



LECTUS blue Frequently asked questions

Bosch Mobile Access

General Questions

1. **What is Bosch Mobile Access?**

Bosch Mobile Access enables access to buildings and secured areas using smartphones instead of traditional access cards. The solution is fully integrated into the Bosch Access Management System and offers an efficient, secure, and user-friendly way to manage access control. Communication between access control readers and smartphones takes place via Bluetooth Low Energy (BLE)

2. **Why should I choose the Bosch Mobile Access solution?**

- **Convenience:**
Your smartphone is always with you—no more lost cards! Access rights can be conveniently sent via email.
- **Security:**
Secure communication and optional two-factor authentication provide the highest level of protection.

- **Sustainability:**
No plastic cards means less waste and more eco-friendly processes.
- **Flexibility:**
Permissions can be easily managed centrally and adjusted or revoked immediately as needed.
- **Accessibility:**
Doors open without the need to take your smartphone out of your pocket—ideal, for example, for wheelchair users. Car park barriers can also be passed without the driver having to leave the vehicle.

Purchasing and licensing

3. **What is the payment model for Bosch Mobile Access?**
For the Bosch Mobile Access license, only an one-time payment is required. You pay for the license once and can use it permanently. There are no hidden costs or ongoing subscriptions.
4. **Is the Mobile Access app free?**
Yes, the app is available free of charge in the App Store (iOS/Android).
5. **Are additional fees required for cloud services?**
No, Bosch Mobile Access can be operated entirely locally, avoiding cloud subscription fees. This requires setting up a Mobile Access backend in your own company network.

Compatibility

6. **I already use a Bosch access control system with OSDP. What additional hardware do I need to integrate Mobile Access?**
The access control readers listed below are equipped with Bluetooth Low Energy (BLE) as standard and, in combination with the compatible controllers, enable Mobile Access. If you do not use the readers listed below, you should replace your readers to use Mobile Access.

OSDP readers with Bluetooth Low Energy (BLE):
 - LECTUS Select BLE: ARD-SELECT-BOKM, ARD-SELECT-BOM, ARD-SELECT-WOKM, ARD-SELECT-WOM
 OSDP controllers:
 - AMC2 with OSDP: APC-AMC2-4R4CF
7. **I already use a Bosch access control system with Wiegand. Which Wiegand readers can be made Mobile Access-ready with LECTUS blue?**

Wiegand readers (in combination with LECTUS blue):
 - LECTUS duo (Wiegand): ARD-AYBS6260, ARD-AYBS6360, ARD-AYBS6280, ARD-AYBS6380

- STid Architect (Wiegand): ARC1R31B103B101A, ARCR31A103B101A, ARCR31B103B101A
- LECTUS secure (iClass SE)

Wiegand controllers:

- AMC2 with Wiegand: APC-AMC2-2WCF, APC-AMC2-4WCF

8. Which smartphones are compatible?

The solution supports iOS and Android devices with Bluetooth 4.2 or higher. There is a [list of supported smartphones](#) containing all tested devices. An internet connection on the smartphone is only necessary for registration; after that, no internet connection is required for use. This means Bosch Mobile Access can also be used in areas without mobile network coverage, such as underground car parks and server rooms.

9. Which software versions are required for LECTUS select with BLE?

Required:

- Access Management System (AMS) 5.0.1 or higher
(Alternative: BIS-ACE 5.0.1 or higher)
- Mobile Access License 5.0 or higher

Optional:

- Visitor Management 5.0.1 or higher

LECTUS blue (for access control systems with Wiegand)

10. What is Bosch LECTUS blue?

A prerequisite for Bosch Mobile Access is that your access control readers must be able to communicate with smartphones via Bluetooth Low Energy (BLE). LECTUS blue is a module that allows you to retrofit BLE functionality to your existing Wiegand readers. This enables you to use Mobile Access with your existing system without replacing your installed hardware.

11. What are the advantages of Bosch LECTUS blue?

- LECTUS blue is the simplest and most cost-effective way to make your hardware ready for Mobile Access. No major investment is required.
- Works with existing Bosch Wiegand readers—no need to purchase new readers.
- Easy installation, quick configuration of readers via the Bosch Setup Access app.
- Sustainable solution, as it avoids electronic waste and allows you to continue using your existing system for longer.

12. Can the LECTUS blue module be installed on an OSDP reader?

No, the LECTUS blue module is only compatible with Wiegand readers.

13. Which smartphones are compatible?

The solution supports iOS and Android devices with Bluetooth 4.2 or higher. The latest major versions of Apple iOS or Android are supported. An internet connection on the smartphone is only necessary for registration; after that, no internet connection is required for use.

14. Which software is required to use Mobile Access with LECTUS blue?

- AMS version 5.5 or higher
or
- BIS-ACE version 5.0.1 or higher

15. Does LECTUS blue also work with other Wiegand readers not listed here?

The Bluetooth module was specifically developed for retrofitting Wiegand readers. However, compatibility has only been successfully tested with selected products in this class. For other Wiegand readers, compatibility cannot be guaranteed, as these devices have not been tested. Due to the way the Bluetooth module works, however, it is very likely that it will also work with other Wiegand readers. If you wish to use LECTUS blue with an untested product, you do so at your own risk. In this case, we recommend testing compatibility beforehand.

16. Can the Bluetooth module also be used with controllers or software from other manufacturers?

No, LECTUS blue has been developed exclusively for use with the specified controllers and associated software. Use with controllers or software from other manufacturers is not possible and is not supported.

17. How is LECTUS blue installed?

The Bluetooth module is installed behind the access control reader housing. Please follow the instructions and safety notes in the installation manual.

18. How should the Bluetooth module be positioned behind the reader? Does the position of the module matter?

To protect against manipulation, ensure that the Wiegand cables and the Bluetooth module are not accessible from the outside when installed.

Install the module behind the reader in a dry and clean location. It is best to position the module so that the connector openings face downward to make it harder for dirt or moisture to enter.

Make sure that after installation, the module does not come into contact with electrically conductive parts, ESD-sensitive components, or live electronics. This avoids short circuits, damage from electrostatic discharge (ESD), and ensures operational safety.

19. Can the module also be installed outside the reader?

No, please ensure that the LECTUS blue module is completely covered by the reader and is inaccessible from the outside when installed. Activate the reader's tamper sensor. This maximizes protection against unwanted manipulation.

- 20. Is a special app needed to set up the Bluetooth module and the reader?**
Yes, please use the "Bosch Setup Access" app.
- 21. How do I know which cables should be connected to which pin on the Bluetooth module?**
Please refer to the instructions in the installation manual.
- 22. What do the LEDs on LECTUS blue mean?**
The LEDs provide information about the status or connection state of the Bluetooth module. A detailed list of the signals and their meanings can be found in the installation manual.
- 23. How often can I disconnect the cables from the Bluetooth module's connector?**
Please do not exceed the limit of three plug cycles. To protect the connector, rotate the cable strands when pulling them out to make removal easier. If the wire needs to be removed from the connector, gently twist the wire before pulling it out. This ensures proper wire extraction.
- 24. How do I reset the Bluetooth module to factory settings?**
You will find detailed instructions in the installation manual.
- 25. What is the read range of the reader, or how can it be adjusted?**
The range of the Bluetooth module can be set in the Bosch Setup Access app. The range can be configured from 5 cm to 10 m. Please note that the range may vary depending on the smartphone model and the reader's environment (walls, obstacles, etc.).
- 26. What does RSSI mean?**
RSSI (Received Signal Strength Indicator) is a measure of the strength or quality of a radio signal. It is measured in decibel milliwatts (dBm). For example, -30 dBm means you are a few centimeters away from the reader, and -60 dBm means you are a few meters away. The values vary greatly depending on the environment.
- 27. How do I set the RSSI value?**
By setting the RSSI value, you determine the distance at which the reader can detect your smartphone. If you want to drive through your underground car park gate without getting out of your car, set the range high. If you have many readers installed close together, set the range low to avoid unintentionally opening several doors at once. In the Bosch Setup Access app, you can measure the RSSI value for the distance between the smartphone and the reader to conveniently determine the right setting.
- 28. My smartphone's wallet opens unintentionally near the reader—what can I do?**
Often, it helps to increase the read range via the RSSI value, e.g., to -45 dBm. This way, the phone does not need to be held too close to the reader, and the wallet is not opened unintentionally via NFC.
- 29. What should I do if the reader's tamper sensor is triggered without any apparent reason?**
To prevent tampering, some reader models have tamper sensors on the back that react to light, vibration, or as a push-button. This detects if the reader is removed from the wall without authorization.

Please make sure the Bluetooth module is set to “dark mode”. Otherwise, a light-sensitive tamper sensor on the reader like LECTUS duo may be triggered by the module’s LEDs.

30. Do I have to update the Bluetooth module regularly?

Software updates are performed over-the-air, i.e., wirelessly using the “Bosch Setup Access” app. The Bluetooth module does not need to be removed from behind the reader for this. The update is installed directly from the smartphone via Bluetooth.

Usage

31. How does access with a smartphone work?

The smartphone communicates with the reader via Bluetooth Low Energy (BLE). To gain access, the Mobile Access app must be started and running in the background on the smartphone. The smartphone does not need to be unlocked to open a door.

32. Do users need an app?

Yes, users need the free Bosch Mobile Access app from the App Store (iOS/Android).

33. How do users receive their access rights?

Access rights can be sent to users via email link or QR code, which they then register in the Bosch Mobile Access app.

34. Can a user store multiple access rights?

Yes, the app supports multiple mobile cards for different locations

35. Can mobile cards be transferred?

No, mobile cards are non-transferable.

36. Can I use Mobile Access with a smartwatch?

No, currently the Bosch Mobile Access app only works with smartphones.

37. How should access rights for external installers be handled?

For reader configuration, installers receive mobile credentials in the Bosch Setup Access app, which are also sent via email or QR code. To prevent misuse, only issue the credentials just before installation. Withdraw the credentials immediately after installation is complete. To do this, remove the credential in Credential Management and ensure it is also removed from the installer’s device in the Bosch Setup Access app.

38. Can identical access rights be used on multiple smartphones?

No, a mobile credential with its assigned credential number can only be used on one smartphone and is non-transferable. Of course, multiple credentials can be created per user, so several smartphones can be used.

39. Can a mobile credential be deleted?

Yes, a mobile credential can be removed by the user at any time.

40. Does the solution require an internet connection?

An internet connection is only required for registration of mobile credentials. After that, communication between smartphone and reader works offline via BLE.

41. Can the system be operated locally?

Yes, the solution operates entirely locally without using a cloud platform.

42. What happens if the smartphone is lost?

Access data can be centrally deactivated via Credential Management, immediately revoking all access rights.

43. How does two-factor authentication work?

Users must unlock their smartphone (e.g., with Face ID or fingerprint sensor) and hold it near the reader to confirm access. Two-factor authentication can be activated in the Bosch Setup Access app.

44. How can I configure my reader to recognize my smartphone without having to take it out of my pocket or leave my car?

For such use cases, the range of the Bluetooth module can be configured by an installer up to 10 meters.

Security

45. How secure is Bosch Mobile Access?

The following factors contribute to the high level of security in Bosch Mobile Access:

- Secure communication between smartphone and reader (BLE)
- Use of the latest encryption standards
- Optional two-factor authentication (e.g., Face ID or fingerprint)
- No storage of sensitive personal data on local systems
- No need to use cloud solutions

46. What happens if a smartphone is lost?

Access credentials can be centrally deactivated via Credential Management, immediately removing all access rights. Furthermore, the access permissions are stored in the AMS and not on the smartphone. An administrator can therefore immediately revoke access.

47. How is data privacy ensured?

The applications are developed and implemented with data minimization in mind ("Privacy by Design"). No user data is collected. Even when the app requests permission for location services during setup, this is only for technical reasons. The app does not track user location. Biometric data for two-factor authentication is stored on the user's smartphone, not in the access control database or reader. Use of a cloud is not required for managing access permissions.

Support, Maintenance, and Further Information

48. Is there technical support for installers?

Yes, installers can use the Bosch Setup Access app and receive support via [technical documentation](#) and Bosch Support.

49. How can reader settings be adjusted?

Settings such as range or authentication modes can be changed via the Bosch Setup Access app.

50. Where can I find technical documentation?

Detailed specifications are available in the AMS datasheets, which can be found online in the [Bosch catalog](#).

51. Are there training videos or tutorials?

Bosch offers videos on [YouTube](#) explaining the installation and use of the Mobile Access solution.