



The Professional, cable-free electrical installation

Easy decentralised Installation - High security - Ever scalable - from Loft to Industrial Site





Product Highlights

- **Professional** solution to high quality standard (VDE + ILAC)
- **Instant recovery** from power outage to last state within 1 sec
- Works with all **standard switches** from popular manufacturers
- **Heating-Cost & Energy Savings** throughout the house
- Integrated **SIP Video Door Intercom** system with smartphone connectivity
- Building control **independent of IT infrastructure** and the Internet
- **High reliability**, as no central hub/server required
- **Maintenance Safety** through automated documentation
- **Highly secure** through encryption and timestamps



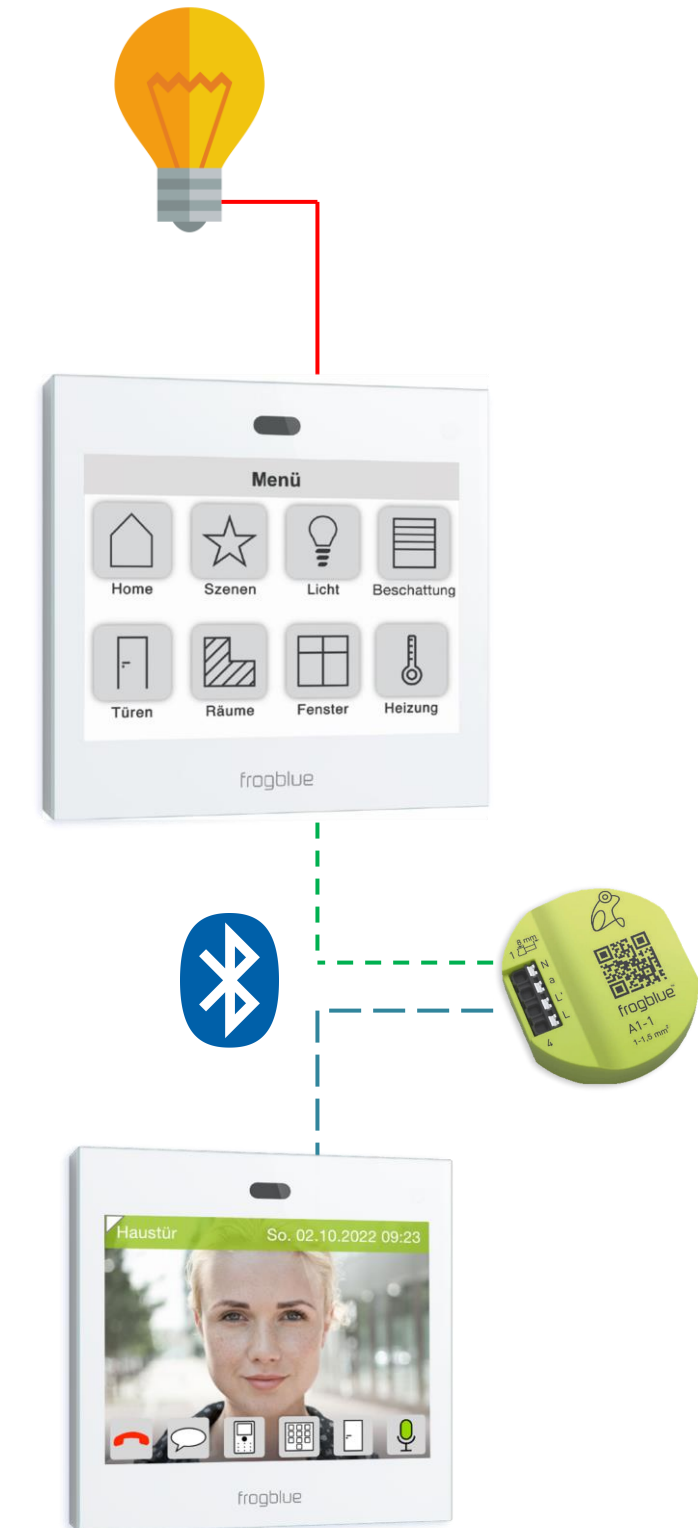
This is a Frog!!!





What does frogblue™ do?

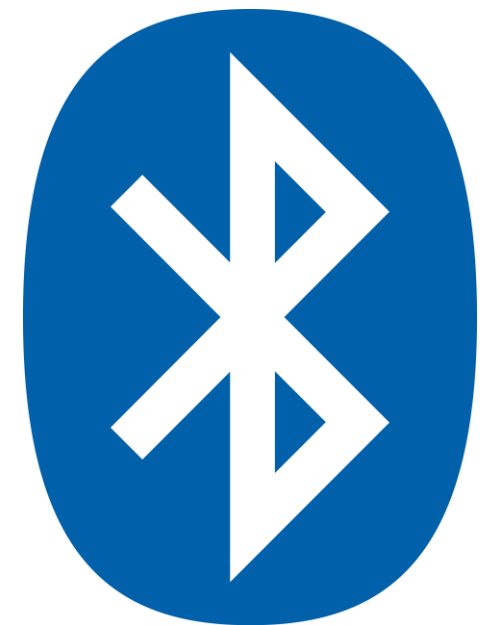
- Frogblue provides wireless connectivity to transform your home or property into an intelligent smart home with one platform to manage your access control, video communication, lighting, ventilation, shading, and heating.
- Frogblue provides automation and control for properties ranging from single-family homes to condominium complexes and from single office boardrooms to entire industrial facilities.
- The system monitors the property, record events, and send **alarms** directly to any smartphone. Our **Video-SIP door intercom** enables decentralised **access-control solutions** with card and PIN from multi-party scenarios to large-scale properties.
- Our key strengths lie in the **reliability** and security of a **mature system**. Frogblue is completely designed and manufactured in Germany.





Building Automation

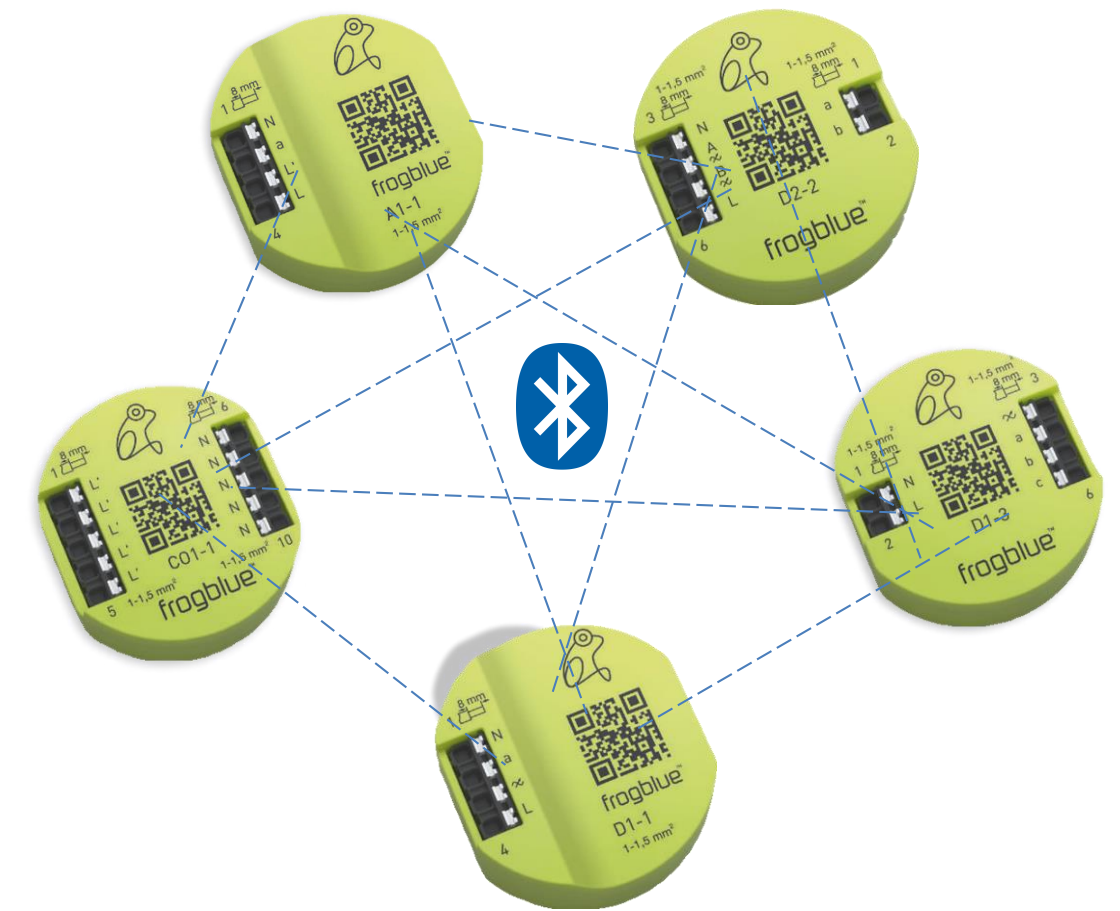
- Frogblue offers a variety of actuators and sensors for building automation.
- Frogblue offers a **decentralized** installation requiring no control cables or switching cabinets, installed behind light switches exceptionally **efficient** and **expandable** any time.
- Frogblue incorporates **Bluetooth Mesh** for redundant and **highly encrypted** wireless communication. Thanks to the **communication redundancy** offered by Frogblue's Bluetooth Mesh, partial components failures or disturbances won't affect the core system communication.
- A frogblue system is self-documenting, ensuring operational clarity and accountability for years to come.





Seamless Infrastructure-Independent Building Control

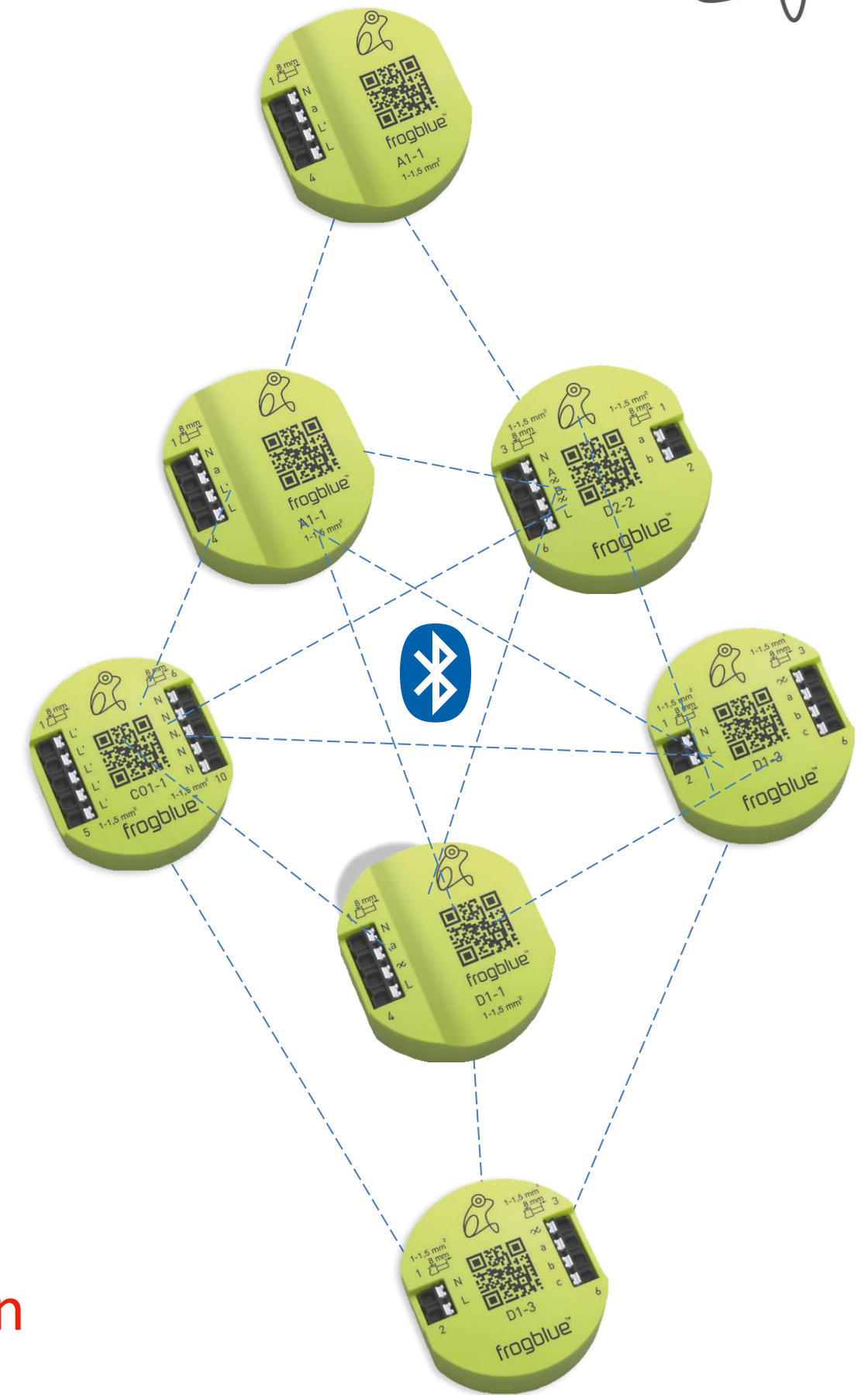
- The frogblue building automation system building automation system operates **independently** of existing ICT infrastructure, **no required network or Wi-Fi connectivity**.
- Control wiring too is redundant, only mains power required.
- This **significantly reduces** the need for **wiring harnesses, cable trays, and core drilling**.
- Frogblue requires **no switchboard** or sub-distribution modules, saving space, minimising labor, and reducing energy costs.
- Reduced cabling also simplifies fire safety measures





Wireless, but not your usual Wi-Fi

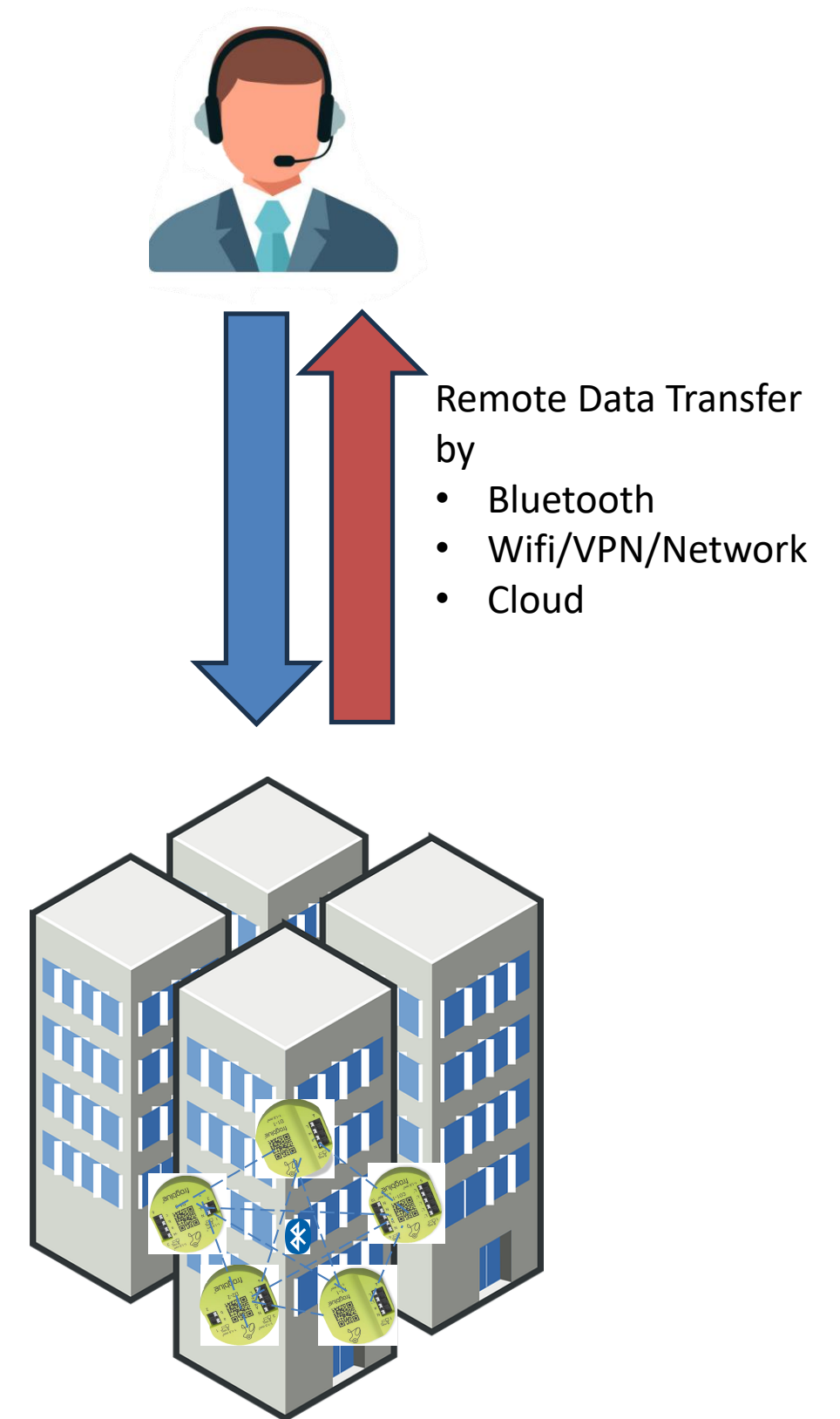
- Our Bluetooth Mesh is very reliable and highly interference-resistant
- We are not a typical signaling solution and, for this reason, don't suffer from the same range and scalability limitations in buildings, as every frogblue module relays incoming messages until all modules have been reached.
- Unlike traditional radio or Wi-Fi systems, our setup eliminates central components that could fail, ensuring uninterrupted message mediation. Our messages are highly encrypted and secured against external interference thanks to our integrated time-stamping.
- ==> frogblue ensures reliable and extra secure data transmission. Our BLE can handle upto 50* mtrs of distance frog to frog.





Cloud access on demand

- Cloud services or internet access is **not a prerequisite** for Building control. Also, **zero data stored offsite** from your building.
- For **remote control**, operators can activate either a **secure VPN** access or the complimentary **frogCloud**. Our configuration assistant automatically and securely establishes a connection to your smart device.
- FrogCloud does not require an account or email address; it's **anonymous** and **free-of-charge**. Our cloud utilises the **universal MQTT standard** and is managed from a datacenter in Germany.
- ==> **Only users seeking external building control require frogCloud.**





Frogblue™ Range



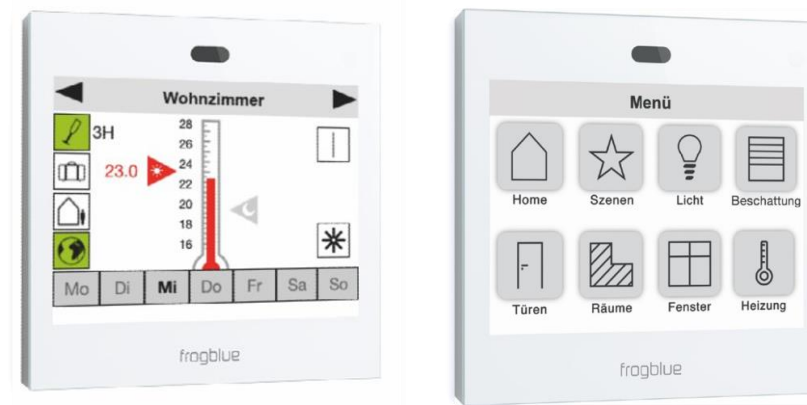
WIDE RANGE OF INTELLIGENT FROGS – FLUSH MOUNTED



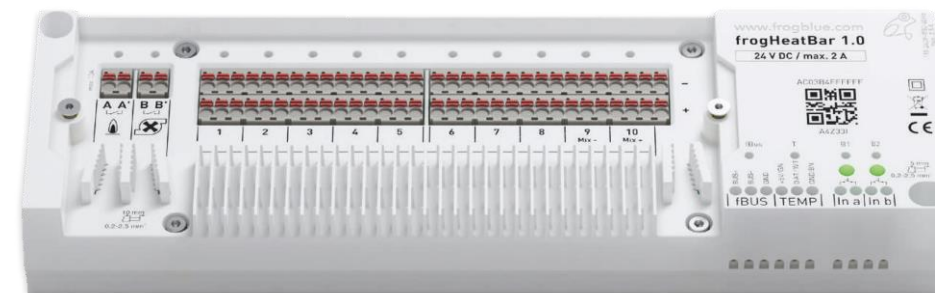
FROG SECURITY CUBES FOR ACCESS & MOTION



One- Button Control Gyro FOB



HVAC & OTHER HEAVY ELECTRICAL CONTROL

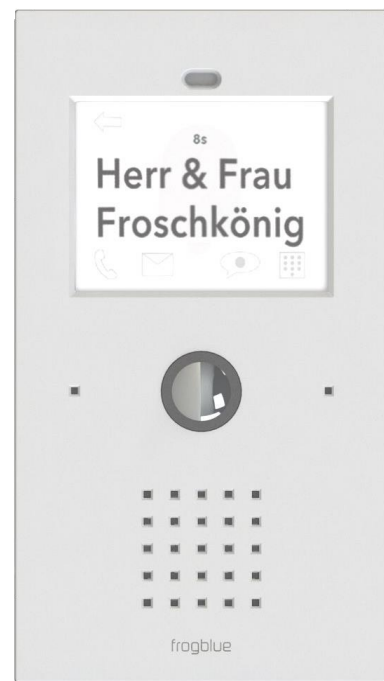


VIDEO INTERCOM, SECURITY & ACCESS CONTROL

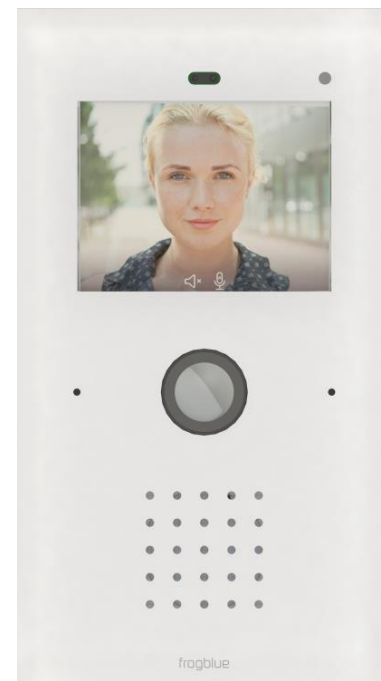




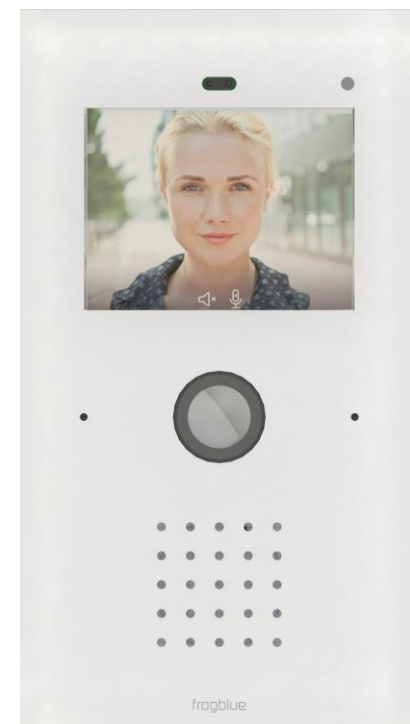
frogTerminal Models



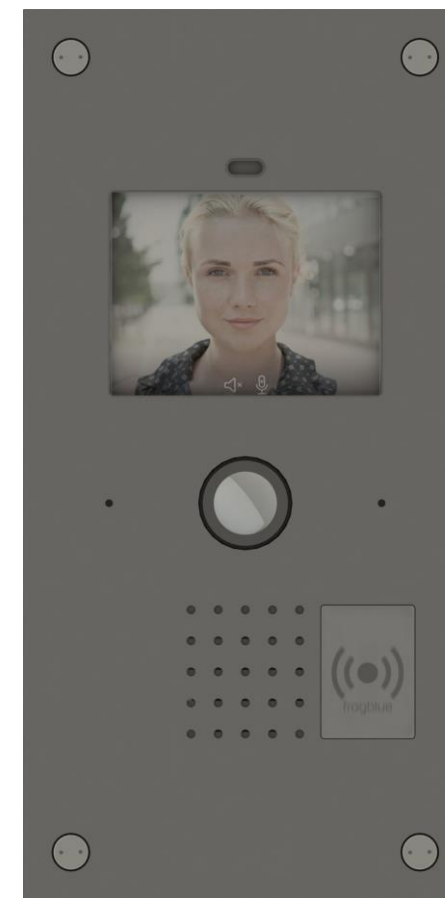
KS-Line
white, silver, anthrazit
UV paint stabilizied
Quick Mount



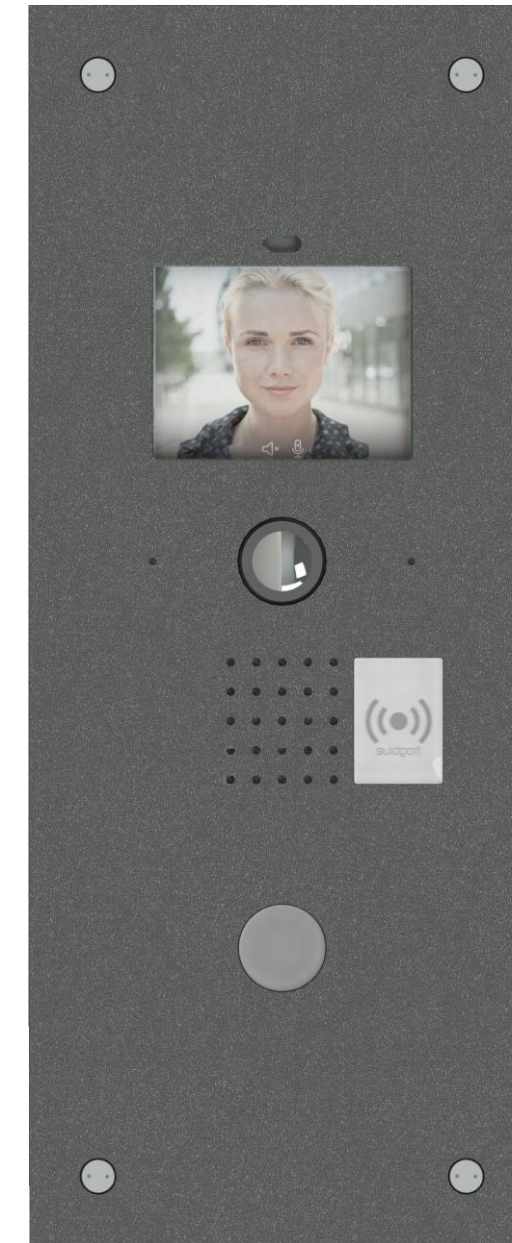
ALU-Line
white, silver, anthrazit
UV paint stabilizied
Quick Mount



Glas-Line
white, silver, anthrazit
UV paint stabilizied
Quick Mount



S2 ALU
white, silver, anthrazit
UV paint stabilizied



S3 ALU
white, silver, anthrazit
UV paint stabilizied



S3 Vario ALU
white, silver, anthrazit
UV paint stabilizied



Frog Terminal

- Based on the **universal SIP standard**.
- Supports multi-party scenarios & large-scale distributed properties.
- Can simultaneously incorporate multiple SIP PBXs and SIP servers.
- **Direct SIP calls** to any IP video phone.
- Automatically connect a smartphone to the intercom via our SIP cloud
- **8-MP Camera** with light sensitive optics, full 180° panoramic view.
- Dual Mic, High Quality Speaker, & Noise Cancellation.
- **Video-log** records both ring events and door access via PIN or RFID.



Access control with frogTerminal

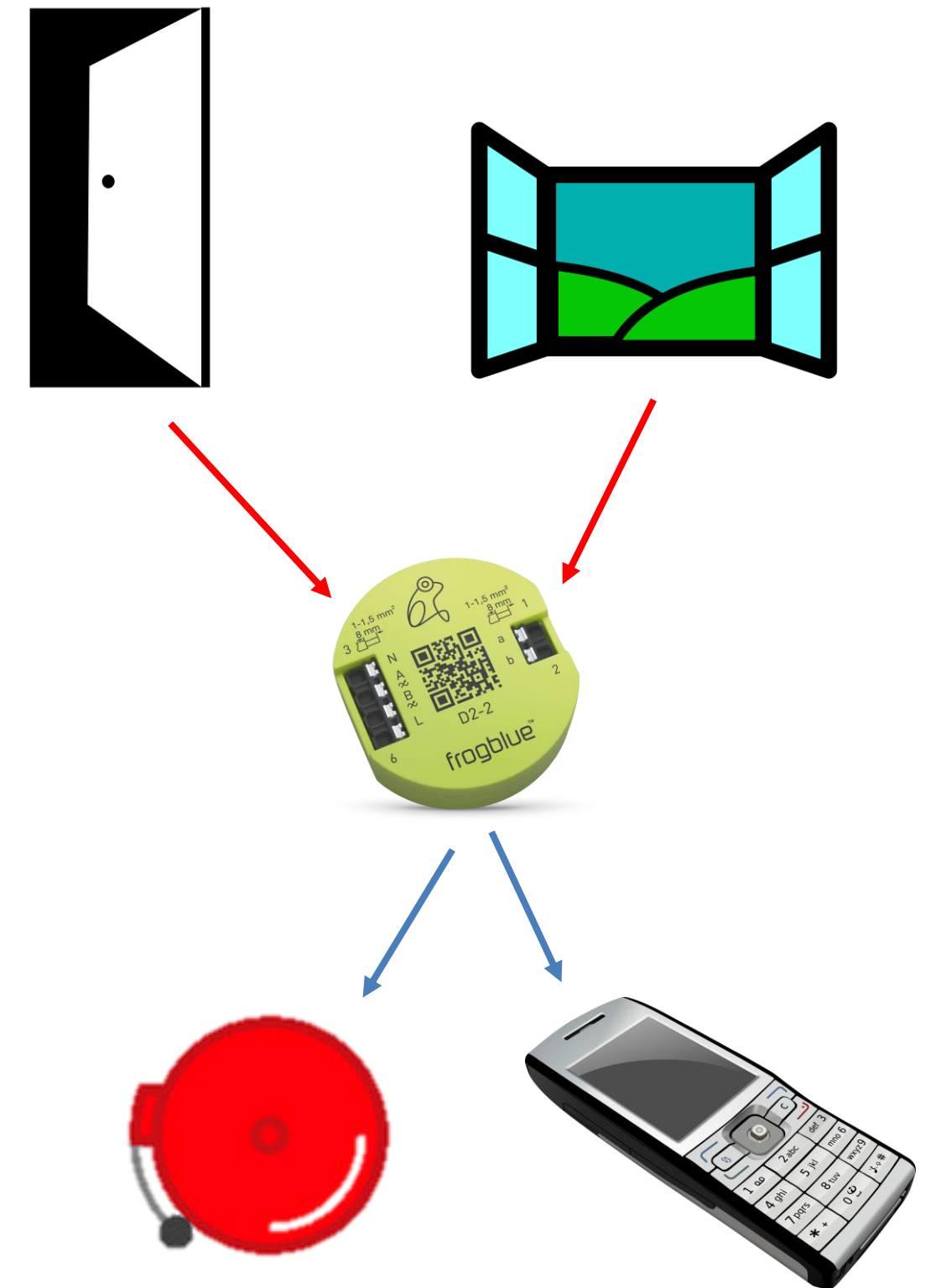
- Individual **schedule-bound PIN numbers** for door access.
- Scrambling of numerical keypad layout on the display during entry.
- Integrated DESFire EV2® RFID reader plus PIN for **two-factor authentication**.
- Optionally, or outside of access hours, automatic call verification for **three-factor authentication**.





Alarms and Notifications

- Trigger alarms and sends push **notifications to smartphones**. Monitors doors, windows, and motion detectors & more.
- **Event log** records every single operation and can display them on the smartphone from anywhere in the world, indicating, for example, when doors were opened or windows closed.
- Enabled alarms are communicated **via phone call** or email. Should these remain unacknowledged, a third party can be informed.





The power of wireless frogblue automation for DALI

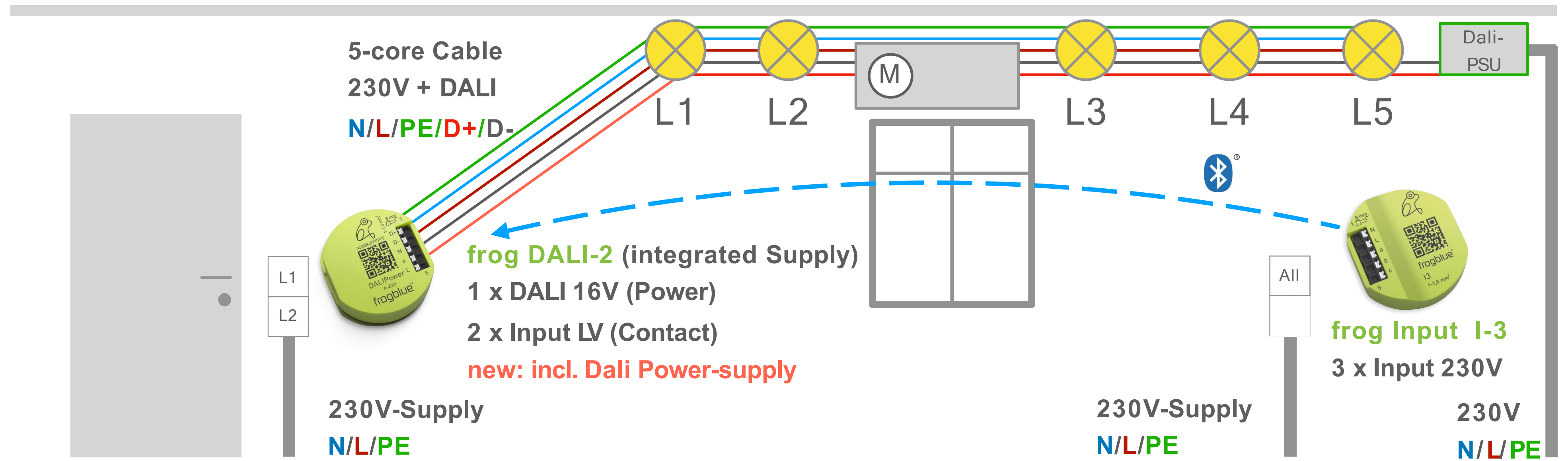


DALI Frog

- DALI is a universal bus system for lighting technology.
- Up to 64 lights with 16 groups.
- No extra bus cable needed, data lines up to 300 meters, all within a 5- core power cable.
- Two button inputs, controls DALI-2® lights via broadcast, by groups, and individually.
- frogDALI-Power 1-1 includes the DALI bus power supply and direct control of lighting through integrated button and dimming input.



Lighting Control DALI






Intelligent Frog, Smart Home

- Each Frog is a fully operational Linux OS based mini computer with memory, IO functions and applications. Once programmed, they run independently.
- All frogs are programmed simultaneously and updated simultaneously. Their configuration determines their outcome. Extremely easy for installation, maintenance, upgrades and even operation
- Multiple functions can be assigned to even a simple switch through the frog like different lighting moods, curtain control and even silent panic alarm.
- Remote updates, control and operation is easy on IOS and Android based Frog apps.





Thank You for your attention

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**COMPETENCE
CENTER (MEAA)**
certified by **frogblue**