



SLIDE 2



## Technical manual



# Table of contents

- 1 Safety and warranty..... 3
- 2 General..... 5
- 3 Technical data..... 7
  - 3.1 COM Port 1..... 9
  - 3.2 COM Port 2..... 9
  - 3.3 LAN..... 10
  - 3.4 USB..... 10
  - 3.5 Digital input..... 11
  - 3.6 Digital output..... 11
  - 3.7 Audio Line Out..... 12
- 4 Assembly..... 13
  - 4.1 Accessories for SLIDE 2..... 14
  - 4.2 Cavity wall installation..... 15
- 5 Configuration..... 16
- 6 Network Settings..... 17
- 7 Device settings..... 18
  - 7.1 Display..... 18
  - 7.2 Slider buttons..... 18
  - 7.3 VoIP station..... 19
    - 7.3.1 Video Settings..... 20
    - 7.3.2 Ringtone Setting..... 21
- 8 List of Connections..... 22
- 9 Notes..... 23

# 1 Safety and warranty

These reliable devices are built according to the current rules of technology. They were tested and left the factory in perfect condition.

However, there are residual risks. Read and follow the safety instructions to avoid hazards.

Ekon GmbH assumes no liability for damages caused by non-observance of safety instructions.

## Used safety instructions

The following notes indicate special hazards when handling devices or provide useful hints:

Hints in these boxes are general tips on text that will be highlighted.



### NOTE

The signal word Note indicates useful tips and recommendations for the efficient handling of the product.



### CAUTION

#### Health damage/Property damage

The respective warning symbol in conjunction with the signal word Caution indicates a danger that can lead to slight (reversible) injury or material damage.



### WARNING

#### Serious damage to health

The respective warning symbol in conjunction with the signal word Warning indicates an imminent danger, that can lead to death or serious (irreversible) injuries.



### DANGER

#### Danger to life/Serious damage to health

The respective warning symbol in conjunction with the signal word Danger identifies an imminent danger that leads to death or serious (irreversible) injuries.

## Safety information

Safety instructions for the product described in this document are listed below. Please note these when using the product.



## DANGER

### Electrical Voltage!

Danger to life and fire due to electrical voltage

Inside the device are unprotected live components. Observe the VDE regulations. Disconnect all cables to be installed and take precautions against unintentional switching on. Do not operate the device if damaged. Decommission the device or system and secure it against unintentional operation if it can be assumed that safe operation is no longer guaranteed.



## CAUTION

### Device damage due to external influences!

Moisture and contamination of the equipment can destroy the equipment.

Protect devices from moisture, dirt and damage during transport, storage and operation.

## Warranty

The device is intended solely for proper use. Any improper modification or non-observance of the operating instructions invalidates any warranty or guarantee claim. After unpacking, the device must be inspected immediately for mechanical damage. If there is damage in transit, the supplier must be informed immediately. The device may only be operated as a fixed installation, ie only when installed and after completion of all installation and commissioning work, and exclusively in the environment provided for this purpose. Ekon GmbH shall not be liable for changes to standards after publication of the operating instructions.

## 2 General

The myGEKKO SLIDE 2 is a display controller for the implementation of all areas of modern building control.

The combination of numerous complex control algorithms with a user-friendly and easy-to-understand interface enables the visualization and operation of the various building functions. All adjustments can be made by the customer directly on the display. The configuration and commissioning is carried out directly via the myGEKKO SLIDE and via the already installed software. Commissioning takes place via the IO configuration or the parameterization level. Programming skills are not necessary for this.

The myGEKKO SLIDE is equally suitable for use in private as in business.



### Functions

- 1 x 8.4" touch screen with 16 million colors
- 9 x LED touch fields
- 2 x integrated speakers
- 1 x integrated microphone
- 3 x USB ports (2 x on the bottom, 1 on the back)
- 1 x brightness sensor internally
- 1 x internal temperature sensor
- 1 x RS485
- 1 x RS485/RS232
- 1 x LAN (RJ45)
- 1 x Line Out

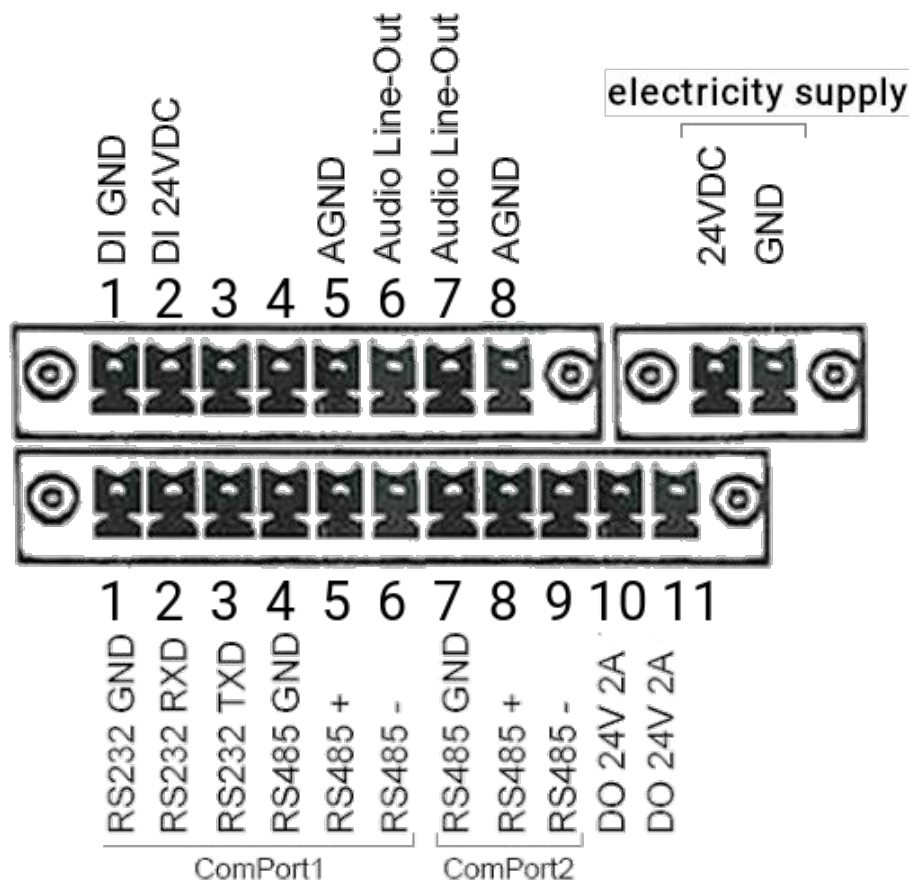
- Clever technology** The myGEKKO SLIDE is the mouthpiece between you and your house. You can operate, control, and optimize all systems centrally. You always have an overview of your entire house and can intervene directly. The display, as well as the pushbuttons, are equipped with the capacitive touch technology. This makes the operation of heating, ventilation, shading, and lighting even more intuitive and easier.
- Clear user interface** The myGEKKO SLIDE is the mouthpiece over which you can survey and operate all the technology in the house. The unified, intuitive user interface allows you to individually personalize lighting, shading, ventilation, electrical appliances, as well as heating, irrigation and music systems without technical support, as well as to create time clocks and scenarios. Via the trend display you can read the daily or weekly course of the individual systems and the energy consumption. You will receive accurate information about consumption and costs and can react immediately accordingly.
- Human - House - Technology Teamwork with learning effect** With myGEKKO you get a system that you understand and with which it is easy to gain experience. The touch operation, the flexible configuration, and the transparent presentation of the events motivate you to actively deal with your house. You will learn about your house through testing and testing, receive direct feedback, gain your own experience and enjoy working with myGEKKO. The more you deal with the topic of home technology, the more feedback you receive, and the better you will get to know the individual systems and will thus have a wealth of knowledge after some time. Start with simple adjustments such as setting the light and shade. Thus, by optimizing the settings step by step and adding new functions, you can become the expert for your entire home.
- Holistic concept For your home** The myGEKKO SLIDE is a compact controller with a user-friendly user interface and numerous stored control algorithms. Complex controls such as double pump control, air conditioning and enthalpy control can be implemented as well as light and shade control. For the installer, myGEKKO offers numerous interfaces for different installation and media bus systems. Whether e.g., Modbus, myGEKKO, EnOcean, or KNX, the optimal type of network can be chosen depending on the conditions of the building and the user. In addition to the interfaces for the various installation buses, myGEKKO includes numerous device interfaces. Their task is to integrate the devices of different, renowned manufacturers into the control system. The devices thus become an integral part of the entire home and building control.

### 3 Technical data

Parameters	Value
Housing	Glass
Color	White
Assembly	Cavity wall, concealed
Dimensions (WxHxD)	220 x 320 x 20 mm
Weight	ca. 1.5 kg
Operating temperature	+10°C to +35°C
Storage temperature	-20°C to 50°C
Ambient humidity	Max. 65% rh (without condensation)
Operating life	Continuous operation
Power supply	24 V DC
Sleep energy	180 mA
Power consumption display	170 mA
Power consumption 9 x LED buttons	120 mA
Power consumption max.	1400 mA @ 24V DC
Display size	8.4"
Operation	Capacitive touch surface 9 LED fields with quick control and
Display resolution	800 x 600 Pixel
Color Resolution	16 million
Pixel error	2
Audio interface	2 x integrated speakers 1 x integrated microphone
Interfaces	1 x LAN (RJ45) 1 x Line Out 1 x RS485/RS232 (COM Port 1) 1 x RS485 (ComPort 2) 2 x USB 500 mA bottom 1 x USB 500 mA backside 1 x DI 24V DC 1 x DO 24V DC
Sensors	1 x internal temperature sensor 1 x brightness sensor internally
Protection class	IP20

Parameters	Value
Degree of soiling	2
EMC	CE according to 2004/108/EC
Certifications	EN60529 EN60664 EN62262 EN55022 EN55024 EN61000-6-2 EN60730-1 EN60950-1

### Connection

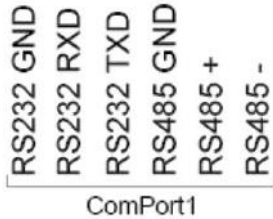




### 3.1 COM Port 1

The COM Port 1 can be used as RS232 OR as RS485 interface. All myGEKKO compatible RS485 devices can be connected.

Parameters	Value
Interface	RS486 or RS232
Baud rate	9,600, 19,200, 38,400, 57,600 and 115,200
Parity	adjustable



### 3.2 COM Port 2

The COM Port 2 is an RS485 interface at the myGEKKO. All myGEKKO compatible RS485 devices can be connected.

Parameters	Value
Interface	RS485
Baud rate	9,600, 19,200, 38,400, 57,600 and 115,200
Parity	adjustable



### 3.3 LAN

The myGEKKO can be connected to the network via the LAN interface

Parameters	Value
Ethernet type	10/100 base T



### 3.4 USB

The myGEKKO SLIDE 2 has 2 USB interfaces with 500 mA each at the bottom. At the back there is another USB interface with 500 mA available.

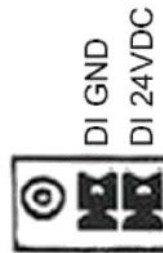
Parameters	Value
USB Type	USB A
Voltage	5V
Current max.	500 mA/USB port



### 3.5 Digital input

The digital input can be used with 24V DC input voltage.

Parameters	Value
Input	Optically isolated
circuit insulation voltage	1 kV
Input voltage	24 V DC
Switching point	<5V DC



### 3.6 Digital output

The digital output can be used as potential-free contact.

Parameters	Value
Output voltage	24 V DC
Continuous current	2A
Isolation	1 kV



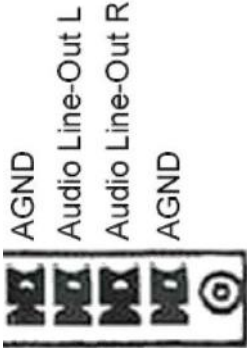
### 3.7 Audio Line Out

A line out signal (left and right) can be taken.



**NOTE**

Attention, to avoid disturbances on the LineOut signal, the ground must be connected to the LINEOUT\_GND.



## 4 Assembly

**Ideal mounting height** The display is ideally mounted at the user's eye level for easy operation. Too deep mounting can lead to back problems.

**Recessed mounting** Attach the holder to the UP socket with appropriate screws. Hang the display on the holder.



### NOTE

The flush-mounted box must be mounted vertically and flush with the top coat.

## 4.1 Accessories for SLIDE 2

### Slide-in frame for myGEKKO SLIDE2

The slide-in frame is required for flush mounting of the myGEKKO Slide and mounted on the flush-mounted box.

- Article: GEK.EBC.FMS.5101



### Flush-mounted box for the myGEKKO SLIDE 2

The flush-mounted box is required for the installation of the myGEKKO Slide 2 building controller in masonry/concealed areas.

- W x H x D: 169 x 308 x 70
- Article: GEK.EBC.MOS.5101



### Cavity wall socket for the myGEKKO SLIDE 2

The cavity wall box is required for the vertical installation of the myGEKKO Slide 2 in drywall construction.

- W x H x D: 200 x 320 x 75
- Article: GEK.EBC.HWS.5101



### Flush mounting box for the myGEKKO SLIDE 2

The flush mounting box can be used to install the myGEKKO Slide 2 in dry-wall construction. During installation, a 4 mm shadow gap is created for the display.

- W x H x D: 233 x 341 x 80
- Article: GEK.EBC.FMB.5101



## 4.2 Cavity wall installation

### **Installation** Description for cavity wall mounting

For cavity wall mounting, a hole measuring 200 mm x 320 mm x 75 mm must be created, in which the housing can be inserted.

1. The cavity wall box is fastened with four clamping screws or metal claws on the sides.
2. First turn the clamping screws so that the claws are pointing inwards.
3. Then position the can at the desired location.
4. Now turn the claws outwards and screw them in, which fixes the cavity wall box in the wall.
5. Then attach the display to the mounting frame.



## 5 Configuration

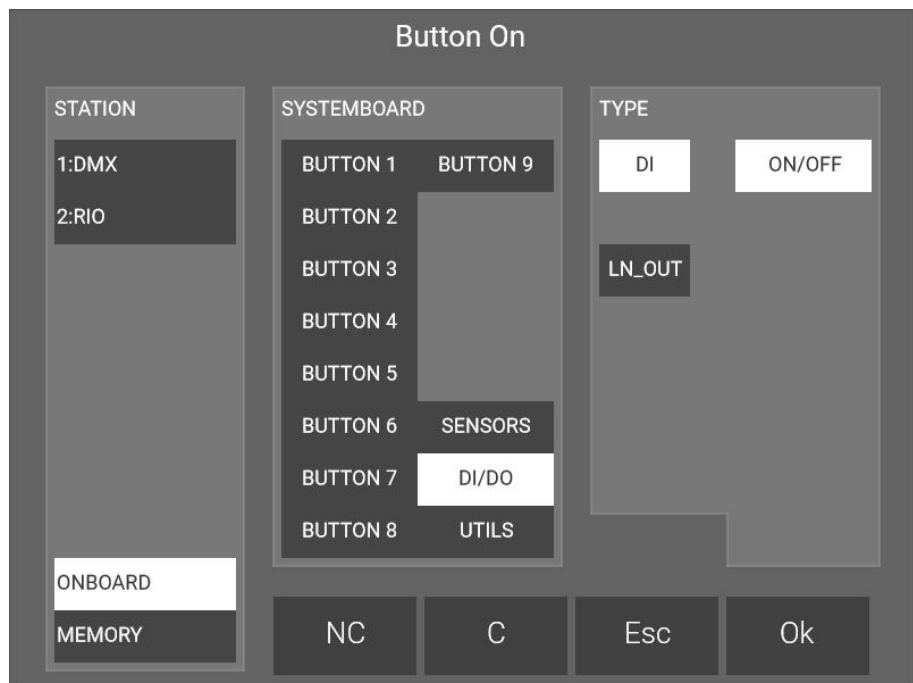
- Access**
- User: w
  - Administrator: ww
  - Configurator: mygekko

There are the following options to access the myGEKKO Slide 2:

- Directly over the display
- Viewer
- Live Viewer
- Live Web

### DI & DO at the myGEKKO SLIDE 2

In the IO configuration you will find all the inputs and outputs that are directly on the myGEKKO Slide 2 under the menu item "ONBOARD".





## 6 Network Settings

**Factory Settings** When resetting to factory settings, the I/O configuration will not be changed.

- Netzwerk: LAN DHCP
- Local Web Access HTTP/HTTPS: Locked
- VNC: Locked
- myGEKKO Viewer: Locked
- myGEKKO Net: Locked

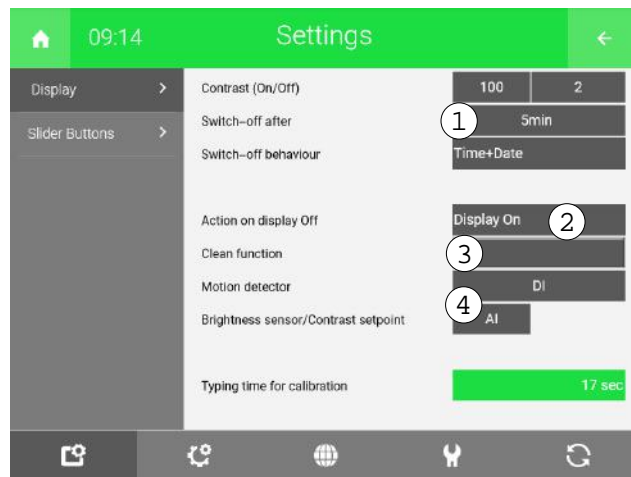
**LAN Static** If the network type is set to LAN Static, the following IP addresses are adopted by default.

- Default IP Address: 169.254.1.210

## 7 Device settings

### 7.1 Display

1. Define the desired display contrast for switching on and off. If you do not specify a value, the display is switched off upon shutdown. You can also set the time after which the shutdown is executed and define the shutdown behavior.
2. Under "Action on Display off" you can define whether you want to switch on the display at the first push of a button or if you want to perform an action already. If you have set the "Display Contrast Off" to 0, we recommend setting "Display On".
3. Cleaning function: The display and the slider buttons are locked for 30 seconds
4. 2 inputs can be defined here with which the display is switched on (DI) or the brightness of the display is regulated (AI)

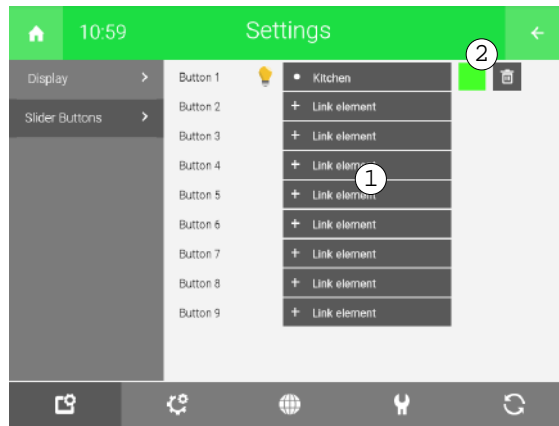


### 7.2 Slider buttons

In this menu the slider buttons can be configured.

1. Click on "Add element" and select the element that should be controlled on this button. (For the different functions see the table below)
2. By tapping on the colored bar next to the elements, you can set the desired indicator light in the color wheel





System:	Swipe Up	Tap in the middle	Swipe Down
Light	You enter the lamp menu or increase the dimming level	They turn the lamp on and off	You enter the lamp menu or reduce the dimming level
Ventilation	The ventilation is switched one step higher	The ventilation is switched on or off	The ventilation is switched down one level
Disposals	Enter the exit menu	The exit is started or stopped	Enter the exit menu
Actions	Enter the action menu	Executing action	Enter the action menu
Access	The door is kept open	The door is opened or "keep open" is disabled	"Keep open" is deactivated and you get into the menu
Alarm system	Enter the alarm system menu	-	Enter the alarm system menu
Music	The music gets louder	The music starts in the selected room	The music is turned down
Video	Enter the camera menu	Enter the camera menu	Enter the camera menu
Alarms/Logics	Enter the Logics/Alarms menu	-	Enter the Logics/Alarms menu
VoIP	-	Answer or hang up calls	-

### 7.3 VoIP station

VOIP (Voice over IP) stands for telephoning over the network/Internet. myGEKKO can be used as a VOIP videophone and communicate with other VOIP-enabled devices. The main application is the connection of VOIP indoor telephones to implement a video intercom system. In the following, reference is always made to the VoIP telephone station, but it

is also possible to communicate with other VOIP-capable devices.

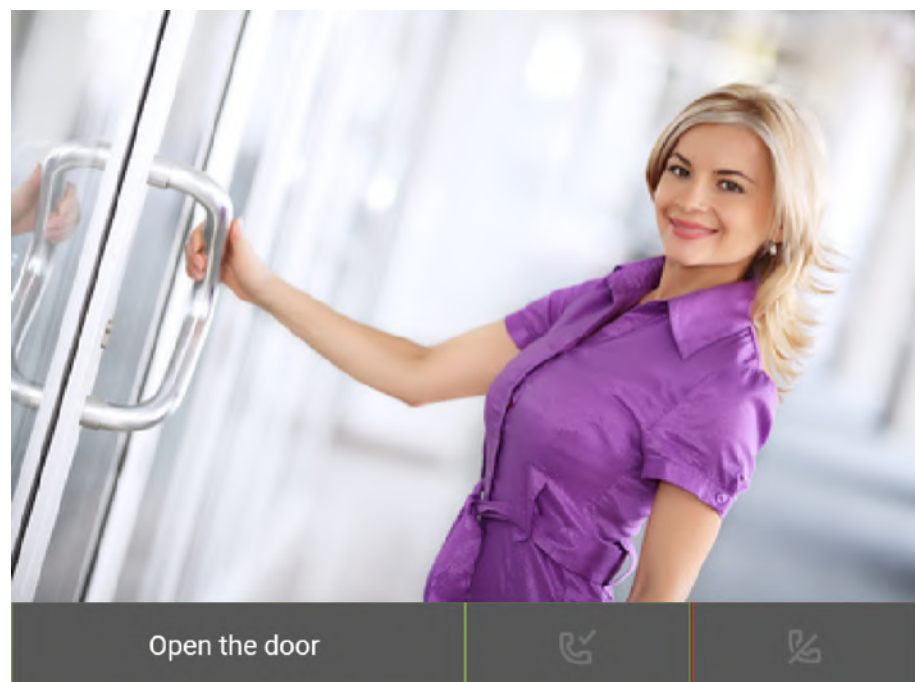
### 7.3.1 Video Settings

Indoor units can be optimally integrated via the camera menu. If an incoming call of the indoor unit is detected with the defined user, the corresponding full screen of the camera is displayed. In addition, you can define a button name including a button action, such as a door opener.

The screenshot shows a mobile application interface for video settings. At the top, there is a green header with a home icon, the time '14:03', the title 'Video', a settings gear icon, and a back arrow. Below this is a blue header with a document icon, the title 'Front door', and the word 'Parameters'. The main content area is a form with several fields:

- Path(jpg):** `http://192.168.10.220/api/camera/snapshot?width=640&height=480` | 100 Images/min
- Path(mjpg):** `http://192.168.10.220/api/camera/snapshot?width=640&height=480&fps=15`
- Path(Cgi):** (empty field)
- Data:** door | 1 Images | On
- Display for:** 20 sec
- Popup window:**
  - Button name:** Open the door
  - Button action:** • Front door | Open |

If an incoming call is detected, the respective video picture appears with the possibility to answer the call and to unlock the door with the button action. In addition, you can mute the doorbell by tapping on the display image.

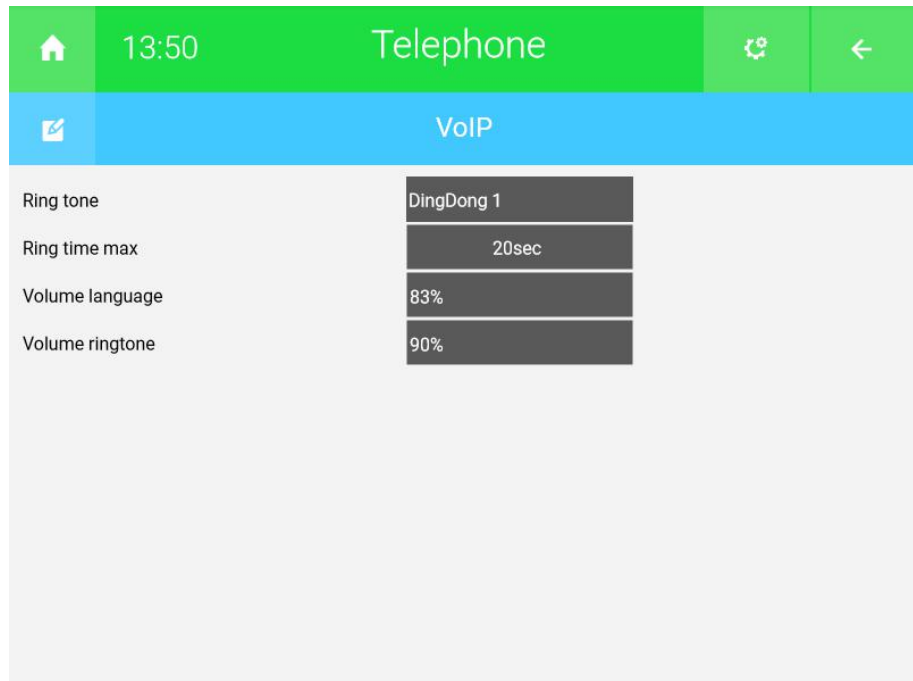


## 7.3.2 Ringtone Setting

You can make the following settings here:

You can define a ringtone including the maximum ringing time, the volume of the voice output, and the ringer of myGEKKO.

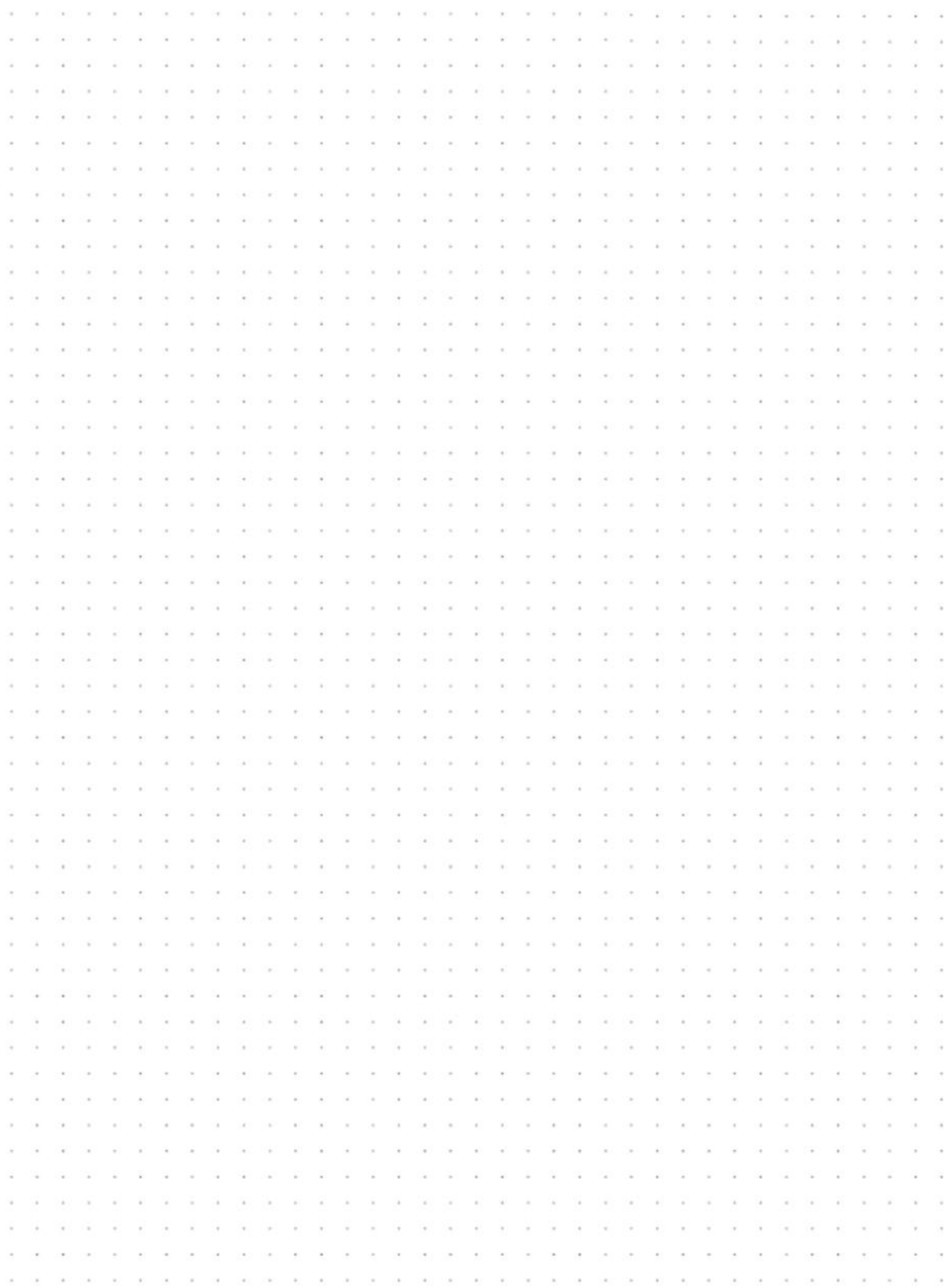
Touch the Ringtone box to select one of the predefined ringtones. You can also define a maximum ringing time, the desired volume for the language and the ringtone.



# 8 List of Connections

Connecting terminal	Description	Notification
COM Port 1 RS485/RS232		
COM Port 2 RS485		
LAN		IP:
Digital input DI 24V DC		
Digital output 24V DC		
Audio Line Out L		
Audio Line Out R		

# 9 Notes



## **Technical manual** *SLIDE 2*

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