

# Installation and Activation Guide

Install Besenix HMI Screen Manager V1.5.5, activate its machine-bound license and prepare the first TIA Portal V21 connection.

| SFTWARE VERSION | TIA PORTAL | DOCUMENT                         |
|-----------------|------------|----------------------------------|
| 1.5.5           | V21        | Installation guide   17 Oct 2026 |

# Before installation

Save engineering work and close TIA Portal completely before installing or updating the application.

**IMPORTANT**

Do not run setup while a TIA Portal project is open. Close every TIA instance, HMI editor and engineering dialog before installation.

## System requirements

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Operating system     | Windows 10 or Windows 11, 64-bit                         |
| Engineering platform | Siemens TIA Portal V21                                   |
| Required option      | TIA Portal Openness V21 with the net48 Public API        |
| Windows access       | User authorized for the local Siemens TIA Openness group |
| Installation scope   | Installed Windows application under Program Files        |

## Install V1.5.5

**01 Save the project**

Save every open TIA Portal project and finish any import, compile or download operation.

**02 Close TIA Portal**

Exit every TIA Portal instance completely before starting setup.

**03 Extract the download**

Extract the official ZIP downloaded from [besenix.com](https://besenix.com) to a normal local folder.

**04 Start setup**

Run **Besenix\_HMI\_Screen\_Manager\_Setup\_v1.5.5.exe** and approve the Windows User Account Control prompt.

**05 Complete installation**

Keep the Start menu shortcut and optionally create a desktop shortcut. The update preserves the installed license and protected trial state.

# Activate the license

The application is downloaded first. Activation begins when the installed application displays the Machine ID for that computer.

## 01 Start the application

Open Besenix HMI Screen Manager from the Start menu. TIA Portal may remain closed during activation.

## 02 Copy the Machine ID

Copy the complete ID displayed in the activation window. The ID begins with **BHS-**.

## 03 Send the request

Send the Machine ID and customer details to Besenix using the website contact form or email.

## 04 Receive the license

Besenix supplies a signed **.license.json** file created specifically for that Machine ID.

## 05 Import the license

Choose **IMPORT LICENSE**, select the received file and confirm the license status in the application.

### LICENSE

The license is machine-bound. Reinstalling the application does not reset a trial, and a license issued for another computer is rejected.

## Authorize TIA Portal Openness

If the Windows user is not yet authorized, choose **AUTHORIZE WINDOWS USER** and approve the administrator prompt. Restart Windows after the account is newly added to the Siemens TIA Openness group.

### SECURITY

Authorize only the Windows account that operates TIA Portal. Never disable endpoint protection or use an installer received from an untrusted source.

# First TIA Portal connection

Use a project copy for the first import test and run both programs under the same Windows account.

## 01 Open TIA Portal V21

Open the required project and wait until the project and HMI device are completely loaded.

## 02 Save or archive

Create a project archive or test copy before importing, replacing or deleting screen content.

## 03 Close screen editors

Keep the project open, but close individual HMI screen editors that can lock target data.

## 04 Connect

Start Besenix HMI Screen Manager and click **CONNECT TO TIA PORTAL**. Approve the Siemens Openness prompt if it appears.

## 05 Select the HMI

Choose the intended HMI device and confirm that the expected screen list is shown.

## 06 Test and compile

Perform the intended operation, then compile the complete destination HMI and inspect the imported result.

### UNIFIED

After a Full Package import, the log may request manual mapping of an HMI connection. Open Devices & networks, select the destination PLC partner for the listed connection and compile the HMI.

# Troubleshooting and safe use

| PROBLEM                                  | CHECK                                                                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Application cannot find the project      | Use TIA Portal V21, run both applications under the same Windows user, keep one relevant TIA instance open and confirm Openness authorization. |
| TIA Portal Openness is missing           | Run TIA Portal V21 Setup, choose Modify and install TIA Portal Openness / Public API V21 net48.                                                |
| License is rejected                      | Send Besenix the exact Machine ID and complete error text. Do not reuse a license from another computer.                                       |
| Full Package requests connection mapping | Assign the imported HMI connection to the correct destination PLC in Devices & networks, then compile.                                         |
| Strict Unified import stops              | The original screen remains in place when any required screen value cannot be reconstructed. Review the full Activity Log before retrying.     |
| Windows shows Unknown publisher          | The early-access installer may not yet be code-signed. Continue only with the exact file obtained from the official Besenix website.           |

## Safe-use reminders

**CHECK** Keep a TIA Portal archive or project copy before every import or delete operation.

**CHECK** Compile and visually verify objects, texts, tags, events, animations, navigation and graphics after import.

**CHECK** The application edits offline engineering data; it does not download to the PLC or HMI panel.

**CHECK** Include application version, HMI type, TIA version and relevant log messages in a support request.

### SUPPORT

Website: [besenix.com](https://besenix.com) | Email: [hello@besenix.com](mailto:hello@besenix.com)