | |
| | | | | | Wa | anzl | Dashboard Status | Configuration | System WEAC | Files Statistics | | | wanzi 🕩 Sign | out 🔳 • | Englis | ih |
| | | | | | Sa | ve to File | Load from File Re Devices Appris | Signals | Output Signals I | Dispatchers Dis | plays Serve | r Diamex Update | | | 3 | Restart Add |
| | | | | | # | Name | | Gate side | Policy do open | Policy do close | Reject open | Alarm Type | Action Type | Enabled | | |
| | | | | | 0 | Counter | Pass Watcher Program | NotSet | 0 | 1 | 1 | Counter Pass | NoAction | | Ø | Û |
| | | | | | 1 | Emerger | ncy Remote Entry | Entry | 0 | 0 | 0 | Emergency | Emergency | | Ø | Û |
| | | | | | 2 | Emerger | ncy Remote Exit | Exit | 0 | 0 | 0 | Emergency | Emergency | | Ø | Û |
| | | | | | 3 | Emerger | ncy [U1_U2_E10] | Exit | 0 | 0 | 0 | Emergency | Emergency | | Ø | Û |
| | | | | | 4 | Entry Clo | ose | Exit | 0 | 1 | 0 | | NoAction | | Ø | Û |
| | | | | | 5 | Entry Co | onfirmation | Entry | 0 | 0 | 0 | | NoAction | | Ø | Û |
| | | | | | 6 | Entry Co | unter Pass [10-14] | NotSet | 0 | 0 | 0 | | NoAction | | Ø | Û |

The following fields must be filled in here:

- 1. Select type "XOVIS Sensor".
- 2. Specify the name of the signal (e.g. "XOVIS Counter")
- 3. Specify the side of the gate (e.g. "Entrance")
- 4. Set the value "Counter".
- 5. Specify a list of lines(e.g. "EntryLine")
- 6. Select the XOVIS camera that you added earlier.

The configuration is saved by clicking the **Save** button.



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|----------------------------------|--------|------|--------|--------------------|----|

| Manzi Dashboard Status Configuration System WEAC Files Statistics | wanzi 🕞 Sign out | English |
|---|------------------|---------|
| | | _ |
| Save to File Load from File Reset | | Restart |
| General Devices Alarms Signals Output Signals Dispatchers Displays Server Diamex Update | | |
| Save | | |
| GateSignalXovis | | |
| XOVIS Sensor | | ~ |
| Name * | | |
| XOVIS Counter | | |
| Enabled | | |
| | | |
| Count Max * | | |
| 0 | | |
| Gate side * | | |
| Entry | | * |
| Policy do open * | | |
| 0 | | |
| Open gate, ignore locked | | |
| | | |
| Open gate speed, % * | | |
| | | |
| Open gate angle, % | | |
| | | |
| 2000 | | |
| Re-onen date delav ms.* | | |
| 1800 | | |
| Policy do close * | | |
| 0 | | |
| Close gate speed, % * | | |
| 100 | | |
| Protect from soft close. Soft Alarm delay, ms * | | |
| 0 | | |
| Soft Alarm Type | | |
| | | ~ |
| Soft close was forbidden. Alarm delay, ms * | | |
| 60000 | | |
| Close was forbidden. Alarm Type | | |
| | | ~ |
| Protect from force close | | |
| | | |
| Force close was forbidden. Alarm delay, ms * | | |



| 1200 |
|---|
| Delay to start closing the gate, ms (0 - 1000) * |
| 0 |
| Reject open * |
| 0 |
| Ignore reject open delay, after gate closed, ms * |
| 0 |
| Alarm * |
| 0 |
| Alarm Type |
| |
| Alarm delay, ms * |
| 400 |
| Action * |
| 0 |
| Action Type * |
| NoAction |
| Counter* |
| 1 |
| List of zones ("Gate side" and "Counter" must be unset) |
| |
| List of lines ("Gate side" and "Counter" must be set) |
| EntryLine |
| Camera XOVIS * |
| XOVIS Camera |
| |

Store VPN key

A VPN key is required to use remote maintenance. This key can be requested from maxcrc support (support@maxcrc.de) by specifying the project name (Configuration->General view).

After the key file (*.opvn.conf) is available, you can import via the System->OpenVPN page. The following steps are necessary for this.

Navigating to the **System-OpenVPN** page.



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This file is now specified via the **Select file** button in the file selection dialog. Then click on **Upload**. When the process has been successfully completed, an info icon will appear next to the start button. This means the file has been uploaded successfully, the OpenVPN client can now be activated by clicking on **Start**.



If the start was successful, the color changes from green to red and the label from start to stop. The status of the OpenVPN client and the IP address for access in the VPN network for this gate are displayed to the right of the info symbol. You can disable remote access by clicking the **Stop** button.

Update Software

If there is no Internet connection, individual package installations can be carried out using the **System-**>**Update software** menu. You should have a zip archive with the packages to be installed. It must be ensured that no relative paths are used in the archive. Then you can insert the archive into the input line via **Select file** and start the update procedure with **Upload**. The progress of update process is displayed:



| | Gate ~ | FMCU | \sim | Benutzerhandbuch/e | n |
|--|--------|------|--------|--------------------|---|
|--|--------|------|--------|--------------------|---|

| wanzi | Home | Dashboard | Status | Konfiguratior | System | WEAC Date | en Statistik | | wanzl | Abmelden | - Deutsch |
|------------------|--------------|-------------|------------------|--------------------------|---------------------|----------------------|-----------------|------------------|------------|----------|-------------------|
| Speichern | Zurücks | etzen | | | | | | | | Neustart | System neustarten |
| Verändert Ungült | tig Simulat | tor | | | | | | | | | |
| Netzwerk | OpenVPI | N USB-G | eräte | Hardware | Software | aktualisieren | | | | | |
| | | | | | | | | | | | |
| | | | | | | • | | | | | |
| Fortschritt: | 10 % | | | | | | | | | | |
| Status: Ins | talling file | 'chromium-k | iosk 1.0. | 0-fmcu-2.2.5 | aarch64.ipk | ' in progress. A | ttempt: 1 | | | | |
| | j | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | wanzi | Home Dashboard | Status Konfiguratio | on System WEAC Da | telen Statistik | wanzi 🕞 Abmelder | Deutso | h | |
| | | I | Speichern | Zurücksetzen | | | | Neusta | system neu | starten | |
| | | | Verändert Ungült | OpenVPN USB-Ge | räte Hardware | Software aktualisier | 'n | | | | |
| | | | Datei auswa | ählen | | | | Hochi | Abbrech | en | |
| | | | Fortschritt | 100 % | | | | | | | |
| | | | Status: Sol | ftware aktualisieren abg | eschlossen | | | | | | |

If necessary, the application can be restarted.

Customer Role

When you log in as user *client*, a simplified interface appears with "Home", "Status", "Statistics" configuration menus.

| Home Status Statistics Rand | dom Winner | client 🕞 Sign out 🛛 📕 🔹 English |
|-----------------------------|---|---------------------------------|
| Single Free | Clearance Emergency Statistics from Apr 12, 2022, 12:00:00 AM Entries 🛧 4 Exits 🕹 | Restart |
| Open Service | Configuration: Konfiguration | Apply Cancel |
| | Application | |
| Open Service | Up time | 4:16:48 |
| | Start time | Apr 12, 2022 1:58:46 PM |
| Lock | System time | 6:15:33 PM |
| Single Free | | |
| Normal | | |
| Lock | | |
| 💼 Normal | | |



In this view you can administrate the access control, but you cannot make any configuration adjustments. The current statistics are displayed directly on the interface, a complete overview of the accesses can be viewed in the **Statistics** tab and exported if required. The current status of the individual access control components can be viewed in the **Status** tab. The **Clearance** option disables all alarms to make the cleaning staff's job easier. The **Emergency** option supports the user in opening the access control immediately.

Standard Assignment Connection Board

| Port | Function | Description | |
|----------|--|-------------------------|--|
| / | LS Middle | NO | |
| LSU (E1) | Center Light barrier | Normally Open Contact | |
| | LS Entry | NO | |
| LSV (E2) | Photocell Input | normally open contact | |
| | Open Entry | NO | |
| E3 | <i>Single free entry direction Impuls 0,1-1,0 Sek.</i> | Normally Open Contact | |
| | Open Exit | NO | |
| E4 | <i>Single free exit direction Impuls 0,1-1,0 Sek.</i> | normally open contact | |
| /> | NA | | |
| LSH (E5) | not connected | | |
| | State bit 0 | NO | |
| E6 | Status bit 0 | normally open contact | |
| | State bit 1 | NO | |
| E7 | Status bit 1 | normally open contact | |
| | Fire Alarm | NC | |
| E8 | fire alarm system (BMA) | normally closed contact | |
| | Open Entry 70% | NO | |
| E9 | Einzelfrei 70% Input Direction Impuls 0,1-1,0 Sek. | normally open contact | |
| -10 | Emergency Open Button | NC | |
| EIU | emergency button | normally closed contact | |

Unit 1



| | Entry Confirmation | |
|----|--|---------|
| A8 | <i>Confirmation of passage entry direction Impuls 0,5 Sek.</i> | +12 VDC |
| | Exit Confirmation | |
| A9 | <i>Confirmation of passage exit direction Impuls 0,5 Sek.</i> | +12 VDC |

Unit 2

| Port | Function | Description |
|-----------|--|-------------------------|
| LSU (E1) | NA | |
| | not connected | |
| I SV (E2) | NA | |
| | not connected | |
| | Open Entry | NO |
| E3 | <i>Single free entry direction Impuls 0,1-1,0 Sek.</i> | normally open contact |
| | Open Exit | NO |
| E4 | <i>Single free exit direction Impuls 0,1-1,0 Sek.</i> | normally open contact |
| | LS Exit | NO |
| LSH (ES) | Photocell exit | normally open contact |
| 56 | State bit 2 | NO |
| EO | Status bit 2 | normally open contact |
| F 7 | State bit 3 | NO |
| E7 | status bit 3 | normally open contact |
| FO | Fire Alarm | NC |
| Eo | fire alarm system (BMA) | normally closed contact |
| | Open Exit 70% | NO |
| E9 | single free 70% exit direction Impuls 0,1-1,0 Sek. | normally open contact |
| -10 | Emergency Open Button | NC |
| EIU | emergency button | normally closed contact |



| | Alarm Impuls | | |
|----|---------------------------|---------|--|
| A8 | Alarm Impuls 0,5 Sek. | +12 VDC | |
| | Gate State Error | | |
| A9 | error condition Durchgang | +12 VDC | |

Status Bits

| | Unit 1 E6 | Unit 1 E7 | Unit 2 E6 | Unit 2 E7 |
|---|-----------|-----------|-----------|-----------|
| Status | Bit 0 | Bit 1 | Bit 2 | Bit 3 |
| Normal | | _ | _ | |
| Normal | 0 | O | 0 | 0 |
| Free Entry | | | | |
| Entrance permanently free | 1 | 0 | 0 | 0 |
| Lock Entry | _ | _ | _ | _ |
| entrance blocked | 0 | 1 | 0 | 0 |
| Service Entry | | | | |
| Permanently open entry direction | 1 | 1 | 0 | 0 |
| Free Exit | | | | |
| Exit permanently free | 0 | 0 | 1 | 0 |
| Free Entry/Exit | | | | |
| Input/Output permanently free(N ot implemented) | 1 | 0 | 1 | 0 |
| Lock Entry / Free Exit | | | | |
| Entrance blocked / exit permanently free | 0 | 1 | 1 | 0 |
| tbd | 1 | 1 | 1 | 0 |
| Lock Exit <i>exit blocked</i> | 0 | 0 | 0 | 1 |



| Free Entry / Lock Exit <i>Entrance</i> <i>permanently free /</i> <i>exit blocked</i> | 1 | 0 | 0 | 1 |
|--|---|---|---|---|
| Lock | 0 | 1 | 0 | 1 |
| Gesperrt | | | | |
| tbd | 1 | 1 | 0 | 1 |
| Service Exit | 0 | 0 | 1 | 1 |
| exit direction | | | | |
| tbd | 1 | 0 | 1 | 1 |
| tbd | 0 | 1 | 1 | 1 |
| Self Test | | | | |
| self test | 1 | 1 | 1 | 1 |

Alarms Definition

An alarm is triggered as a follow-up action from signals or other sources (e.g. devices). Navigate to "Configuration" -> "Alarms".

| Wa | Home Dashboard | Status Configuration System WE | EAC Files Statistics | Random Winner | wanzl 🕞 Sig | n out 📃 🕶 | English | |
|----|-----------------------------|---|----------------------|-----------------|-------------------|-------------|----------|-----|
| Sa | ve to File Load from File R | teset | | | | | Rest | art |
| G | eneral Devices Alarms | Signals Output Signals Disp ype Configurations | atchers Displays | Server Lights | Light Schemas Dia | amex Update | | |
| Lo | ad from File | | | | | | Ad | d |
| | Name | Play Sound | Light Schema | Write App Event | Is Server Alarm | Enabled | | |
| | Connection Alive | NoSound | Idle | | | | e | r |
| | Connection Lost | Alarm | Red | | | | 6 | ľ |
| | Counter Pass | Alarm | Red | | | | 6 | ſ |
| | Door Break-In | Alarm | Red | | | | e | T |

To create the alarm click on the "Add" button:



| Gate ~ | FMCU | \sim | Benutzerhandbuch/en |
|--------|------|--------|---------------------|
| 00.00 | | | |

| Save Cancel | |
|------------------------|---|
| Alarm Name | |
| Alarm | ~ |
| Name * | |
| Alarm Name | |
| Enabled | |
| | |
| Priority * | |
| 1000 | |
| Play Sound * | |
| No Sound | ~ |
| Sound Volume * | |
| 80 | |
| Re-Play Sound, ms * | |
| 0 | |
| Activate Output Signal | |
| | |
| Light Schema | |
| | ~ |

An alarm has several general characteristics: Name, Enabled Status, Priority, Sounds settings, Light settings, etc.

In the table below there are descriptions of existing alarms.

| Definition | Description | Status |
|------------------|--|--------|
| Connection Alive | monitors connection to external application | on/off |
| Connection Lost | monitors connection to external application | on/off |
| Counter Pass | is set by anti-rotation protection is activated | on/off |
| Door Break-In | Door is forcibly moved when closed | on/off |
| Emergency | is set if the signals on unit 1 E8 or unit 2 E8 are not active (opener). | on/off |
| Fire Alarm | is set if the signals on unit 1 E10 or unit 2 E10 are not active (opener). | on/off |
| Invalid Ticket | is set if ticket validation fails | Impuls |
| | is set when an object is in the | |



| Motionless Object | gate area for more than a defined period of time and closing is prevented by a timeout. | on/off |
|---------------------|---|--------|
| No Alarm | is set if no alarm is defined for signals | on/off |
| Proceed Alarm | analogous to Motionless Object with a different time span and other actions without light indication | on/off |
| Server Alarm | is triggered in the FMCU server | on/off |
| Tailgating | is set if more than one person is in the gate area | on/off |
| Unauthorized Access | is set if a person is in the gate area when the gate is closed | on/off |
| Valid Ticket | is set if the ticket validation was successful (trigger beep) | Impuls |

Signals

The information in this section is based on FMCU software v2.3.7 and WEAC version 32.14.

| W E | וו | Home Dashboard Statu | IS Configur | ation System V | VEAC Files Sta | tistics Rando | m Winner M | <i>vanzl</i> 🚺 Sign o | out 🔳 🔹 | English | 1 |
|-----------------|----------------|--------------------------------|----------------------|-------------------|--------------------|----------------|----------------------------|-----------------------|-----------|---------|-----|
| Sar Ge Ra | ve to enera | File Load from File Reset | als Out Configura | but Signals Di- | spatchers Disj | olays Serve | er Lights Light Sch | iemas Diam | ex Update | | |
| Loa | ad fro | m File | | | | | | | | | Add |
| | # | Name | Gate side | Policy do open | Policy do close | Reject open | Alarm Type | Action Type | Enabled | | |
| | 0 | Anybody Light Bar [1-50] | NotSet | 0 | 0 | 0 | | NoAction | | Ø | Û |
| | 1 | Broken Device | NotSet | 0 | 0 | 0 | | NoAction | | Ø | Û |
| | 2 | Counter Pass Watcher Program | NotSet | 0 | 1 | 1 | Counter Pass | NoAction | | ľ | Û |
| | 3 | Disinfectant Dispenser | NotSet | 0 | 0 | 0 | | NoAction | | ľ | Û |
| | 4 | Disinfectant Dispenser Program | NotSet | 0 | 0 | 1 | | NoAction | | ľ | Û |
| | 5 | Door Break In Alarm | NotSet | 0 | 0 | 0 | Door Break-In | NoAction | | ľ | Û |
| | 6 | Door Motor Low Speed | NotSet | 0 | 0 | 0 | Door Motor Low Speed | NoAction | | ľ | Û |
| | 7 | Door Motor Over Current | NotSet | 0 | 0 | 0 | Door Motor Over Current | NoAction | | <u></u> | Û |
| | 8 | Door Motor Over Speed | NotSet | 0 | 0 | 0 | Door Motor Over Speed | NoAction | | ľ | Û |
| | 9 | Emergency Remote Entry | Entry | 0 | 0 | 0 | Emergency | Emergency | | | Û |



System

The information in this section is based on FMCU software v2.6.14.

Network

| wanz | Home | Dashboard | Status Co | nfiguration | System WI | EAC Files | Statistics Rando | om Winner | wanzi | 🕩 Sign out | English |
|--------------|----------|-----------|-------------|-------------|-----------|-----------|------------------|-----------|-----------------|------------|-----------------|
| Simulator | | | | | | | | | | Resta | t Reboot System |
| Network | Hostname | Hosts | CA Certific | ates NT | P nginx | FMCU | USB Devices | Hardware | Update Software | e | |
| DHCP | | | | | | | | | | | |
| \bigcirc | | | | | | | | | | | |
| MAC | | | | | | | | | | | |
| b8:27:eb:ea | a:35:49 | | | | | | | | | | |
| Address * | | | | | | | | | | | |
| 192.168.1.9 | 99 | | | | | | | | | | |
| Netmask * | | | | | | | | | | | |
| 255.255.25 | 5.0 | | | | | | | | | | |
| Gateway * | | | | | | | | | | | |
| 192.168.1.2 | 240 | | | | | | | | | | |
| DNS server * | | | | | | | | | | | |
| 8888 | | | | | | | | | | | |

Hostname

| wanz | Home I | Dashboard | Status C | Configuration | System | n WEAC | Files | Statistics Randor | n Winner | wanzi 💽 | Sign out | English |
|------------------|----------|-----------|----------|---------------|--------|---------|-------|-------------------|----------|-----------------|----------|---------------|
| Simulator | | | | | | | | | | | Restart | Reboot System |
| Network | Hostname | Hosts | CA Certi | ificates 1 | NTP I | nginx l | FMCU | USB Devices | Hardware | Update Software | | |
| | | | | | | | | | | 1 | | |
| Hostname | | | | | | | | | | | | |
| Hostname fmcu | | | | | | | | | | · | | |



Hosts

| wanzl | Home | Dashboard | Status | Configurat | ion Sys | tem WE | AC Files | Statistics Ran | dom Winner | wanzi (| Sign out | • | Englist | h |
|---------------|----------|-----------|--------|-------------|---------|--------|---------------|----------------|------------|-----------------|----------|-------|---------|-------|
| Simulator | | | | | | | | | | | Resta | rt Re | boot Sy | vstem |
| Network | Hostname | Hosts | CA Ce | ertificates | NTP | nginx | FMCU | USB Devices | Hardware | Update Software | • | | | |
| | | | | | | | | | | | | | | Add |
| IP Address | | | | | | | FQDN | | | | | | | |
| 102 169 1 101 | | | | | | | for our olour | | | | | | L | - |

CA Certificates

| wanz | Home I | Dashboard | Status | Configurati | on Sys | tem WEA | C Files | Statistics Rando | m Winner | wanzi 🚺 | Sign out | 📕 🕶 English | |
|----------------|------------|-----------|--------|-------------|--------|---------|---------|------------------|----------|-----------------|----------|-------------|-----|
| Simulator | | | | | | | | | | | Restart | Reboot Sys | tem |
| Network | Hostname | Hosts | CA Ce | ertificates | NTP | nginx | FMCU | USB Devices | Hardware | Update Software | | | |
| | | | | | | | | | | | | | Add |
| Filename | | | | | | | | | | | | | |
| wanzl.local.ro | oot-ca.crt | | | | | | | | | | | * | Û |



NTP

| vanzl | Home I | Dashboard | Status Config | uration Sys | stem WEA | AC Files | Statistics Rand | om Winner | wanzi 🕞 | Sign out | ■ • English |
|---|---|--|-----------------|-------------|----------|----------|------------------|-----------|-----------------|----------|---------------|
| Simulator | | | | | | | | | | Restart | Reboot System |
| Network | Hostname | Hosts | CA Certificates | NTP | nginx | FMCU | USB Devices | Hardware | Update Software | | |
| tpd-client | | | | | | ntpd | I | | | | |
| Service is | running | Resta | art | Stop | | 0 | Service is stopp | ed | Start | | |
| ul 11, 2023 2:3 TP servers server 0.debia server 1.debia server 2.debia server 3.debia | 7:27 PM in.pool.ntp. in.pool.ntp. in.pool.ntp. in.pool.ntp. | org iburst org iburst org iburst org iburst | | | | | | | | | |
|] The host is a Save Ca | n NTP serv | /er | | | | | | | | | B |

nginx

| Wanzi Home Dashboard Status Configuration System WEAC Files Statistics Random Winner wanzi 🕪 Sign out 💻 - English | | | | | | | | | |
|---|-----------------------|-----------------|--------------|------|----------------------|-----------------|----------------|--------|--|
| Simulator | | | | | | | Restart Reboot | System | |
| Network | Hostname Hosts | CA Certificates | NTP nginx | FMCU | USB Devices Hardware | Update Software | | | |
| Servi | ce is enabled | Disat | ble | | | | | | |
| Servi | ce is running | Restart | Stop | | | | | | |
| | | | | | | | | Add | |
| Enabled | Filename | Server Nar | ne | SSL | SSL Certificate | SSL Key | | | |
| | fmcu-http wanzl local | \$hostname | .wanzl.local | σ | | | ľ | Ŵ | |
| 0 | | | | | | | | _ | |



FMCU

| Home Dashboard | Status Configuration System WEAC | Files Statistics Random Winner | wanzi 🕞 Sign out 📃 🔹 English |
|----------------------------|----------------------------------|--------------------------------|------------------------------|
| Simulator | | | Restart Reboot System |
| Network Hostname Hosts | CA Certificates NTP nginx FM | ICU USB Devices Hardware | Update Software |
| Service is running | Restart | | |
| Port | | | |
| 8888 | | | |
| Port open | | | |
| Use system CA certificates | | | |
| Save Cancel | | | |

Light Schemas

To navigate the section click "Configuration" -> "Light Schemas". Here you can add and/or customize named color schemes.

| Wanzi Home Dashbo | oard Status Confi | guration System WEAC Files Sta | atistics Random Winner | wanzi 🕞 Sign out 📃 🗸 | Englisi | h | | | | | |
|--|-------------------|--------------------------------|------------------------|----------------------|---------|---|--|--|--|--|--|
| Save to File | Reset | | | | | | | | | | |
| General Devices Alarms Signals Output Signals Dispatchers Displays Server Lights Light Schemas Diamex Update | | | | | | | | | | | |
| Add | | | | | | | | | | | |
| Name | Priority | Led Image Entry | Led Image Exit | Running Light | | | | | | | |
| Emergency | 10000 | Arrow | Arrow | × | Ø | Û | | | | | |
| Open Entry | 10000 | Cross | Cross | | Ø | Û | | | | | |
| Entry And Exit | 10000 | Cross | Cross | | Ø | Û | | | | | |
| Open Exit | 10000 | Cross | Cross | | Ø | Û | | | | | |
| Free Entry | 10000 | Arrow | Cross | × | Ø | Û | | | | | |

Each schema describes the colors and behaviour of FMCU lights elements like enter and exit zones and the door. Existing light schema you can use in settings of **Gates** and **Alarms**.

Click Add to create light schema or click "pen" in the table to edit existing schema.



| Save Cancel | |
|---|---|
| Light Schema Name | |
| Light Schema | ~ |
| Name * | |
| Light Schema Name | |
| Priority * | |
| 10000 | |
| Color Entry On * | |
| | |
| | |
| Color Exit On * | |
| Color Exit On * | |
| Color Exit On * Color Door On * | |
| Color Exit On * Color Door On * | |
| Color Exit On * Color Door On * Light Schema On, ms * | |
| Color Exit On * Color Door On * Light Schema On, ms * 0 | |
| Color Exit On * Color Door On * Light Schema On, ms * O Light Schema Off, ms * | |
| Color Exit On * Color Door On * Light Schema On, ms * 0 Light Schema Off, ms * 0 | |
| Color Exit On * Color Door On * Color Door On ms * O Light Schema Off, ms * O Color Entry Off * | |

Color Exit Off *

Each light schema is described by the fields below

| Field | Description |
|------------------------|--|
| Name | Name of light schema |
| Priority | Priority of using light schema if there is competition situation. Less value means more priority |
| Color Entry On | Color of the gate entry zone during "On" time period |
| Color Exit On | Color of the gate exit zone during "On" time period |
| Color Door On | Color of the doors during "On" time period |
| Light Schema On, ms * | Length of "On" time period in ms |
| Light Schema Off, ms * | Length of "Off" time period in ms |
| Color Entry Off | Color of the gate entry zone during "Off" time period |
| Color Exit Off | Color of the gate exit zone during "Off" time period |
| Color Door Off | Color of the doors during "Off" time period |
| Led Image Entry * | Selected image of the gate entry zone (Arrow, Cross, Empty) |
| Led Image Exit * | Selected image of the gate exit zone (Arrow, Cross, Empty) |



| Running Light | Using "runing light" for the light schema (option) |
|---------------|--|
| 5 5 | 5 5 5 5 |

Click on any field for color to edit color of selected gate element

| Light Schema Name | |
|-------------------|---|
| Light Schema | ~ |
| Name * | |
| Light Schema Name | |
| Priority * | |
| 10000 | |
| Color Entry On * | |
| | |
| 0 | |
| | |
| | |
| | |
| | |
| 34 60 191 | |
| R G B ≎ | |

You can select the color space (RGB, HSL, HEX) to set the required color



Lights

To navigate the section click "Configuration" -> "Lights". Here you can add and/or customize light configurations for different gate's modes.



| Gate \sim FMCU \sim Benutzerhandbuch/e | Gate - | - FMCU - | ~ | Benutzerhandbuch/er | n |
|--|--------|----------|---|---------------------|---|
|--|--------|----------|---|---------------------|---|

| wanzl | Home | Dashboard | d Status | Configuration | System | WEAC | Files | Statistics | Random V | Vinner | wanzi | 🕩 Sign out | • | English |
|----------------------|--------|--------------------|------------------|----------------|--------|-----------|-------|------------|----------|--------|---------------|------------|-------|---------|
| Save to File General | Load f | rom File Alarms | Reset Signals | Output Si | gnals | Dispatche | ers (| Displays | Server | Lights | Light Schemas | Diamex U | pdate | |
| Random Winn | er C | onfiguration | Туре | Configurations | | | | | | | | | | |
| | | | | | | | | | | | | | | Add |

| Name | Normal | Off | Locked | Locked Entry | Locked Exit | Free Entry | Free Exit | Open Entry | Open Exit | Service Entry | Service Exit | Terminated | WEAC | Winner | | |
|---------|--------|-----|--------|-----------------|----------------|---------------|--------------|---------------|--------------|------------------|-----------------|------------|------|--------|---|---|
| Default | Idle | Off | Locked | Locked Entry | Locked Exit | Free Entry | Free Exit | Open Entry | Open Exit | Service Entry | Service Exit | Terminated | Weac | Winner | ľ | Û |

Each configuration has its own name. The image above shows the default light configuration. Click *Add* to create configuration, or "pen" to edit existing one.

| Save Cancel | + | 1/1 | ≯ |
|--|----------|-----|---|
| Default (default_light_mode_configuration) | | | |
| Light Mode Configuration | | | ~ |
| Name * | | | |
| Default | | | |
| Normal | | | |
| Idle | | | ~ |
| Emergency Open Entry Entry And Exit Open Exit Free Entry Free Exit | | | |
| Idle Locked Entry Locked Exit Locked Manual Mode Off Out Of Order Red | | | |

For each mode select existing light schema.

Then you can use the light configuration in "Devices" -> "Gates" settings.



Gate

Gate ~ FMCU ~ Benutzerhandbuch/en

| Wanzi Hom | e Dashboard Statu | Configuration System | WEAC Files | Statistics F | Random Winner | wanzi 🗭 | Sign out 📃 🗸 | English |
|---|--|--------------------------------------|-------------|--------------|-----------------|---------------|---------------|---------|
| Save to File Load General Devices Random Winner | from File Reset Alarms Sign Configuration Type | als Output Signals Configurations | Dispatchers | Displays | Server Lights | Light Schemas | Diamex Update | |
| Gates Light bars | Audio players | Slave FMCUs GPIO | LED players | USB Hul | bs Photo camera | Xovis Cameras | Readers | |
| Name | Class | | | | Port | Turnstile ID | | |

Press "pen" to edit gate settings, and select light configuration.

GalaxyGate (Modbus TCP)

Is firmware version strict EntrylExit Light Disable Gate Light Schema * Default Unit 1 is Galaxy Port Unit 2 is Galaxy Port

Technical Background

The **FMCU** software is based on a customized UNIX operating system, which has been produced using the Yocto Project. Only the required services are activated in the operating system. The optimal support packages for the CPU type are taken into account when creating the operating system. These so-called **B** oard **S**upport **P**ackages (BSP) are provided by the hardware manufacturers and allow optimal and efficient utilization of the hardware resources.

Ø



Functions

In principle, the functions are mapped via the signal processing. The signals are generated by different sources including:

- Light bar
- Light sensor
- Ceiling sensor
- Other

The location of the sensors is shown in the figure below. In each half of the frame there is a so-called "inner zone" and an "outer zone". When passing through an access control, a signal flow diagram is generated, which is used to map the following functions.



The light bar serves as a source for several signals and is also divided into different areas.





The following signals are installed in the standard configuration.

| Signal Name | Frame Half |
|---------------------------|------------|
| Entry Confirmation | Entry |
| Entry Gate Sensor [U1_E2] | Entry |
| Entry Outer LightBar | Entry |
| Exit Inner LightBar | Entry |
| Free Entry [1000] | Entry |
| Lock Entry [0100] | Entry |
| Open Entry [U1_U2_E3] | Entry |
| Open Entry 70% [U1_E9] | Entry |
| Remote Open Entry | Entry |
| Service Entry [1100] | Entry |
| Emergency Remote | Exit |
| Emergency [U1_U2_E8] | Exit |
| Entry Inner LightBar | Exit |
| Exit Confirmation | Exit |
| Exit Gate Sensor [U2_E5] | Exit |
| Exit Outer LightBar | Exit |
| Free Exit [0010] | Exit |
| Lock Exit [0001] | Exit |
| Open Exit [U1_U2_E4] | Exit |
| Open Exit 70% [U2_E9] | Exit |



| Remote Open Exit | Exit |
|---------------------|------|
| Service Exit [0011] | Exit |

Closing-run at reduced Speed

This function applies to signals that have the property **CloseGate** > 0. For the affected signals, the value **Close gate speed,** % * must be defined with a value between 10 and 100%. It is therefore possible to define appropriate closing speeds for different passage scenarios. The default value is set to 100%. In the standard configuration, the following signals meet this requirement.

| Signal | Parameter | Value |
|---------------------------|-----------------------|-------|
| Tailgating watcher | Close gate speed, % * | 100% |
| Entry Gate Sensor [U1_E2] | Close gate speed, % * | 100% |
| Exit Gate Sensor [U2_E5] | Close gate speed, % * | 100% |
| Entry Outer LightBar | Close gate speed, % * | 100% |
| Exit Outer LightBar Exit | Close gate speed, % * | 100% |

Passage Confirmation

This function sets an impulse with an adjustable duration in the connection board for connection **A8**.

Suitcase Trolley Detection

This function is active when the listed parameters are set for the following signals. It means that a person with a suitcase being pulled behind them can pass through prematurely closing swing doors without being disturbed.

| Signal | Parameter | Value |
|----------------------------|--------------------------|-------|
| Middle Gate Sensor [U1_E1] | Protect from force close | true |
| Inner LightBar | Protect from force close | true |

Multiple Opening

This function is only valid if a reader has been set up for the entry direction. It means that several people can pass through the entrance in a row without the swing door being closed in the meantime. Each person must present a ticket at the card reader at the entrance. The swing doors only remain open if the validation is successful. This function is active when the listed parameters are set for the following signals.

| Signal | Parameter | Value |
|----------------------------|--------------------------|-------|
| Middle Gate Sensor [U1_E1] | Protect from force close | true |
| Inner LightBar | Protect from force close | true |
| Entry Outer LightBar | Protect from force close | true |
| Entry Gate Sensor [U1_E2] | Protect from force close | true |



| Tailgating watcher Activated false | |
|--|--|
|--|--|

Tips for Working

If you have lost the overview when configuring the signals, you can use the function

Reset to Default

restore a defined initial state.

If you use the "Rest to Default" function, the current settings will be lost. If necessary, you can export the current configuration before this step.

Verwandte Themen

- Galaxy Gate Bedienungsanleitung
- Beschreibung zentrales Dashboard
- Galaxy Gate Inbetriebnahme
- Applikationsserver Zutrittskontrollen
- Zutrittskontrollen Checkliste IT Infrastruktur

Reset to Default