

User Manual



60888998_01

JI-FPC3007
Flatpanel-PC

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Translation of the german original User Manual

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1 Introduction

1.1 Document Information

This document is part of the product and must be read and understood before using the device. It contains important and safety-related information to ensure that the product is used properly and in accordance with its intended purpose.

Target audiences

This document is intended for qualified personnel.

The device must only be put into operation by qualified and trained personnel.

Safe use of the device must be ensured throughout every stage of its life cycle. A lack of or insufficient technical and documentation knowledge will result in the loss of any liability claims.

Availability of information

Ensure that this information is readily available near the product throughout its entire service life.

Please check the Downloads section of our website for updates and the latest version of the document. This document is not subject to automatic version control.

[Start | www.bucherautomation.com](http://www.bucherautomation.com)

For further information refer to the following information products:

- Online help for the JetSym software
Functions of software products with application examples
- Application-oriented manuals
Product-independent documentation
- Version
Updates: Information about changes to the software products and your device's operating system

Info

Further information

For more information on system immunity to interference, please refer to Application Note 016 *EMC-Compliant Control Cabinet Installation* at www.bucherautomation.com.

1.2 Typographical conventions

This manual uses different typographical effects to support you in finding and classifying information. Below, there is an example of a step-by-step instruction:

- ✓ This symbol indicates requirements which have to be met before executing the following action.
- ▶ This sign or a numbering at the beginning of a paragraph marks an action instruction that must be executed by the user. Execute the instructions one after the other.
- ⇒ The target after a list of instructions indicates reactions to, or results of these actions.

Info

Further information and practical tips

In the info box you will find helpful information and practical tips about your product.

2 Safety

2.1 General

At the time of its release, the product reflects the current state of science and technology.

In addition to the operating instructions, the laws, regulations, and guidelines of the country of use or the EU apply to the operation of the product. The operator is responsible for complying with the relevant accident prevention regulations and generally accepted safety standards.

2.2 Purpose

2.2.1 Intended use

The flat-panel PC JI-FPC3007 is designed for installation in a machine or system.

The device must only be operated within the specified technical specifications.

SELV

Due to its low operating voltage, the device falls under the Safety Extra Low Voltage category and is therefore not subject to the EU Low Voltage Directive. The device must be powered only from a SELV source.

2.2.2 Improper use

Do not use the device in technical systems that require a high level of reliability.

Machinery Directive

This device is not a safety component as defined by the Machinery Directive 2006/42/EC.

2.3 Warnings Used

DANGER

**High risk**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

**Medium risk**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

**Low risk**

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

**Material damage**

Indicates a situation which, if not avoided, could result in malfunctions or material damage.

3 Product Description

The Flatpanel PC JI-FPC3007 is an industrial PC with a widescreen display and a projected capacitive touch-screen (PCAP).

The compact screen size of 7" provides ample space for operator guidance in small systems.

Equipped with a Celeron®-class multi-core CPU, the operator terminal is capable of delivering high-performance user guidance. Thanks to the wide range of available interfaces, the device can be optimally adapted to individual requirements. The real glass surface is scratch-resistant and stain-resistant.

3.1 Structure

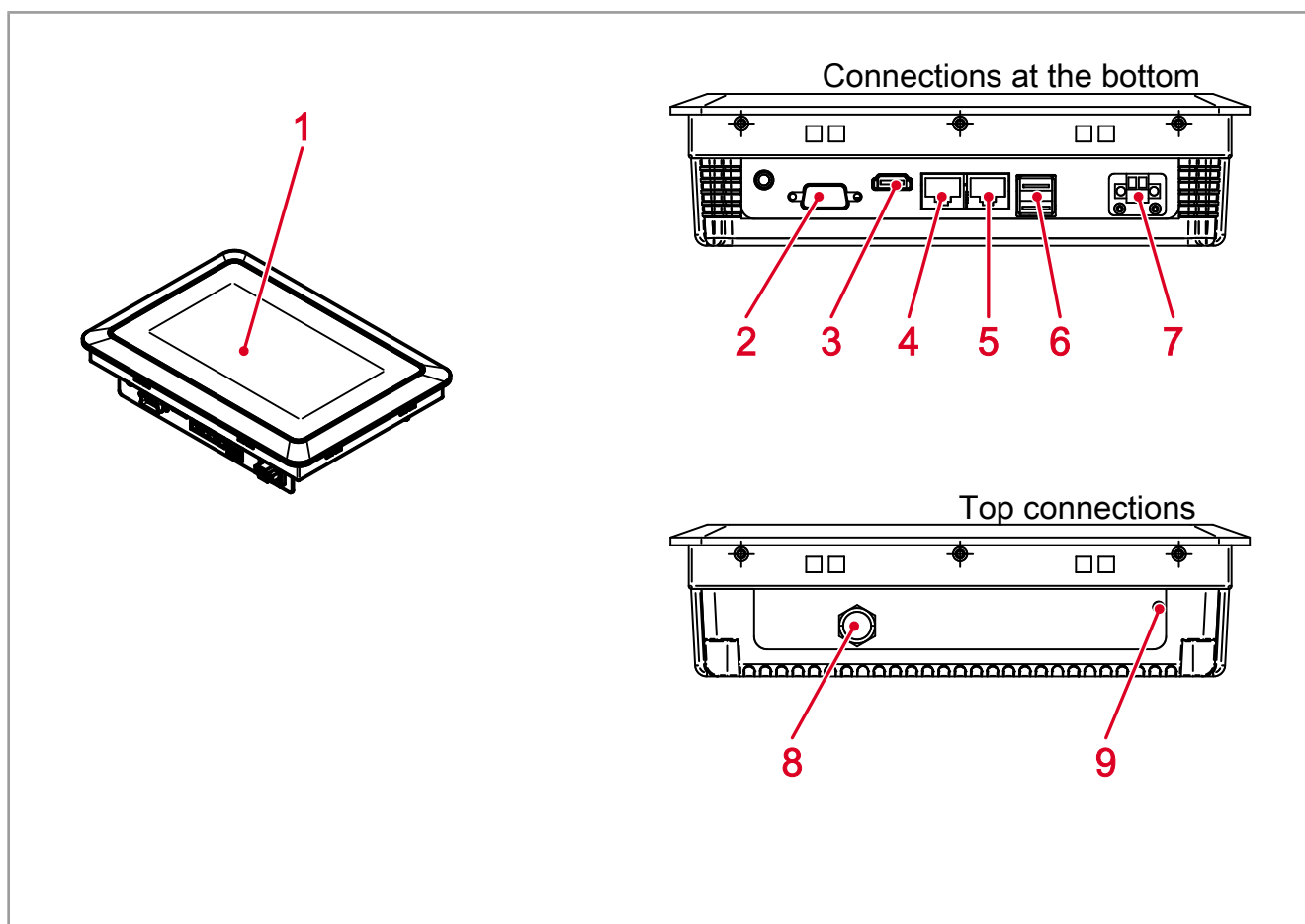


Fig. 1: Structure of the JI-FPC3007

1	Display
2	COM1 port
3	HDMI port
4	LAN2 port
5	LAN1 port
6	USB 3.0 port
7	Power supply jack
8	On/Off Switch + LED
9	Ground connection (GND)

3.2 Features

- Glass front
- Widescreen (16:9)
- Multitouch
- PCAP
- Windows® 11 IoT
- Intel® Celeron® CPU
- 2 x Gigabit Ethernet
- 2 USB 3.0 ports
- SSD
- 1× HDMI port for an additional monitor
- AUDIO OUT
- Fanless

3.3 Status indicator

The LED indicates the status of the power supply.

3.3.1 On/Off switch with LED indicator

LED Power Supply

Condition	Description
Off	The device is turned off or is in power-saving mode.
On	The device is turned on.

3.4 Nameplate

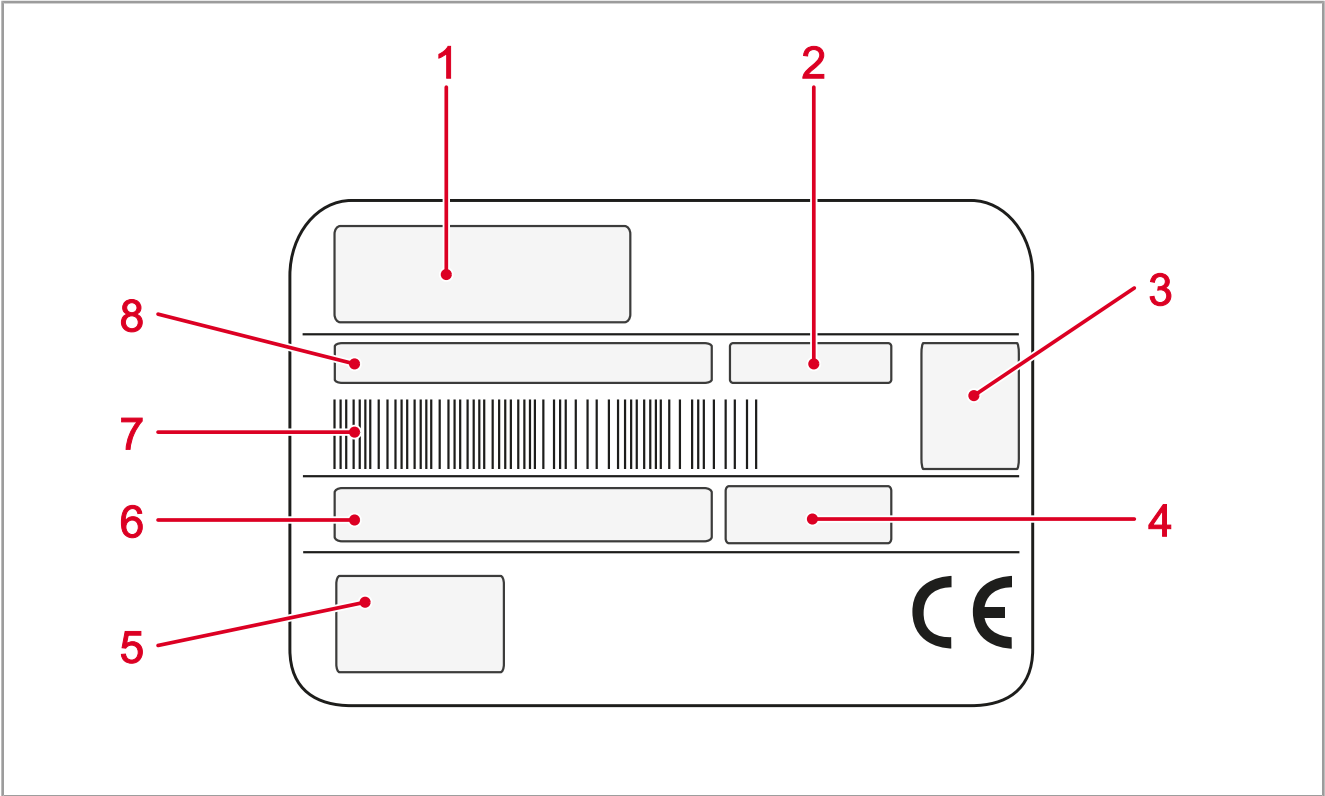


Fig. 2: Nameplate

1	Company logo
2	Item number
3	Warning and regulatory signs
4	Hardware version
5	Performance data
6	Product Name
7	Barcode Serial Number
8	Serial number

3.5 Scope of delivery

Scope of delivery	Item number	Quantity
Jl-FPC3007-PCT-E1-L6-B12-ER	10002957	1
or		
Jl-FPC3007-PCT-E1-L6-B12	10002958	1
Mounting kit with 8 mounting screws		1

4 Technical Specifications

This chapter contains the electrical and mechanical specifications, as well as the operating data, for the JI-FPC3007 device.

4.1 Dimensions

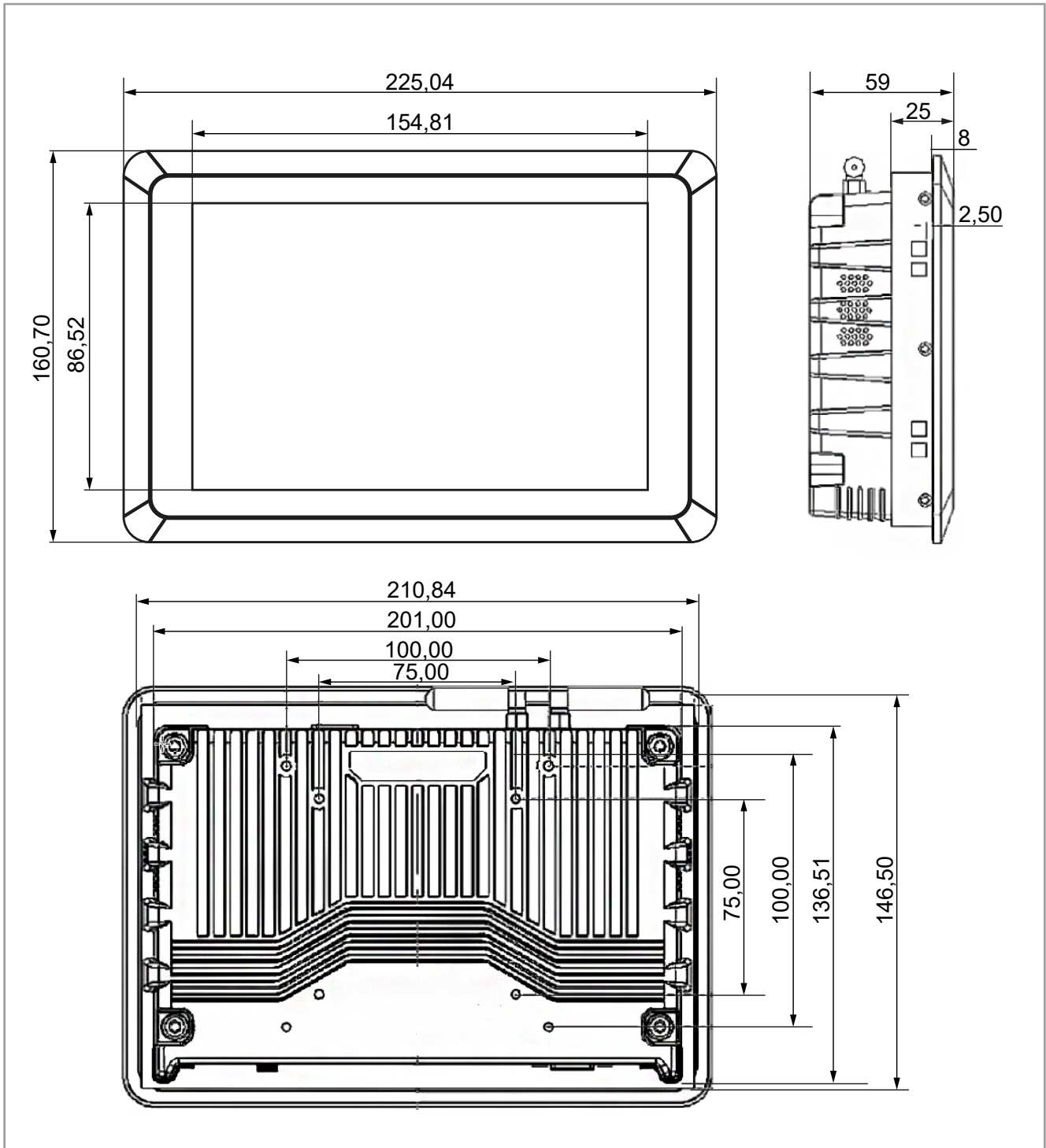


Fig. 3: Dimensions in mm

4.2 Mechanical Properties

Mechanical Properties

Parameters	Description	Standards
Weight	1.9 kg	
Cooling	Passive (fanless)	
Assembly	Front panel mounting, VESA 75 × 75/100 × 100	
Protection rating		
On the front	IP65	DIN EN 60529
On the back	IP20	

4.3 Electrical Properties

Power supply

Parameters	Description
Supply voltage range	DC 12 V ... 24 V
Typical voltage range	24 V DC
Maximum power consumption	48 W, 2 A

Tab. 1: Power supply

CPU/Memory

Parameters	Description
Type	Intel® Celeron J6412 (2.0 GHz)
Memory	256 GB SSD 8 GB of RAM
Memory by hardware revision 00.02	128 GB SSD 4 GB of RAM
OS	Windows® 10, Windows® 11, Linux, The standard edition is Windows® 11 IoT Enterprise 2024 LTSC

Tab. 2: CPU and memory

Interfaces

Parameters	Description
Interfaces	2x USB 3.0 2x GBE LAN (10/100/1000 Mbps) 1x AUDIO OUT, 1x HDMI, 1x COM (RS-232)

Tab. 3: Interfaces

4.4 EMC values

This product complies with the protection requirements of the EU standard EN 55022, which harmonizes the laws of the member states regarding electromagnetic compatibility. If the user makes modifications and/or additions to the device (e.g., installation of additional cards), the conditions for the CE Declaration of Conformity may no longer apply.

4.5 Environmental conditions

Parameters	Description	Standards
Stock level	Up to 5,000 m	
Storage temperature	-20 ... 70°C	
Max. operating altitude	2,000 meters above sea level	
Operating temperature	0 °C ... +50 °C	
Humidity	10 ... 90% @39°C, non-condensing	
Corrosion and chemical resistance	No special measures were taken to prevent corrosion. The ambient air must be free of high concentrations of acids, alkaline substances, corrosive substances, salt, metal vapors, and other corrosive or electrically conductive contaminants.	
Level of contamination in the electronics environment	Level 2	DIN EN 61131-2
CE/FCC Certification		EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3
Protection rating	Front: IP65, Enclosure: IP20	
Shock	15 G, 11 ms duration (half sine wave)	EN 60068-2-27
Vibration	10–500 Hz: 1G/3 axes	EN 60068-2-6

Tab. 4: Environmental conditions

4.6 Display

Parameters	Description
Type	TFT widescreen
Resolution	1024 x 600 pixels
Format	16:10
Size	7"
Contrast	1000:1
Brightness (Display)	250 cd/m²
Backlight	LED, service life > 50,000 hours
Touchscreen	Glass-based projected capacitive touch (PCAP)

Tab. 5: Technical Specifications – Display

5 Assembly

This chapter describes how to install and replace the device.

NOTICE



Damaged devices

Damaged devices may cause considerable physical damage.

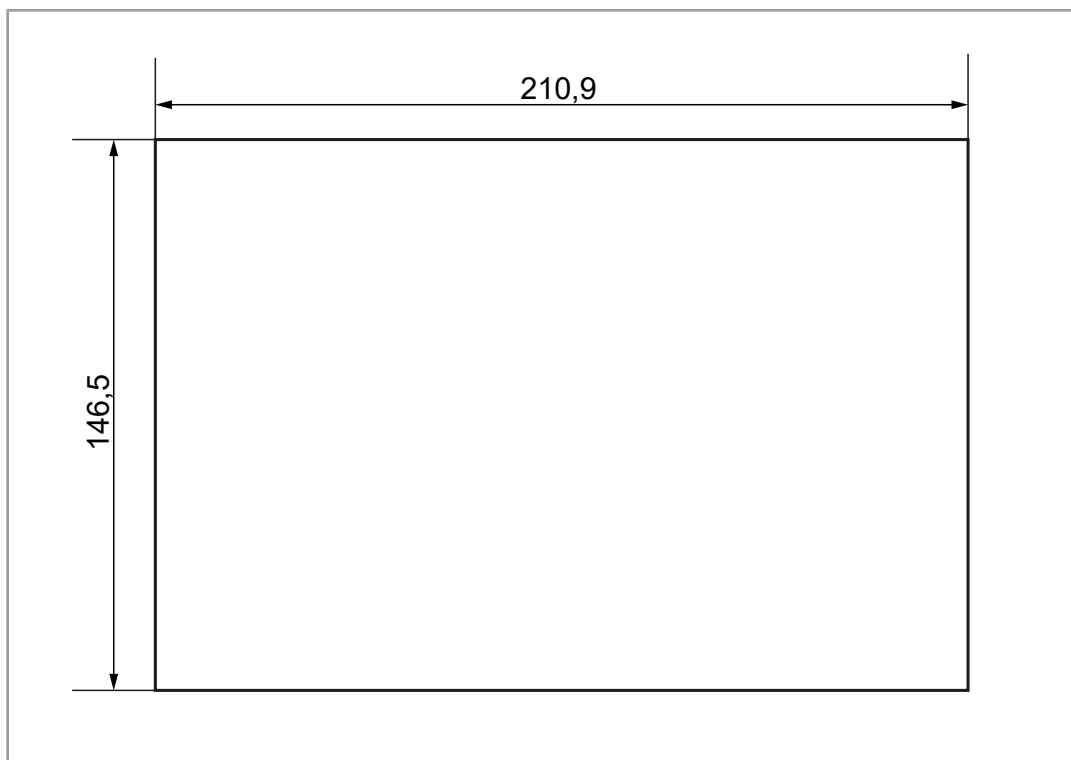
- ▶ Check the device for external damage and faulty connections.
- ▶ Ensure to install only fully functional devices.

5.1 Prepare for installation

The mounting option described here is intended for installation in a front panel cutout.

Create a clipping

- ▶ Cut out an opening for the device with the following dimensions:



Mounting hardware

- ▶ Use the mounting kit provided to install the device.

Tool

- ▶ Use a suitable Phillips-head screwdriver for assembly.

5.2 Install the device

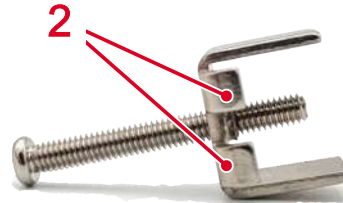


Fig. 4: Installation with retaining clips

- There are 2 x 2 recesses (1) on each side of the housing for attaching the retaining clips.
 - Each retaining clip is equipped with two square pins (2).
1. Insert the device into the mounting opening from the front without using the retaining clips.
 2. Insert the pins of the retaining clip into the slots (3).
 3. Use a Phillips-head screwdriver to tighten the screw until it makes contact with the housing frame (4).

6 Electrical connection

NOTICE



Damages to material or functional impairment
Improper implementation of the wiring harness may cause mechanical stress.

- ▶ Protect the cables from bending, twisting or chafing.
- ▶ Install strain reliefs for the connecting cables.

6.1 2-pin power jack

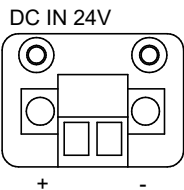
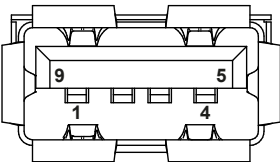


Fig. 5: 2-pin jack

6.2 USB 3.0 port

Occupancy

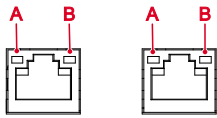


Pin	Description
1	+USB_VCC
2	USB_D-
3	USB_D+
4	GND
5	USB_RX-
6	USB_RX+
7	GND
8	USB_TX-
9	USB_TX+

Tab. 6: USB 3.0 Pin Assignment

6.3 RJ-45 jacks - LAN1 and LAN2 ports

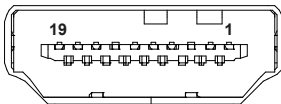
Configuration



LED	Condition	Description
A	Off	No connection to the network
	Yellow	LINK: Connected to the network
	Flashing yellow	Network activity
B	Off	10 Mbit
	Green	100 Mbit
	Orange	1 Gbit

6.4 HDMI port

Configuration



Pin	Description
1	TMDS Data2+
2	GND
3	TMDS Data2–
4	TMDS Data1+
5	GND
6	TMDS Data1–
7	TMDS Data0+
8	GND
9	TMDS Data0–
10	TMDS Clock+
11	GND
12	TMDS Clock–
13	Reserved
14	Reserved
15	DDC_CLK
16	DDC_DATA
17	GND
18	+5 V Power
19	Hot-plug detection

Tab. 7: HDMI Port Pinout

6.5 D-Sub connector – COM1 serial port

- The COM1 port includes an RS-232/422 interface.
- Logically, only one of the two can be used at a time.

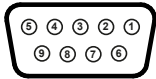


Fig. 6: D-Sub connector

Pin	Description
1	n.c.
2	RS-232 RxD
3	RS-232 TxD
4	n.c.
5	GND
6	n.c.
7	RS-485 A(-)
8	RS-485 B(+)
9	n.c.

Tab. 8: Pin Assignment for D-Sub Connector

6.6 Functional ground (shielding)

The shielding connector is located on top of the device.

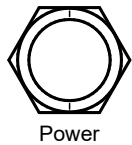


Fig. 7: Functional ground

- If the device is exposed to high levels of electromagnetic interference, connect a shield (functional ground) here, using as large an area as possible (e.g., copper tape).

7 Controls

7.1 On/Off switch with LED



The switch is located on the top of the JI-FPC3007.

Use this button to turn the device on or off.

NOTICE! The switch does not need to be pressed to start the device, as it starts automatically when connected to 24 VDC.

See the information on [Status indicator](#) [► 9].

8 Configuration

This is a brief overview (QuickStart) of the procedure and settings required to launch a visualization created with JetViewSoft on a JI-FPC30xx series flat-panel PC.

8.1 System Requirements

8.1.1 Hardware

Device	Item No.	Description
JI-FPC3007-PCT-E1-L6-B12-ER	10002957	Flat-panel PC; 7"; Windows 11; JETVIEW-ER-STX (PC) V5.7.x installed and licensed
JI-FPC3007-PCT-E1-L6-B12	10002958	Flat-panel PC; 7"; Windows 11;

Tab. 9: Hardware

8.1.2 Software

Software	Item number	Description
JetView Software V5.X	10001261	Engineering tool for creating the visualizations to be displayed on the target device JI-FPC3007
JETVIEW-ER-STX (PC) V5.X	10001467	Runtime software that displays the forms created with JetViewSoft .

Tab. 10: Software

8.2 Terms and Definitions

Parameters	Description
JI-FPC30xx and JI-FPC30xx-...-ER	- Flat-panel PCs running the Windows 11 operating system. - XX refers to the screen diagonal. - In the -ER variant, JetViewSoft Embedded Runtime is installed and licensed.
JetView Embedded Runtime (JVER STX VG (PC); for short: (JVER)	- Runtime software that displays the templates created with JetViewSoft . - VG stands for vector graphics; PC refers to x86/64-bit Windows 10/11.
UWF	Unified Write Filter. - A Windows feature that redirects write operations to an overlay to protect system files from being corrupted by a hard shutdown.
uwfmgr	- UWF Manager. - Command-line tool for configuring the Unified Write Filter.
FTP	File Transfer Protocol. - On the JI FPC30xx, the built-in Windows FTP server is enabled and configured via IIS Manager.

Parameters	Description
Telnet	JVERTelnet.exe is an application from Bucher Automation AG used to start and stop the JVER using commands transmitted from JetViewSoft to the engineering PC.
Autologon	– A feature provided by Microsoft that automatically logs a user in at system startup without requiring a password or PIN – In the -ER model, AutoLogon is already set up and enabled.
Kiosk Mode	– A Windows mode in which only a specific application is launched. – In the "ER" variant, JVER is the only application that is launched.
VNC	– Virtual Network Computing – Technology for remotely controlling computers that displays the desktop of a remote computer (server) on a local device and transmits its mouse and keyboard inputs, allowing you to work as if you were sitting right in front of it. – The free software "UltraVNC" server is installed and running on the JI-FPC30xx.
IIS Manager	– Internet Information Services Manager – A graphical management tool for configuring the Windows Web Server/IIS; used to set up the FTP server.

Tab. 11: Terms and Definitions

8.3 Quick Start

8.3.1 Turning on the device

- ▶ Connect the device to a 24 VDC power source.
- The device starts up immediately and displays the following messages in sequence:
 - BIOS splash screen: BUCHER Automation
 - Windows Splash Screen: BUCHER Automation
 - BUCHER Automation Login Screen
 - Black screen
 - Launch JetView Embedded Runtime (JVER-STX-VG(PC)) Demo Application
- The entire boot process takes approximately **45** seconds.
- Registration is not required.
- The device is configured to automatically log in (AutoLogon) the user "Bucher Automation". After that, JetView Embedded Runtime is launched as the only application in "Kiosk Mode."
- You can use JetViewSoft to connect to the target device via the displayed IP address(es).



Fig. 8: Demo project launched using the JI-FPC3010 as an example

NOTICE! If no Ethernet cable is connected and there is no link to a network device, the IP address, date, and time will not be displayed.

8.3.2 Exit the demo project and switch to Windows

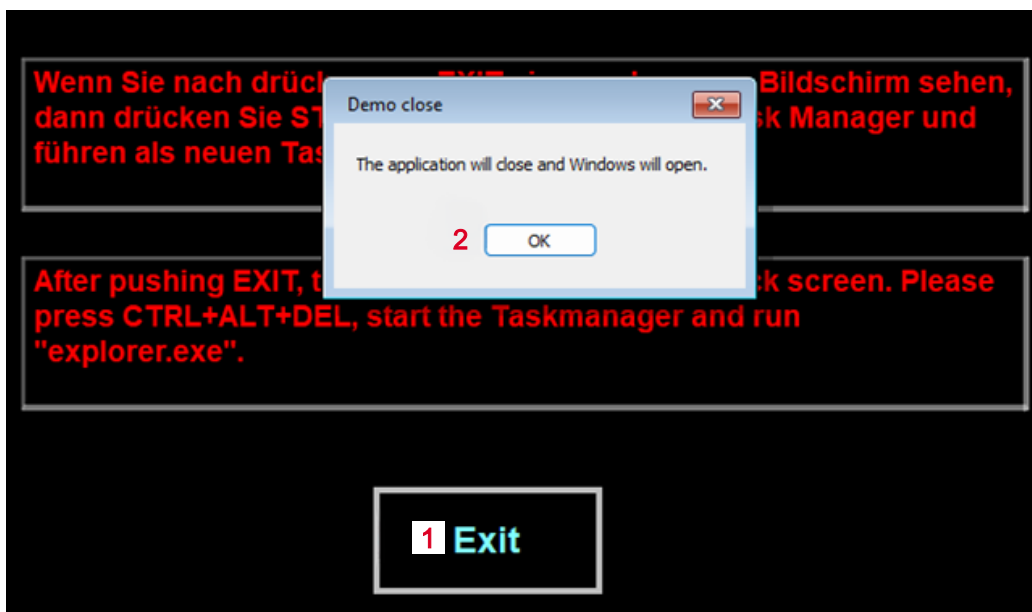


Fig. 9: Exit demo project

- Exit the demo project either by clicking the **Exit (1)** button or by pressing the **Ctrl+End** key combination.
- ⇒ The default shell (explorer.exe) opens automatically, and the following screen appears:

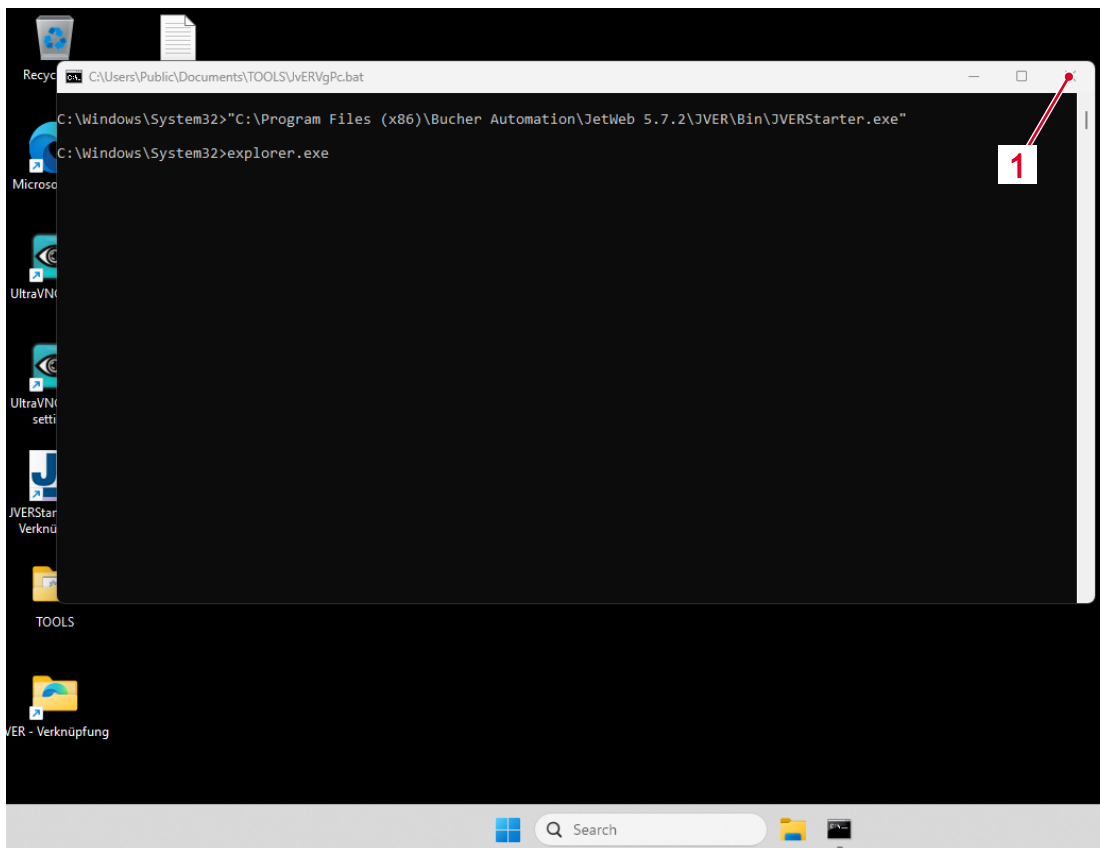


Fig. 10: Demo project completed

- ▶ Close the command prompt by clicking X (1).
- ⇒ You will be taken to the Windows desktop.

Black screen

If a black screen appears instead of the interface shown in the instructions:

- ▶ Press **Ctrl+Alt+Del**.
- ⇒ The following screen appears:

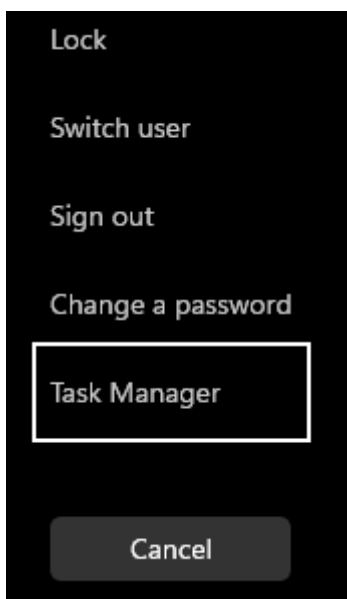


Fig. 11: Open Task Manager

- ▶ Click "Task Manager."
- ⇒ After that, Task Manager will open, and you can launch File Explorer.

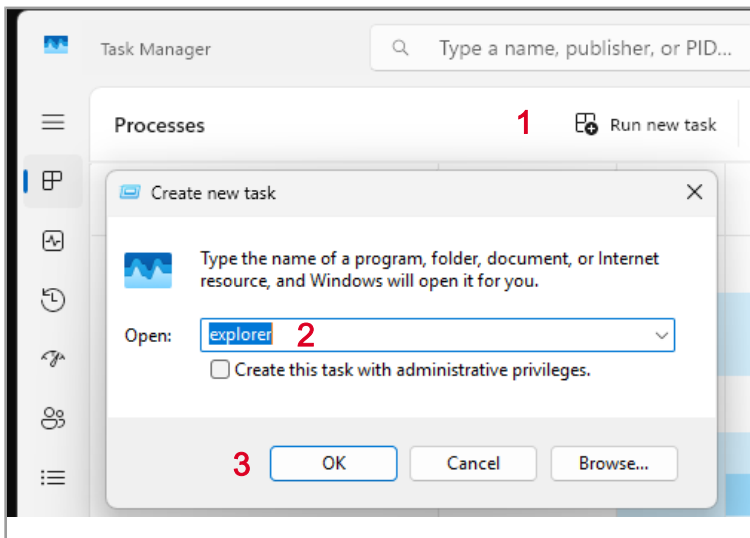


Fig. 12: Launch Explorer via Task Manager

1. Select "Run new task".
2. Enter "explorer" as a new task.
3. Press OK.

⇒ After about 10 seconds, the familiar Windows 11 taskbar will appear, and you can start using Windows.

8.3.3 Language setting

- The default system language at the time of delivery is set to English (US).
- You can change the system language to German.



1. Type "language" into the search bar.
- ⇒ The following menu screen appears:

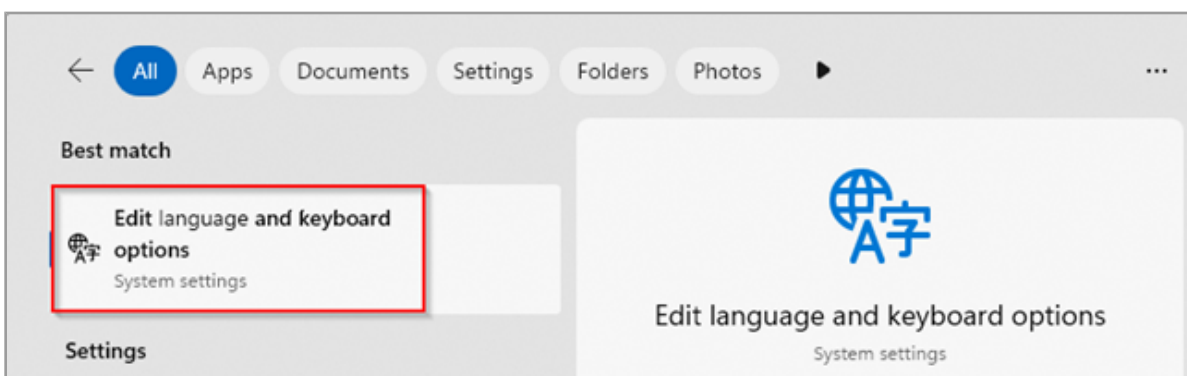


Fig. 13: Language setting

2. Click Edit language and keyboard options.

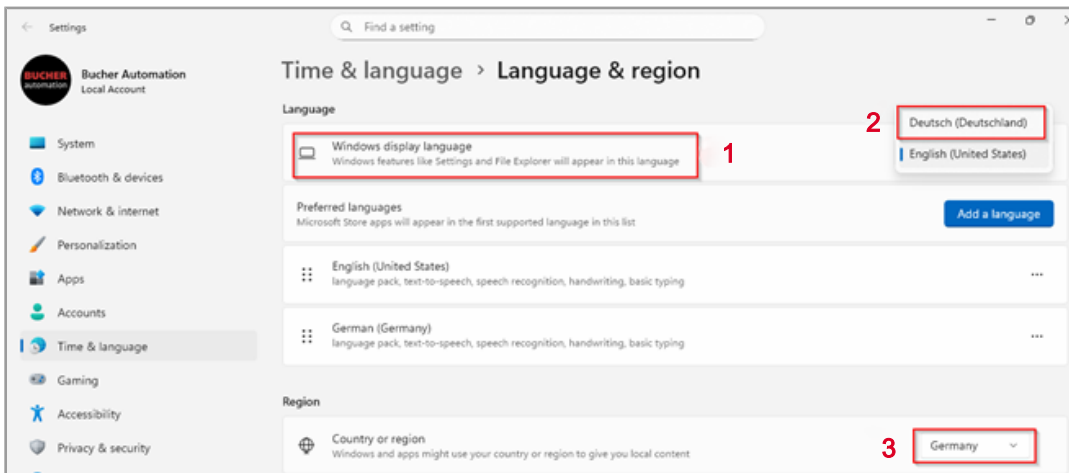
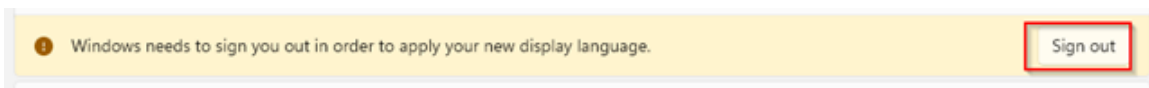


Fig. 14: Time and Language Settings

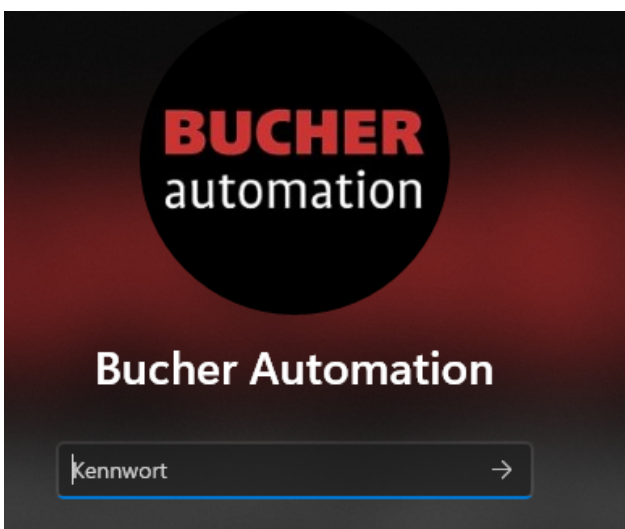
3. Click on **Windows display language** (1) and select **German (Germany)** (2) from the drop-down menu.
4. Select **Germany** as the region (3).



5. Please sign out using **Sign out** and sign in again.
 - ⇒ Only then will the settings be applied.
 - ⇒ The following screen appears:



6. Click **once** on the image.
 - ⇒ The login window opens.



7. Enter the password "**Bucher**".
 - ⇒ After logging in, JVER will restart in kiosk mode.

8.3.4 IP address and login credentials

Parameters	Value
Pre-configured static IP address on port "LAN1"	192.168.10.15
IP address on port "LAN2"	The IP address for LAN2 is assigned via DHCP
Username	Bucher Automation (Note the space!)
Password	Bucher

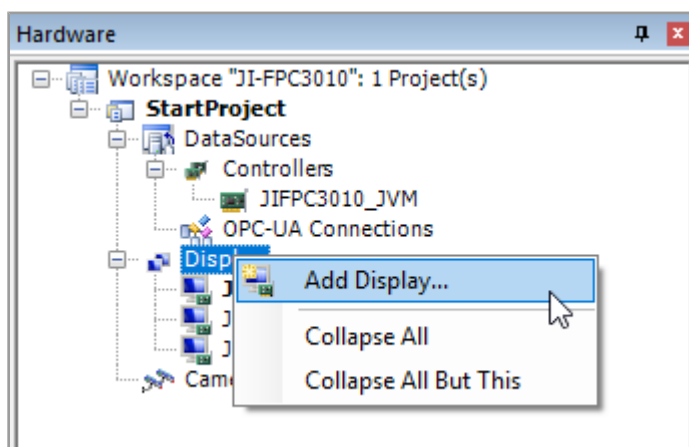
Tab. 12: IP address and login credentials

- Change your password to protect against unauthorized access!

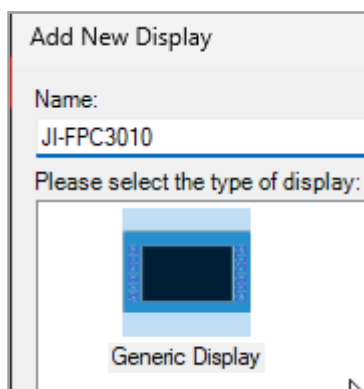
8.4 JetViewSoft Settings on the Engineering PC

8.4.1 Load and Convert Project / Workspace

1. Load your project as usual.
2. Open StartProject.
3. Right-clicking on Displays opens a drop-down menu.



4. Select Add Display.



5. Select Generic Display .
6. Set the resolution in the Properties .

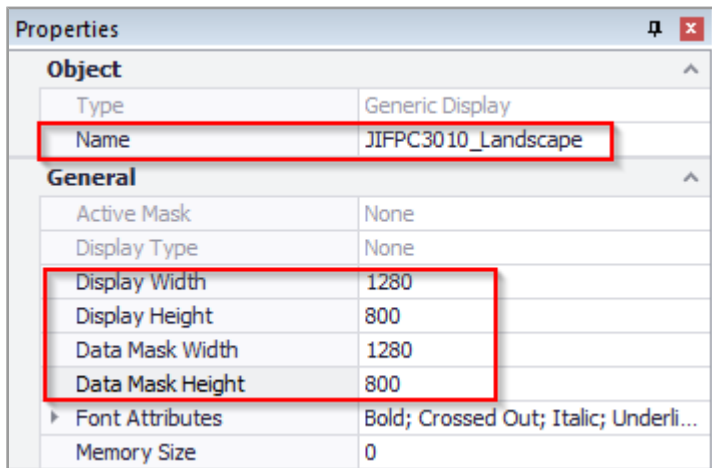


Fig. 15: Example of landscape orientation

- Convert your project to the ER-STX-VG (PC) platform

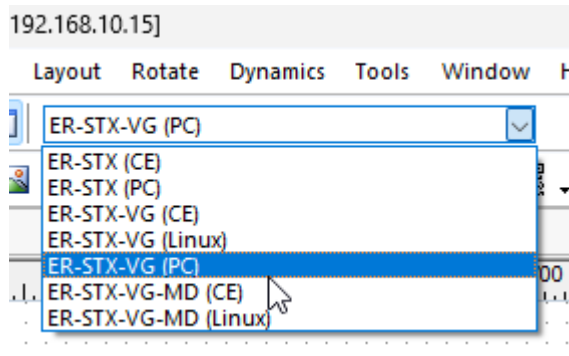
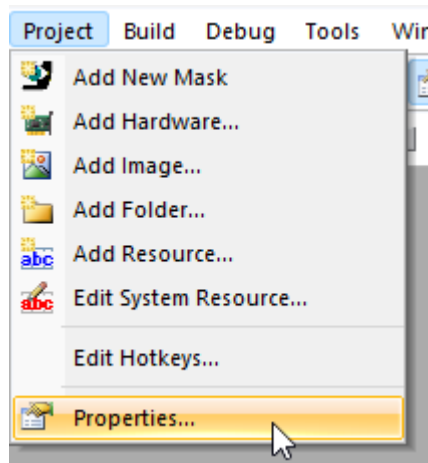


Fig. 16: ER-STX-VG Platform (PC)

8.4.2 Project Settings



- In the main menu, go to Project > Properties

FTP server and project directory

The FTP server on the JI-FPC30xx devices is Windows' built-in FTP server, which is configured via IIS Manager (see Chapter [FTP Server Windows](#) [▶ 37]).

Parameters	Value
Home directory	C:\Users\Public\Documents\JVER NOTICE! The startup directory for the application on JI-FPC30xx devices is fixed.
Username	Bucher Automation (Note the space!)
Password	Bucher

Tab. 13: FTP server and home directory

Deployment

The most important settings for deployment are:

Deployment Target

In addition to the **IP address**, the **login credentials** and the “**Local Path**” on the target device are the most important settings.

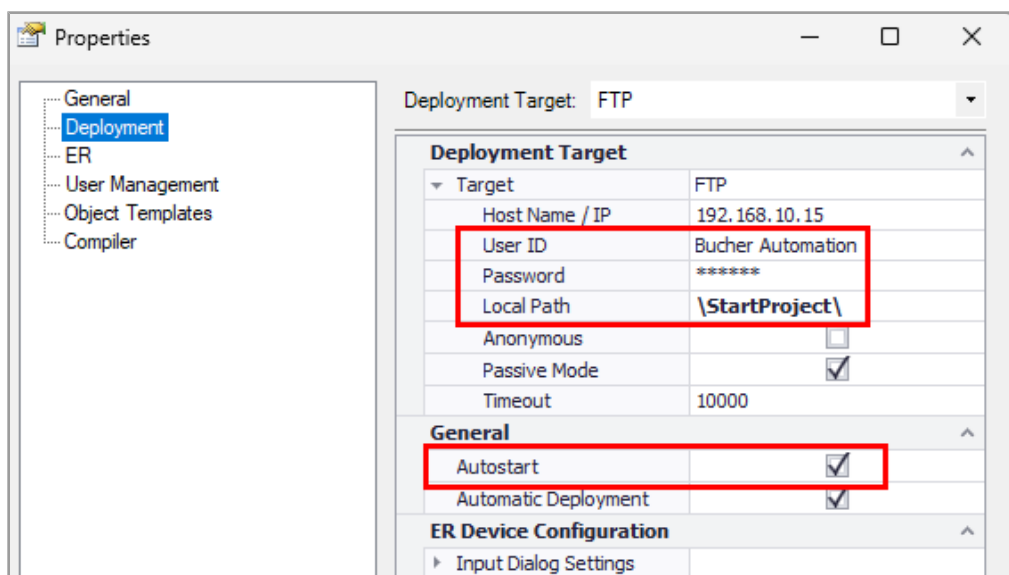


Fig. 17: Settings Deployment Target

NOTICE! The default login credentials—“User ID” and “Password”—have changed compared to JV-10xx devices.

- You must now enter the login credentials of a user registered on the JI-FPC30xx device. (See also the chapter [User Accounts](#) [▶ 30])
- Any changes or additions to the FTP login credentials (user ID/password) must be made on the JI-FPC30xx (user account/password).

Project File Storage

The project files are stored in this folder on the target device:

C:\Users\Public\Documents\JVER\<Project Name>\

<Project Name> is in the following example: Start Project

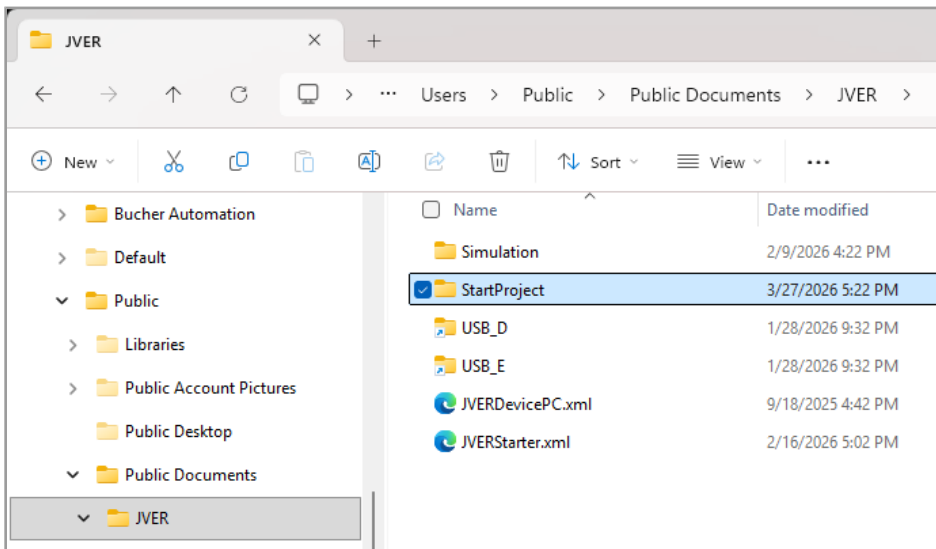


Fig. 18: Location of project files on the JI-FPC30xx

Autostart

Only if the checkbox next to **Autostart** is selected will the desired project be entered as the startup project in the “JVERStarter.xml” file on the target device. Otherwise, the most recently saved project will be launched, or JVER will start with the error message below.



Fig. 19: Autostart error message

If a startup project is defined but cannot be found, the following message appears:

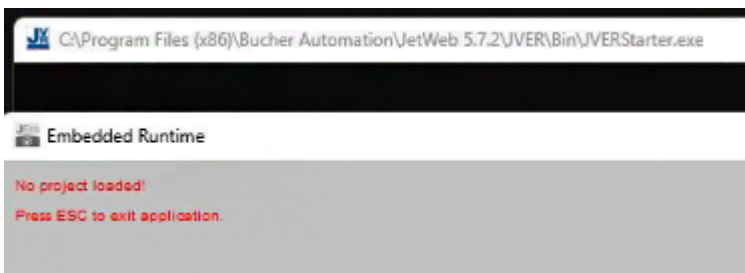


Fig. 20: Error message: Start project not found

8.5 Operating system and user account

8.5.1 Windows 11

The following operating system is installed on the JI-FPC30xx devices:

Windows 11 IoT Enterprise LTSC 2024 OEM

The operating system is already activated when the device is shipped.

8.5.2 User accounts

"Bucher Automation" user account with administrator privileges upon delivery

JI-FPC-30xx devices are shipped with the following user accounts:

Account name:

Bucher Automation (Note the space!)

Password:

Bucher

The account has administrator privileges.

NOTICE! Please do not change the account name. Windows only changes the displayed name.

All other settings, such as directory paths, FTP login name, etc., will remain the same.

- **Change your password to protect against unauthorized access!**

8.6 Device settings

The following section describes the most important device settings and how to change them.

1. After making changes to the settings, shut down the device normally.
2. Don't just turn it off, or your changes might not be saved.

8.6.1 Network settings

The device has two independent LAN ports.

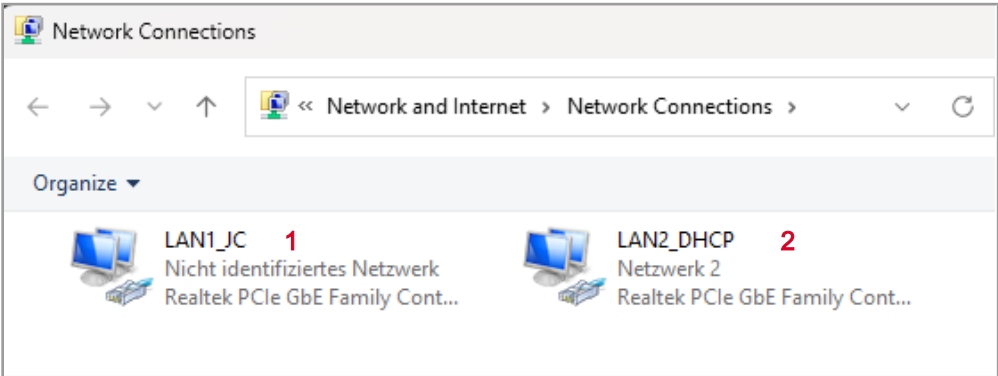


Fig. 21: LAN interfaces

1	LAN1_JC: Das Geräteport LAN1 ist mit einer festen IP-Adressen konfiguriert: 192.168.10.15
2	LAN2_DHCP: Das Geräteport LAN2 ist bei Auslieferung als DHCP-Client konfiguriert.

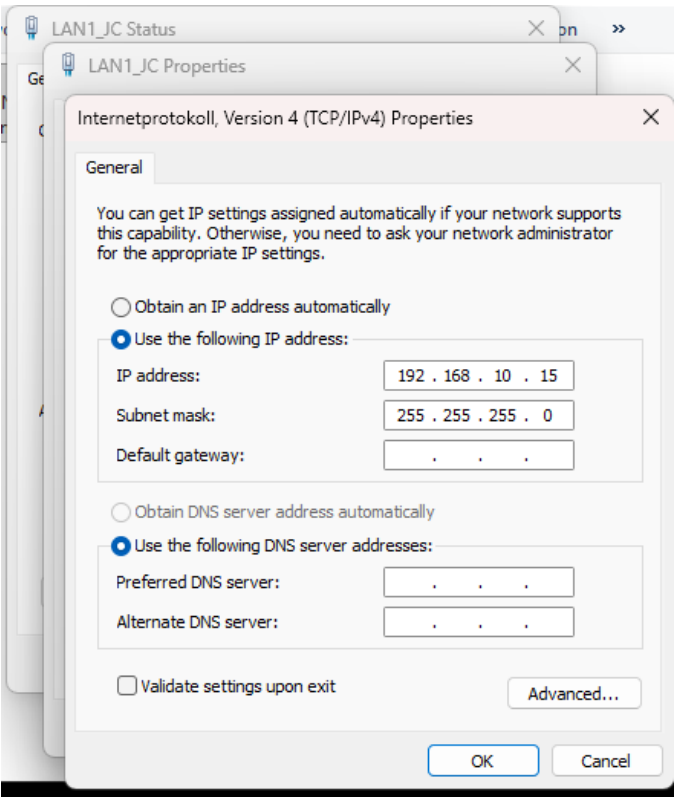


Fig. 22: Features of the Internet Protocol

As with any Windows computer, additional IP addresses can be added.

8.6.2 UWF Writefilter

The Unified Write Filter (UWF) redirects write operations to an overlay, thereby protecting the system from damage caused by abrupt shutdowns. The goal is to maintain a consistent system state at all times. Updates and software installations must still be possible.

Shipment configuration

- UWF is protecting a non-existent volume (X:).
- Windows writes system changes to the overlay file, not to the C: drive.
- The overlay is discarded when the system restarts.

Advantages

A hard shutdown is not a problem; Windows and Runtime updates can still be installed.

NOTICE! Changes such as IP address, date/time, display settings, etc., are only reliably applied by Windows if the device is restarted normally and not force-shutdown (regardless of the UWF).

Scripts for configuring the UWF write filter

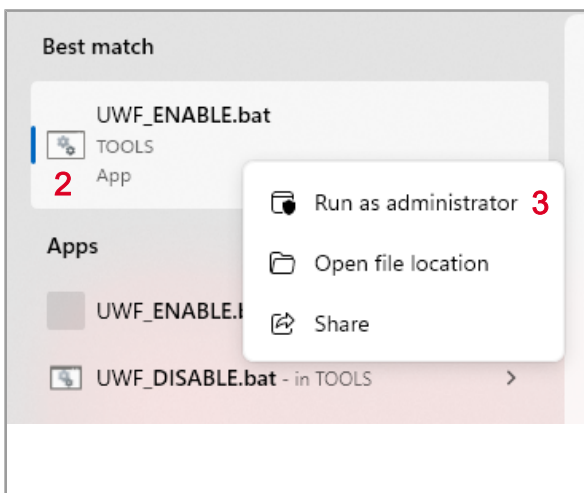
On the JI-FPC30xx, several scripts (*.bat and *.ps1) are stored in the folder **C:\USERS\PUBLIC\DOCUMENTS\TOOLS**.

- This allows you to configure settings on the UWF.
- The scripts must be run with administrator privileges.
- The easiest way to access them is through the Windows search function.
- You can also run it from the command shell.

Example: Launch via Windows Search



1. Type "UWF" into the Windows search bar (1).



⇒ All files that begin with "UWF" are displayed (2).

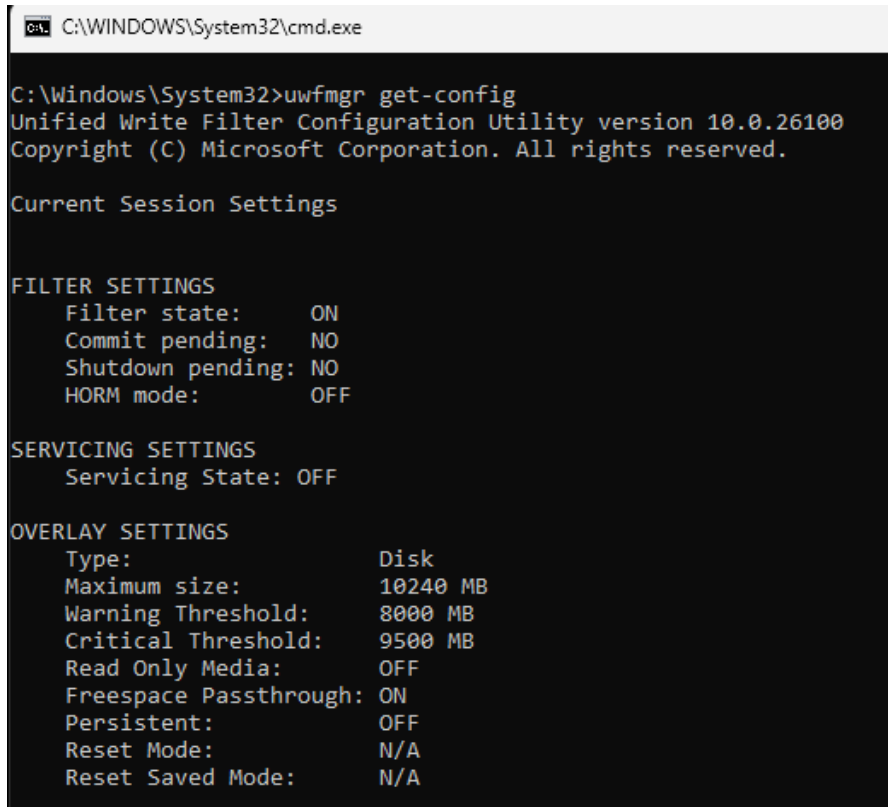
2. Run the desired file as an administrator (3).

Read the current configuration of the UWF filter

If you want to know how the UWF is currently configured, run the following script with administrator privileges:

"C:\Users\Public\Documents\TOOLS\UWF_get-config.bat"

The output in the DOS window is a bit longer and shows the current configuration and the configuration after a reboot.



```
C:\WINDOWS\System32\cmd.exe

C:\Windows\System32>uwfmgr get-config
Unified Write Filter Configuration Utility version 10.0.26100
Copyright (C) Microsoft Corporation. All rights reserved.

Current Session Settings

FILTER SETTINGS
  Filter state:      ON
  Commit pending:   NO
  Shutdown pending: NO
  HORM mode:        OFF

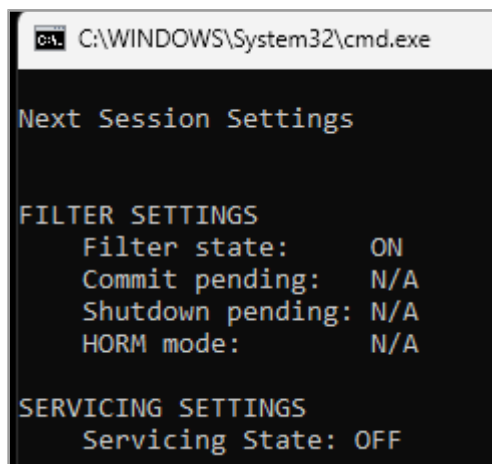
SERVICING SETTINGS
  Servicing State:  OFF

OVERLAY SETTINGS
  Type:             Disk
  Maximum size:     10240 MB
  Warning Threshold: 8000 MB
  Critical Threshold: 9500 MB
  Read Only Media:  OFF
  Freespace Passthrough: ON
  Persistent:       OFF
  Reset Mode:       N/A
  Reset Saved Mode: N/A
```

Fig. 23: DOS Box

- Scroll down further with your mouse to see more information about UWF settings, such as the settings that will take effect after the next restart.

After restarting (next session), UWF is disabled:



```
C:\WINDOWS\System32\cmd.exe

Next Session Settings

FILTER SETTINGS
  Filter state:      ON
  Commit pending:   N/A
  Shutdown pending: N/A
  HORM mode:        N/A

SERVICING SETTINGS
  Servicing State:  OFF
```

Fig. 24: UWF disabled

Disable UWF Filter

If you need access to additional system settings or want to disable the filter before installing a Windows update, you can disable UWF. To do this, run the following script with administrator privileges:

"C:\Users\Public\Documents\TOOLS\UWF_DISABLE.bat"

The computer will restart automatically after the script has run (prompt: "Press any key").

Important:

1. Even if UWF is disabled, be sure to shut down the device properly after making changes to the system or files. Only then will Windows apply the changes correctly.
2. Don't forget to re-enable UWF.

Enable UWF Filter

If you have disabled UWF, you can re-enable it using the following script (run as an administrator):

"C:\Users\Public\Documents\TOOLS\UWF_ENABLE.bat"

The computer will restart automatically after the script has run (prompt: "Press any key").

UWF settings required to perform a Windows Update

Option 1

- The UWF is configured so that regular Windows updates and other software updates can be installed on drive C: as usual.
- This method has been tested multiple times with Windows updates and other software updates (JetView-Soft Runtime) and has worked flawlessly.

Option 2

If, contrary to expectations, Option 1 does not work, you can try it with UWF disabled.

Procedure

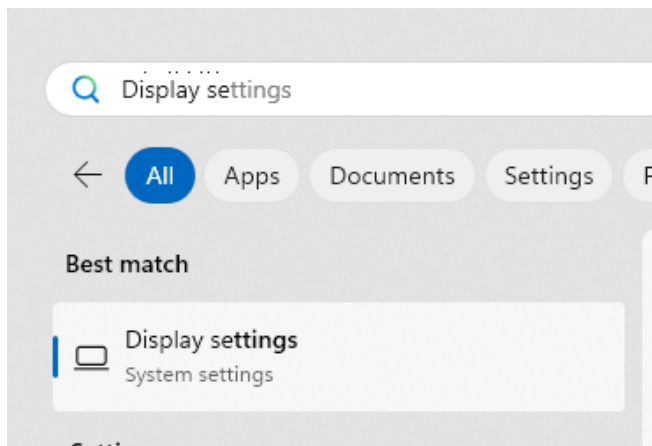
1. If necessary, close JetViewSoft Embedded Runtime and, if it doesn't close automatically, restart explorer.exe via Task Manager.
2. As an administrator, disable UWF using "C:\Users\Public\Documents\TOOLS\UWF_DISABLE.bat"
⇒ The device will restart automatically.
3. As an administrator, disable Autologon using "C:\User\Public\Documents\TOOLS\autologon.exe".
4. Connect the device to the Internet.
5. Check for updates.
6. Install the updates.
⇒ The device may restart several times.
7. Re-enable Autologon.
8. Re-enable UWF using "C:\Users\Public\Documents\TOOLS\UWF_DISABLE.bat".

8.6.3 Display settings

In the display settings, you can change the screen orientation and brightness, among other things.

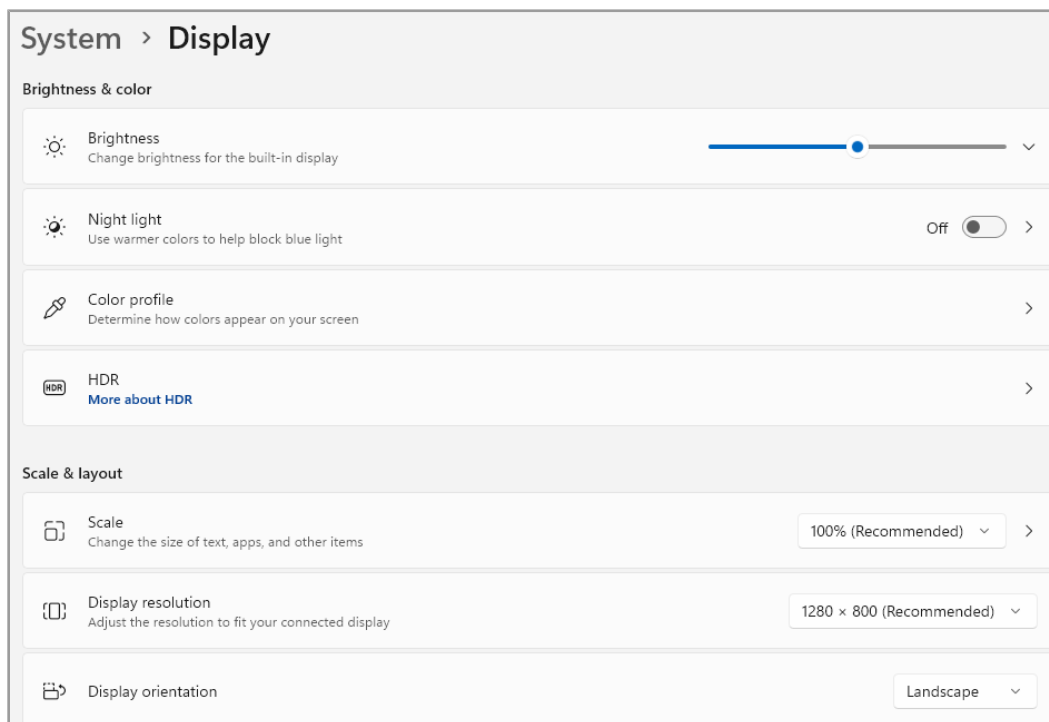


1. Click the search function.



2. Type "Display settings" into the search bar.

⇒ The following page appears:



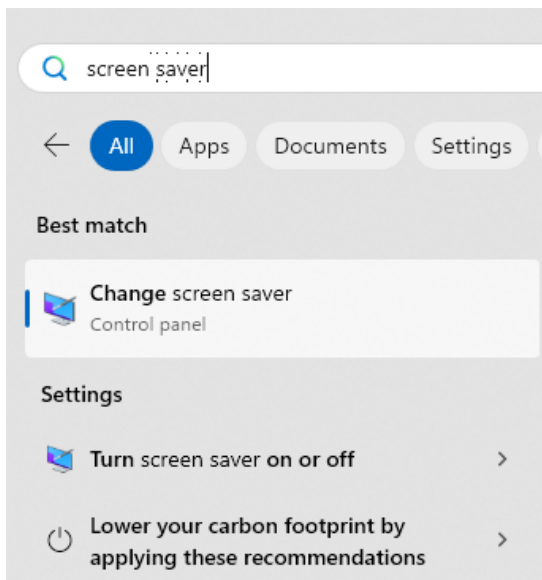
3. Configure the desired settings.
4. After making changes to the display settings, shut down the device normally.
5. Don't just turn it off, or the changes might not be saved.

8.6.4 Screensaver

- A screensaver is enabled by default and turns on after 5 minutes.
- You do not need to re-register after reactivation.

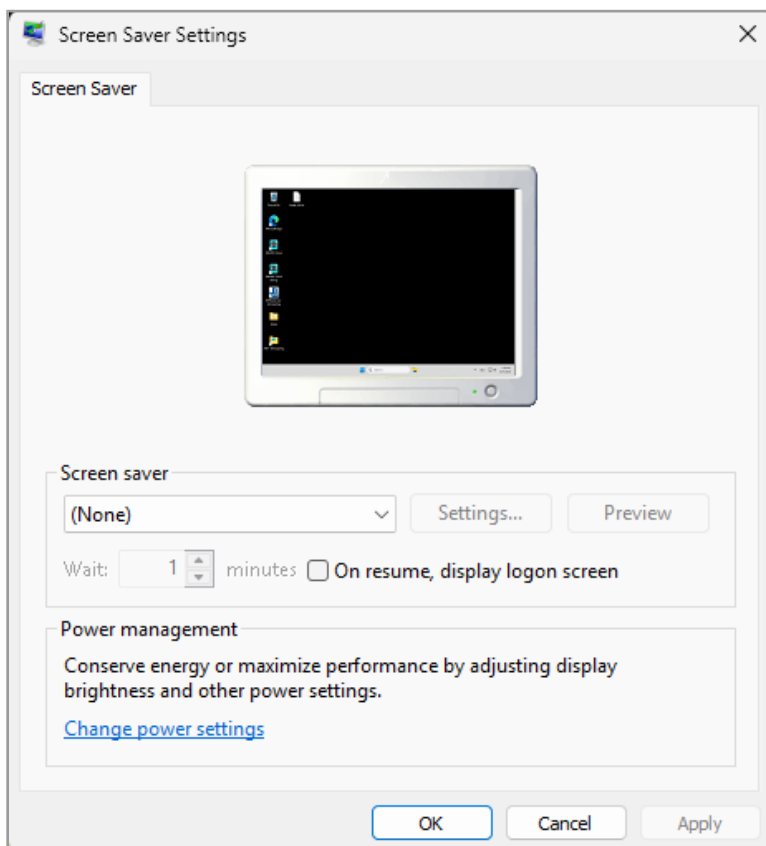


1. Click the search function.



2. Type "Display settings" into the search bar.

⇒ The following page appears:



3. Configure the desired settings.

8.6.5 FTP Server Windows

- The FTP server is enabled through Windows Features and configured using IIS Manager.
- Upon delivery, the Windows FTP server is configured and uses "C:\Users\Public\Documents\JVER" as its root directory.
- In addition, external USB storage devices can be connected.
- These appear as USB_D and USB_E

The login credentials are the same as those for the Windows user. So if you change this information, your FTP login credentials will also change.

Username

Bucher Automation (Note the space)

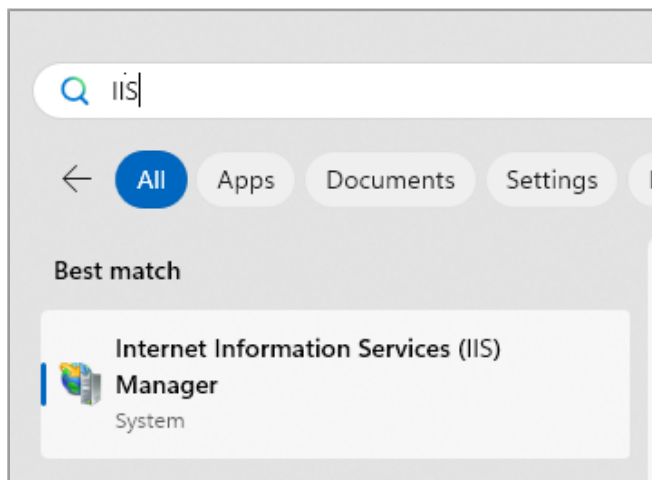
Password

Bucher

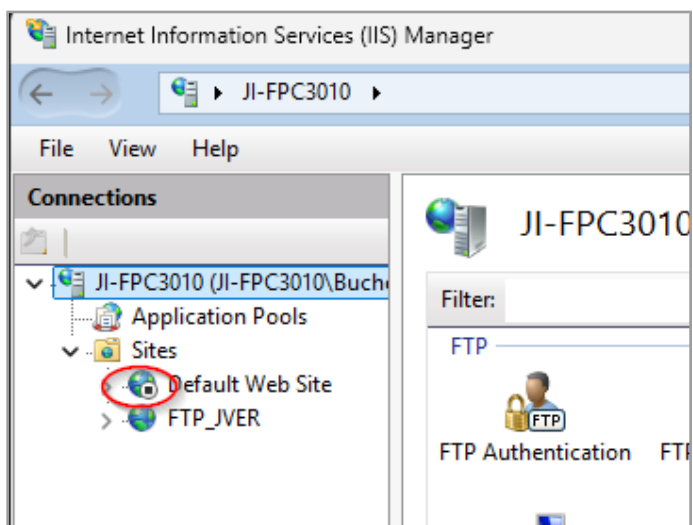
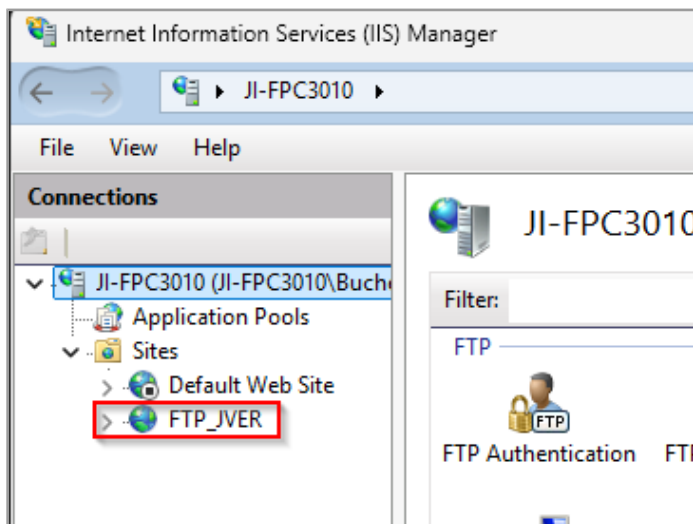
FTP Server Settings

Normally, no changes to the settings are necessary.

Make changes

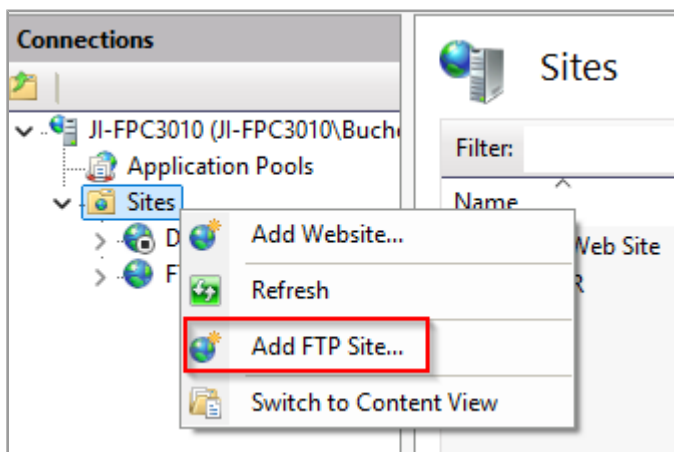


- If you want to make changes to the connections or add a connection, launch Internet Information Services (IIS) Manager.
 - ⇒ The following page appears:

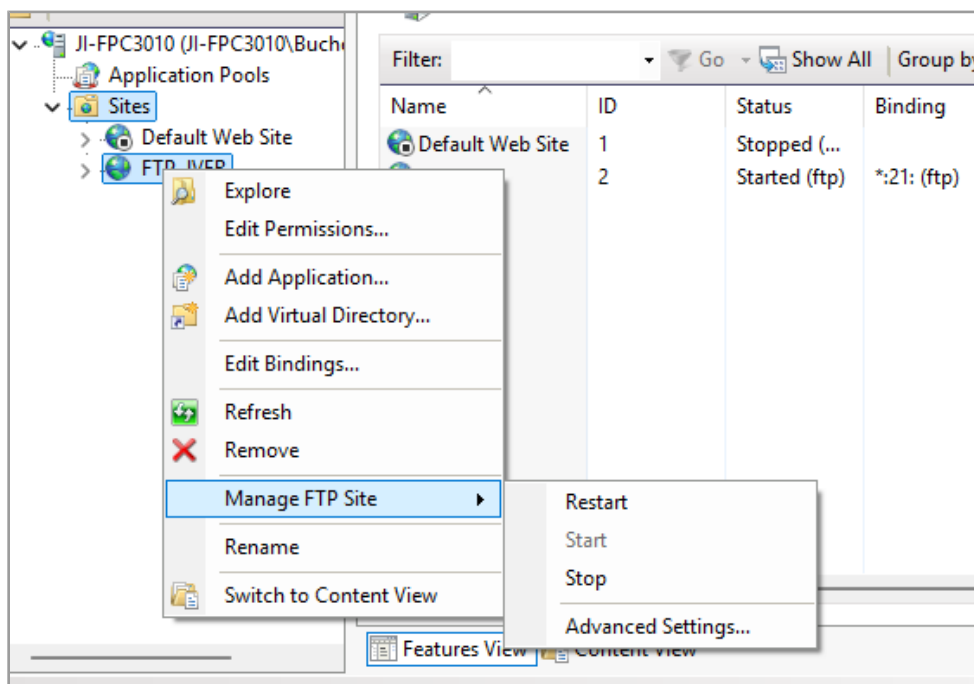


- If a connection is marked with a dot, it has been terminated and is not active.
- Only one connection can be active at a time.

Add a new connection



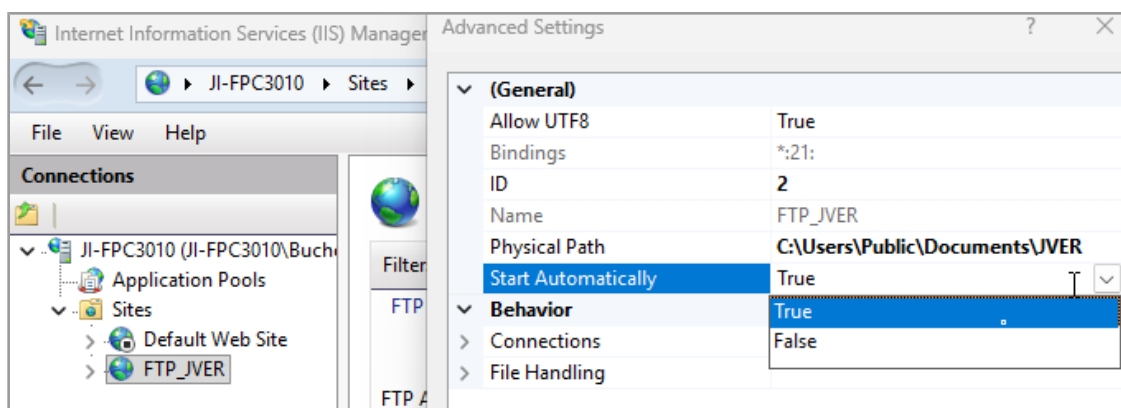
1. Add a new connection using the context menu.



2. Start or end connections using the context menu by right-clicking.

Start connection automatically

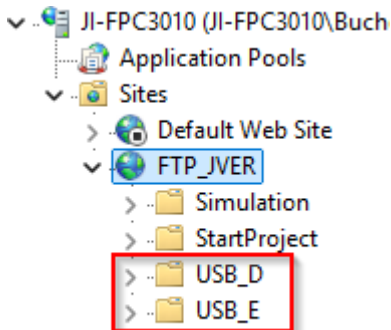
1. Select Advanced Settings.



2. Select True to start a connection automatically.

FTP access to external storage devices (USB flash drives)

- You can access external storage devices connected to the device via USB.
- To this end, symbolic links to the external storage media have been configured.
- When an FTP_JVER connection is active, the USB drives "D:" and "E:" are mapped to the directories "USB_D" and "USB_E" if they are connected.



Create shortcuts to USB drives

1. Open the Command Prompt with administrator privileges.
2. Use the "mklink" command to create directories (folders) that are accessible via the USB drives.

Example:

```
mklink /D "C:\Users\Public\Documents\JVER\USB_E" "E:\"
```

Create the directory C:\Users\Public\Documents\JVER\USB_E and map the "E:\" drive to it.

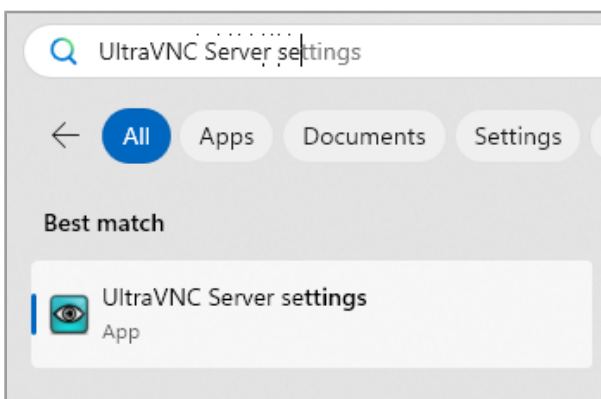
8.6.6 VNC Server

- A VNC server is installed on the device.
- If you want to establish a remote connection via VNC, you need to launch a VNC client on your PC.

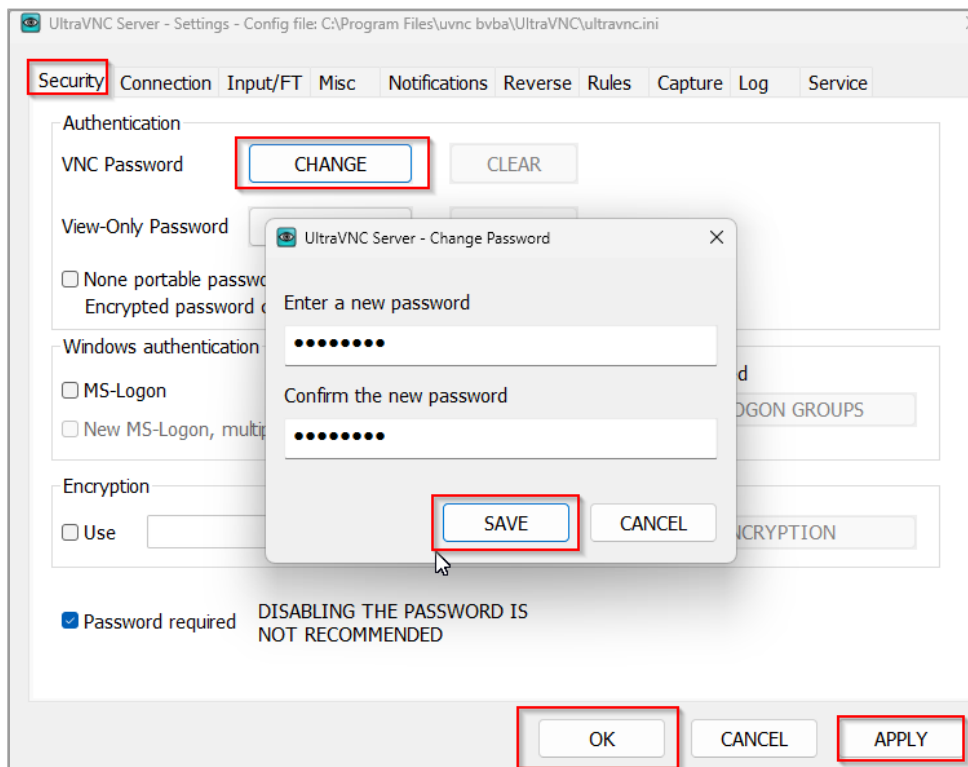
Password

Bucher

Change settings



1. Open UltraVNC Server Settings on the JI-FPC30xx via the Start menu.



2. Change the password in the Security tab.

8.6.7 AutoLogOn and Kiosk Mode with Default User

The version of the JI-FPC30xx-ER with the JetViewSoft Embedded Runtime installed is launched in what is known as **kiosk mode**. This means that the device boots up and launches the embedded runtime (JVER-STX-VG (PC) platform) without requiring a user to log in.

Default settings upon delivery

Default user: Bucher Automation

Autologon: Yes (Default User)

- The only app that launches in kiosk mode on the JI-FPC30xx -ER is: **JVERStarter.exe**.
- To change these settings, you can use the registry entries, scripts, and Windows tools described in the following sections.

NOTICE! To change settings in the registry, you must first disable the Unified Write Filter (UWF) and reboot the device.

- ✓ You are logged in as an administrator.
- 1. Run the script `UWF_DISABLE.bat` in the folder `c:\user\Public\Documents\TOOLS`.
- 2. Then reactivate UWF using `UWF_ENABLE.bat`.
- ⇒ The system will restart automatically.

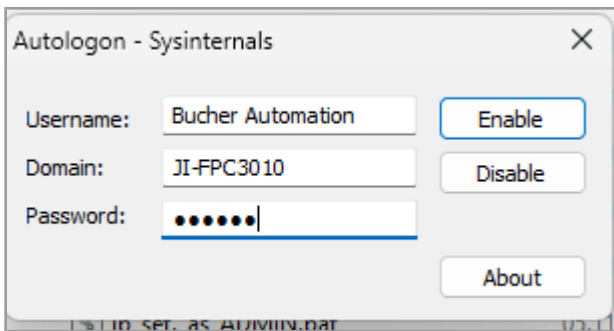
8.6.8 Autologon.exe

Autologon.exe is an official, free tool from Microsoft that is part of the Sysinternals collection. It allows you to log in to Windows automatically without having to enter a password. This tool can be downloaded from the official Microsoft Learn website.

[Autologon - Sysinternals | Microsoft Learn](#)

The tool is already located on the JI-FPC30xx in the folder `C:\Users\Public\Documents\TOOLS`.

NOTICE! It must be run with administrator privileges, and Universal Write Filter (UWF) must be disabled for the changes to take effect.



If you set **Disable**, autologon will no longer be performed at the next startup, and the user will have to log in manually.

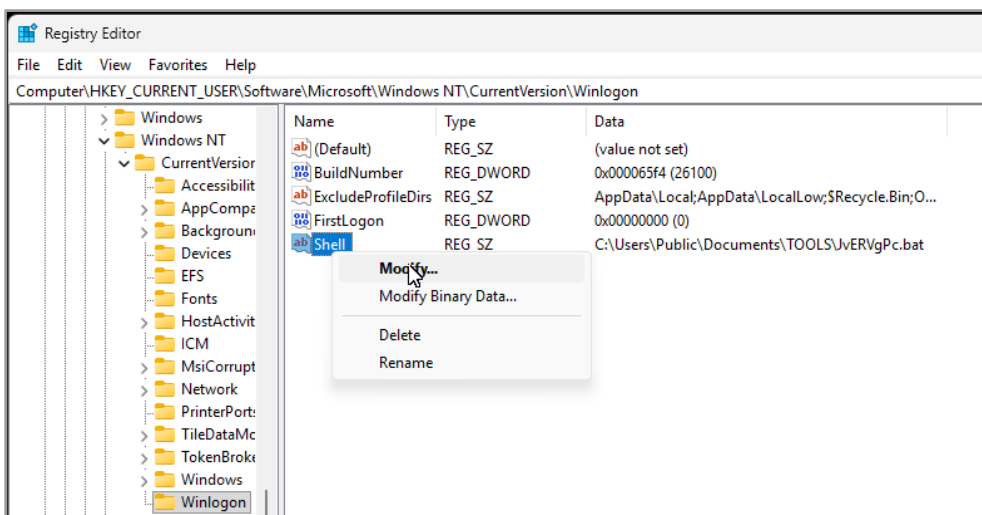
8.6.9 Kiosk Mode

Kiosk mode is a special operating mode for devices such as PCs, tablets, or terminals, in which the system is restricted to a single application or a limited set of functions.

In the case of the JI-FPC30xxevent, JetView Embedded Runtime is the only application that is launched.

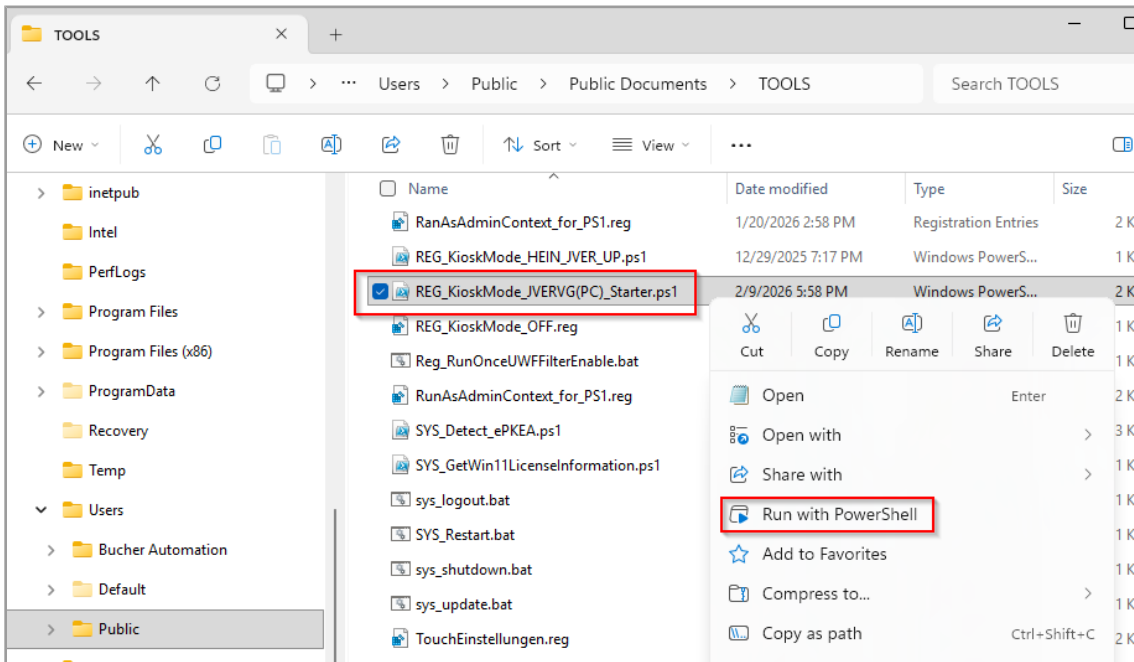
Kiosk mode for native Windows applications (32- or 64-bit) is configured via a registry entry.

Manual configuration using regedit.exe



1. Navigate to HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Winlogon
2. Change the value Shell to C:\Users\Public\Documents\TOOLS\JvERVgPc.bat.

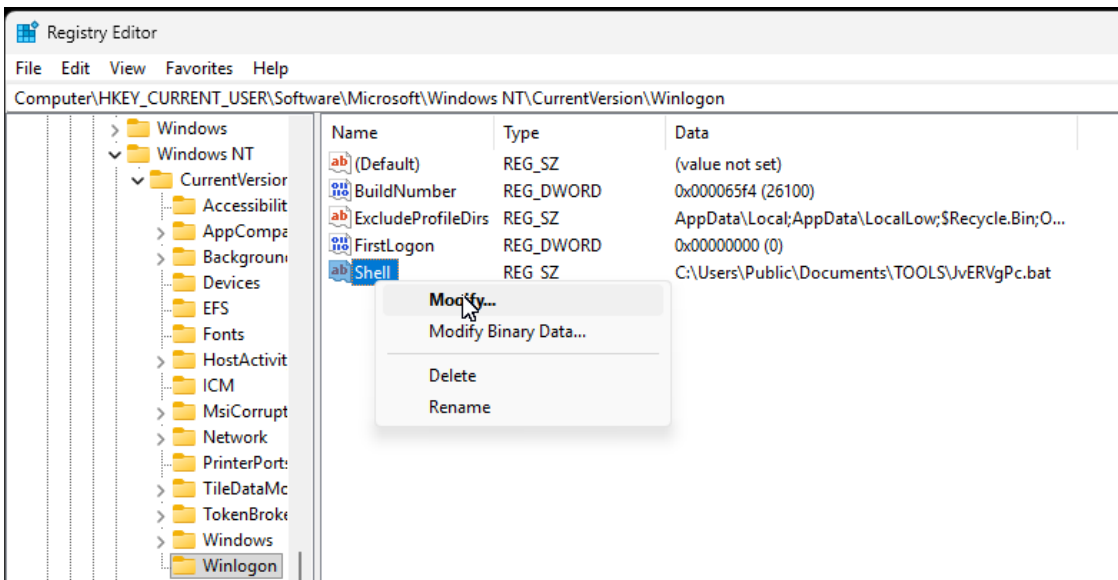
Configuration using the PowerShell script



- ✓ The PowerShell script must be run by a user with administrator privileges (e.g., the "Bucher Automation" user).
- 1. Navigate to `C:\Users\Public\Documents\TOOLS\REG_KioskMode_JVERVG(PC)_Starter.ps1`.
- 2. Select `Run with PowerShell`.

Exit kiosk mode

Manual termination using regedit.exe



1. Navigate to `HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Winlogon`
2. Change the value `Shell` to `explorer.exe`.

Disable using the script `C:\Users\Public\Documents\TOOLS\REG_KioskMode_OFF.reg`

- Double-click the file.

9 System Backup and Recovery

9.1 Backup

If you are creating an image of the device using an imaging tool (e.g., Acronis True Image, DriveSnapshot, or Clonezilla), follow these steps:

- ✓ Run these steps as an administrator.
- 1. Disable the UWF filter using the script
`"C:\Users\Public\Documents\TOOLS\UWF_DISABLE.bat"`
 ⇒ The device restarts automatically after a button is pressed.
- 2. After restarting, run the following script:
`"C:\Users\Public\Documents\TOOLS\Reg_RunOnceUWFFilterEnable.bat"`
 ⇒ This is necessary to ensure that the UWF filter is automatically enabled after an image is loaded, so you don't forget to turn it on.
- 3. Create the image.

Why does the UWF filter need to be disabled before creating an image?

Microsoft states that restoring images created with the UWF filter enabled may result in UWF misconfigurations on the destination system.

9.2 Recovery

- 1. Flash the image to the device.
- 2. Restart the device.
- 3. **ONLY for devices with kiosk mode enabled:**
 Close the app that was launched in kiosk mode.
 For device variants ending in "-ER," this is the JVER. Close it using the keyboard shortcut
`<CTRL+END>`.
 Or alternatively: Open the Task Manager by pressing `<CTRL+ALT+DEL>` and start Explorer as a new task.
 See also [Exit the demo project and switch to Windows \[► 22\]](#).
 ⇒ The device will now activate the UWF filter and restart automatically.

10 Maintenance

This product is maintenance-free. The operation of the product does not require inspection or maintenance efforts.

10.1 Repairs

Defective components can cause dangerous malfunctions and compromise safety.

Only the manufacturer is authorized to perform repair work.

It is forbidden to open the product.

Product modifications

Modifications and alterations to the product and its functions are not allowed. The manufacturer exempts from liability for any modifications made to the product.

The original parts are specifically designed for the product. Parts and equipment from other manufacturers must not be used.

The manufacturer exempts from liability for any damage resulting from the use of non-original parts and equipment is excluded.

10.2 Storage and Shipment

Storage

When storing the product, observe the environmental conditions given in chapter "Technical specifications".

Shipment and packaging

The product contains electrostatically sensitive components which can be damaged if not handled properly. Damages to the product can impair its reliability.

To protect the product from impact or shock, it must be shipped in its original packaging, or in an appropriate protective ESD packaging.

If the packaging is damaged, inspect the device for any visible damage, and immediately inform your freight forwarder and Bucher Automation AG of the damage caused during shipment. It is strictly forbidden to use a product that has been damaged or dropped.

10.3 Return and Disposal

The WEEE icon (crossed-out wheeled bin) says that end users must not dispose of waste electrical and electronic equipment together with household waste, but separately in an appropriate way. Applicable local environmental directives and regulations must be complied with.

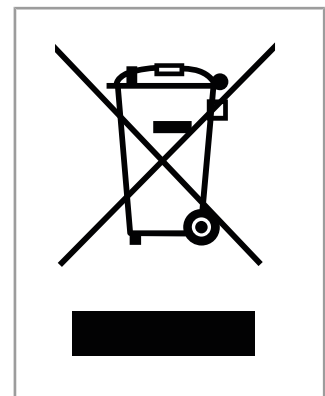


Fig. 25: WEEE icon – crossed out wheeled bin

Disposal options

To do so, you may either resort to professional disposal service providers or return waste electronics to Bucher Automation AG.

Find detailed information along with the required Return Delivery Form on our [website](#).

Batteries

Prior to disposing of waste electronics, remove any batteries where this is possible in a safe and non-destructive way. Dispose of batteries properly.

Personal data

It is the responsibility of the end user to delete any personal data stored on waste electric and electronic equipment prior to disposal.

Packaging material

The product's packaging materials must not be disposed of together with household waste. Find detailed information on how to return packaging material to Bucher Automation AG on our [website](#).

11 Service

11.1 Technical Support

If you have any questions, suggestions, or issues, our technical support team is here to assist you with their expertise. You can reach them by phone or through the contact form on our website:

[Technical Support | www.bucherautomation.com](https://www.bucherautomation.com/Technical-Support)

Or send us an email:

support@bucherautomation.com

Technical Support needs the following information:

- Hardware Revision and Serial Number

You can find the serial number and hardware revision of your product on the nameplate.

12 Spare parts and accessories

NOTICE

**Inadequate accessories might cause damage to the product**

Parts and equipment from other manufacturers might impede the function of the device and cause damage to the product.

- Only use accessories recommended by Bucher Automation AG.

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