

SMARTair® i-programmer

The new, streamlined way to manage your SMARTair devices

Faster, fully digital management of SMARTair installations

The SMARTair i-programmer App simplifies, accelerates, and modernizes the way you configure and maintain your SMARTair devices. Designed as a replacement for the traditional Portable Programmer, it brings full system control directly to your smartphone, enabling you to initialize devices, apply updates, collect events, open doors, and manage firmware from one intuitive interface.



Optimized for Android phones, the i-programmer gives you complete mobility and flexibility on-site

Download the PC-To-Lock file directly to your phone via email, OneDrive, or local transfer – and manage one or multiple installations effortlessly

Direct device connection via PC-To-Lock + USB-A to USB-C adapter or USB C (depending on the device)



Innovative

A fully mobile experience which transforms traditional management into a faster, more flexible process



Convenient

User friendly interface – clearer navigation and quicker access to essential functions



Secure

Every operation is protected to ensure safe, reliable system management

SMARTair i-programmer

Technical information



Technical data and features	
General information	
i-programmer App	Built using Progressive Web App (PWA) technology Compatible with Windows and macOS laptops, plus Android smartphones Not compatible with iOS devices
System requirements	
Mobile devices (Android)	Minimum requirements: <ul style="list-style-type: none"> • Android 8.0 for Google Chrome with Chrome version 138 or higher • Android 10.0 for Microsoft Edge with Edge version 140 or higher Recommended RAM: 2 GB or more. Free storage: 30 MB min. Performance may vary on low end devices with limited RAM Connectivity: Internet access recommended for file downloads and updates Required permissions: <ul style="list-style-type: none"> • Storage access to read and store PC to Lock files • USB access for communication with SMARTair devices Typical power consumption: <ul style="list-style-type: none"> • 14.7 mA in standby mode (App open or closed) • 19.0–23.0 mA during operation (initialization, updates, testing, event collection, etc.)
PC, laptops and tablets	Windows 10/11 or macOS 12+ Supported browsers: <ul style="list-style-type: none"> • Google Chrome (recommended) and Microsoft Edge • Not compatible with Safari, Samsung Internet, Firefox, or Opera
Connections and compatibility	
Device connections	i-max, knob cylinder, i-minimal, i-volution, i-reader, i-gate: connection via PC to Lock cable + USB A to USB C adapter i locker: direct connection via USB C cable No wireless programming
Hardware compatibility	Compatible with SMARTair R3, R4, and R4n devices. (Not compatible with SMARTair devices older than R3, e.g. S6, S9)
TS1000 software compatibility	Requires TS1000 version 08.04.02 or higher i-programmer functionality must be enabled in the TS1000 licence (factory enabled or added via software upgrade)
Security	
SMARTair security architecture	Encrypted communications between mobile devices and SMARTair hardware Firmware integrity validation before updates Licence based authorization through TS1000 Local data isolation: PC-To-Lock files remain stored on the device

SMARTair i-programmer

Installation, Operation, Setup

1. Installation

Installation on PC, laptop or tablet

Open a supported browser.

Visit: <https://i-programmer.assaabloyibwebservices.com>

Install App to the desktop.

Installation on mobile phone

Scan QR code:

Install App on your Android



2. Operation

Once an installation is selected, the App enables you to connect to any SMARTair device and perform any of the following actions:

Info: device status, battery level, configuration, firmware version

Update: apply configuration updates

Events: retrieve stored event logs

Open: temporarily power and unlock device

Initialize: first time setup or reinitialization

Multitasking is not supported during operation.

Typical operation times (approx.):

Device initialization: 5–15 seconds

Event retrieval: 3–10 seconds (depending on volume)

Configuration update: 2–5 seconds

Firmware update: 30–90 seconds depending on device model

3. Setup

The Setup menu accesses advanced configuration tools:

Language selection (13 interface languages available):
Catalan, Czech, Danish, German, English, Spanish, Basque, French, Italian, Dutch, Polish, Portuguese, Chinese

Firmware management: Update, verify and maintain device firmware

Advanced operations: Factory mode initialization, diagnostic log collection, technical support tools

Updates:

The App updates automatically when opened with Internet connection. Major updates may require:

- Clearing browser cache
- Reinstalling the App