

# Google Android

## Prerequisites

- Correct setup of an email app for Android (see below).
- Correct integration of the [certification authorities](#) into the operating system
- **Valid digital user certificate** integrated into the operating system.

**Since the standard integrated e-mail app in Google Android does not support the S/MIME method, e-mail security cannot be increased by signing or encrypting with this app.**

Other S/MIME-capable e-mail apps do not support all [connection protocols](#) of the e-mail system. A limited use is possible with the app FairEmail, which supports the S/MIME procedure in the **Pro version**, but can only access the email system of Jade University via [IMAP](#).

- [FairEmail](#) in the [F-Droid Appstore](#)
- [FairEmail](#) in the Google Playstore

## Configuration

The first step is to set up the FairEmail email app as an email client:

- Main Settings tab → Manual Setup and Account Options.
- Accounts (receive e-mail IMAP POP3) → Add (+ button) → IMAP
- Provider → User defined
  - IMAP Hostname: mail.jade-hs.de
  - Encryption: STARTTLS
  - Port number: 143
  - Username: [domain login](#) (form: ma1150@hs-woe.de)
  - Password: <your password>
  - Account name: <your email address>.
- Tap the „Verify“ button.
- Add associated identity (SMTP server): enabled.
- Tap the „Save“ button.
  - Associated account: <your email address> (should already be preset here).
  - Your name: <first name last name>
  - Your email address: <your email address>
  - Domain name: please empty the field
  - SMTP hostname: mail.jade-hs.de
  - Encryption: STARTTLS
  - Port number: 587
  - Username: [domain login](#) (form: ma1150@hs-woe.de)
  - Password: <your password>
  - Account name: <your email address>.
- Tap on the button „Save“.

Close the settings and check that the email app is working properly.

The second step is then to increase the email security by signing / encrypting. To unlock these functions, you must purchase the Pro version (Menu → Pro Functions).

- Settings → Card Encryption
- General
  - Sign by default: activated
- PGP
  - Use Autocrypt: deactivated

Close the settings, this completes the configuration.

## Use

### Sign

- In the FairEmail App, click on the pencil icon for a new email and compose it.
- Tap on „Sign“, the „Send“ dialogue opens.
  - Under Encryption, select „S/MIME sign only“.
  - Tap on „Send“, the e-mail is digitally signed and then sent.
- The communication partner sees the loop symbol as a sign of a digitally signed e-mail.

### Encrypt

To encrypt an e-mail, you must first have the communication partner's public key. To do this, have your communication partner send you a digitally signed e-mail, for example, which is automatically added to your key ring.

- Click on the pencil icon for a new email in the FairEmail app and compose it.
- Tap on „Sign“, the „Send“ dialogue opens.
  - Under Encryption, select „S/MIME sign + encrypt“.
  - Tap on „Send“, the e-mail is digitally signed, encrypted and then sent.
- The communication partner will see the lock symbol as a sign of an encrypted e-mail.

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