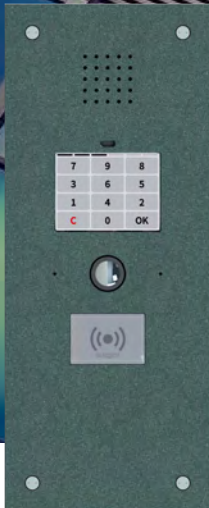


# Video Door Intercom - Compatible with MX Solutions

Multi-tenant System with Direct SIP Calling and Access Control featuring Three-factor Authentication.



frogTerminal S3+



frogTerminal KS



## Cutting-Edge Technology for Door Communication

The frogTerminal not only replaces the MOBOTIX® door station, but also offers numerous enhanced features and functionalities. At the forefront is its crystal-clear, high-volume audio with perfect echo cancellation. Smartphones are easily integrated in minutes via the frogCloud using the built-in setup wizard. The integrated touchscreen enables direct communication at the station, automatically switching from address display to a call list or call icon when someone approaches.

## Full Integration with Existing MOBOTIX Solutions

Mechanical integration is elegantly solved with multiple adapter variants for easy replacement. Software integration with the MX Management Center, MX-Hub, and Milestone® is fully supported. Special applications can also be integrated via IP-Link and IP-Notify.

## Expanded Functionality for Access Management

Access can be granted flexibly and on a time-controlled basis using PIN codes and/or RFID transponders. The frogSIP app with frogCloud offer seamless integration with Apple® and Android® smartphones, and enable remote configuration. Custom user interfaces can be developed using the provided SDK, which can be configured via IP and launched in kiosk mode.



**The German Experts in Smart, Energy-Efficient Building Solutions and Communication**

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## Hardware Interfaces

The integrated relay (12/24V, 1A) allows direct door release. Two input contacts are available for connecting doorbell buttons or magnetic contacts. Additional frogblue modules – such as the frogEntry – can be integrated via Bluetooth Mesh to control motorized locks and more.

## Networks and Protocols

Communication is possible via Gigabit Ethernet with PoE (Class 3) or Wi-Fi. In addition to PoE, the terminal can be powered with 24V AC/DC or 12V DC. Supported protocols include MQTT, SIP, and RTSP with H.264.

## Smartphone via frogCloud and frogSIP App

The frogSIP app is available at no additional cost from the Apple® App Store and Google® Play. Pairing with the frogTerminal is done via QR code or PIN. The app displays call and event history (including video) and lets users define Access Codes and Function PINs to trigger actions via the frogTerminal.

## Decentralized Access Control

The frogTerminal supports RFID transponders (Desfire EV2) with weekly schedules, PIN codes, and door zones. Access credentials are stored and updated directly on the transponder – no pre-registration on individual terminals is required. Thanks to its decentralized architecture, access control remains fully functional even during network outages.

## Three-Factor Authentication

Access can be secured using a combination of RFID transponder, PIN entry, as well as phone call verification – ideal for enhancing security outside of business hours.

## SDK

Via IP, the default GUI can be disabled and replaced with a custom interface. Reading QR codes is supported for enhanced functionality.



## Telephony & Action Sequences

With a single button press the frogTerminal can initiate calls to multiple destinations using different protocols. If the call is unanswered, the system moves to the next call entry. In addition to calls, IP or Bluetooth-based actions can also be triggered.

## Call Target Options

- via name list on the touchscreen
- by unit number on the touchscreen
- using the two contact inputs
- over IP links, including IP-Notify from MX cameras
- through Bluetooth Mesh modules

## Supported Call Types

- SIP audio/video
- Direct SIP calls (no server required)
- Calls to MX ManagementCenter (EventStream)
- Registration with multiple SIP servers
- Smartphone calls via frogCloud
- Group calls
- Time-based call forwarding

## Supported Actions

- Trigger relay outputs
- Activate action groups
- Initiate phone calls (with audio announcements)
- Send IP links and IP-Notify (MX)
- Execute frogblue Bluetooth Mesh commands

## Telco Cloud Integration

The frogTerminal can register with SIP clouds and telecom provider gateways, integrating seamlessly into cloud PBX systems. All control signals, event tracking, and building automation communication typically occur over the SIP channel – no open ports or additional IP connections required.

## Integrated Wireless Building Automation

frogblue's Bluetooth®-based modules ("frogs") manage a wide range of automation tasks – lighting, doors, blinds, fans – and collect data from sensors like temperature probes or door/window contacts. All modules integrate seamlessly via frogblue's patented Bluetooth® Mesh.