

IBS Control Center

(Version 8.4 and up)

Install Tool for IBS

Quick Installation Guide

Table of contents

Table of contents2

Copyright, Disclaimer and Trademarks.....3

Prerequisites.....4

Introduction5

Installation.....6

First start.....9

Update Check10

Usage11

Appendix A: Communication Ports12

Appendix B: Uninstall.....13

Copyright, Disclaimer and Trademarks

Copyright

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Note: Because of the fast pace of software development, it is possible that there will be minor differences between the manual and the actual release of the program.

Trademarks

All trademarks are hereby acknowledged.

Prerequisites

Hardware requirements:

- CPU
 - 2GHz or higher
- Memory
 - 1GB or higher
- HDD
 - 512 MB free space

Operating System:

- Windows 10 x64, Windows 11 (no ARM processors)
- Windows Server 2016 (no offline help; no diagnostic zip functionality available)
- Windows Server 2019, 2022 and 2025

Note: For Server OS IE Enhanced Security Configuration must be set to **Off**

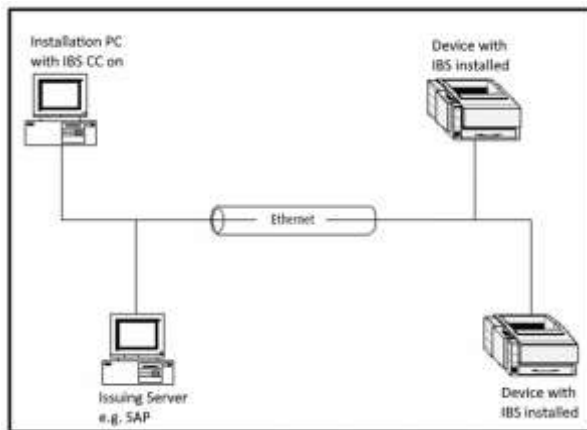
Web browser:

- Using offline help (F1 with no proper internet connection) might open a blank page instead of showing the content once the auto refresh is not enabled in the browser.

Introduction

The IBS Control Center (IBS CC) is a tool which:

- a) Installs the Ricoh Intelligent Barcode & OCR Package (IBS) on Ricoh devices.
- b) Provides test scenarios for checking the product's functionality.
- c) Offers fast and safe licensing of the product.
- d) Helps to trouble-shoot data streams in the Ricoh devices by providing debugging options.
- e) Provides new functionalities for finding devices on the network.
- f) Easily installs customer configurations on Ricoh devices.
- g) Many additional features like Quickset configurations, debugging etc.



This short diagram shows the connectivity situation between the Managing Station computers, the devices, and the issuing system on the network. The Managing Station runs IBS CC and manages the IBS software installed on all devices. Through IBS CC you are able to configure all devices that are compatible with IBS and running in a network. IBS CC is able to find all compatible devices in this local network or beyond and displays them in one window. In this way you have a complete overview of the devices that can be configured.

Installation

IBS CC can be downloaded from the [stethos web site](#)

The download package is compressed (zipped) and contains these files:



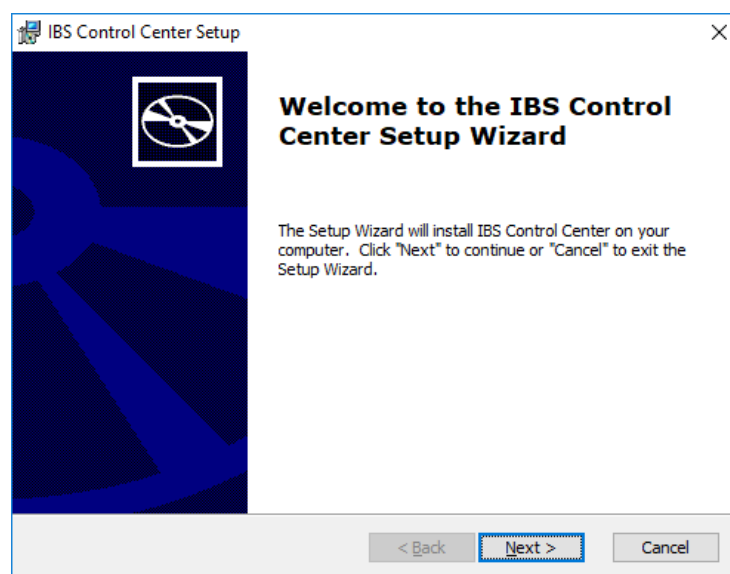
In order to start the installation of IBS CC just launch the **IBS_Control_Center-x-y-z-0.msi** and follow the instructions. The letters x, y and z represent the major, minor and build version numbers. It's highly recommended to review the **readme.txt** file prior to the installation.

NOTES:

- You need to have local administrator rights.
- If you have an earlier version of IBS CC installed, there is no need to remove this version. The automatic IBS CC built-in [update checker](#) informs you if an update is present. So just download the new full installer and run it against an existing installation of IBS CC.
- The installer installs the IBS CC software, as well as all needed IBS files.

Usually, you will use the [Single Click Installer](#) and the installation runs automatically. There is no need to launch the WIM Page of the device.

Welcome Page



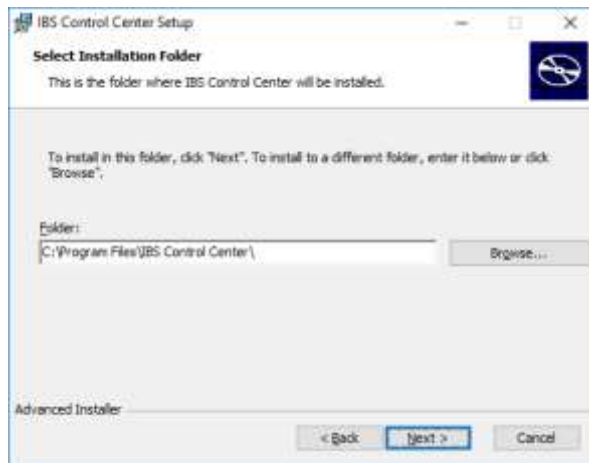
The new installer comes in the language your PC is setup for.

The IBS CC software itself is localized in:

English
French
German
Italian
Spanish
Swedish

Press **Next**

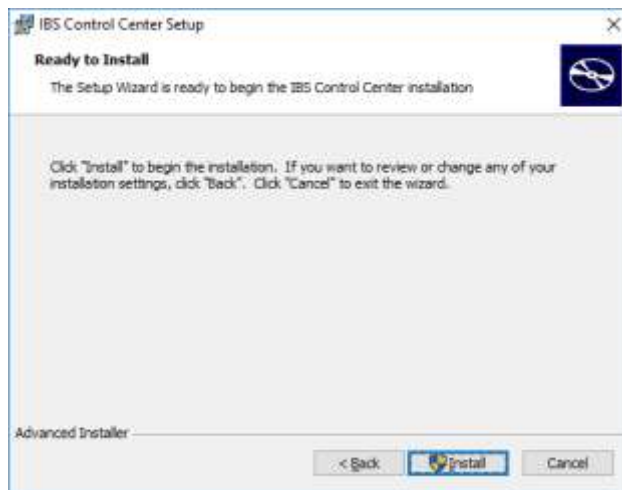
Choosing the Destination



The destination folder can be changed according to your preferences by clicking on Browse....

However, we recommend accepting the default folder.

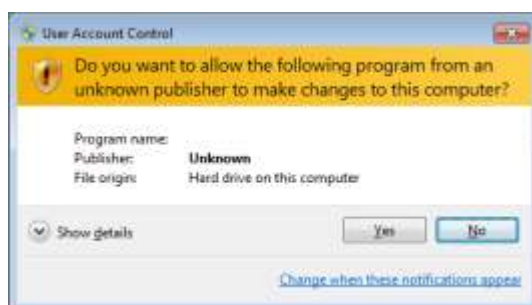
Final Window before installation



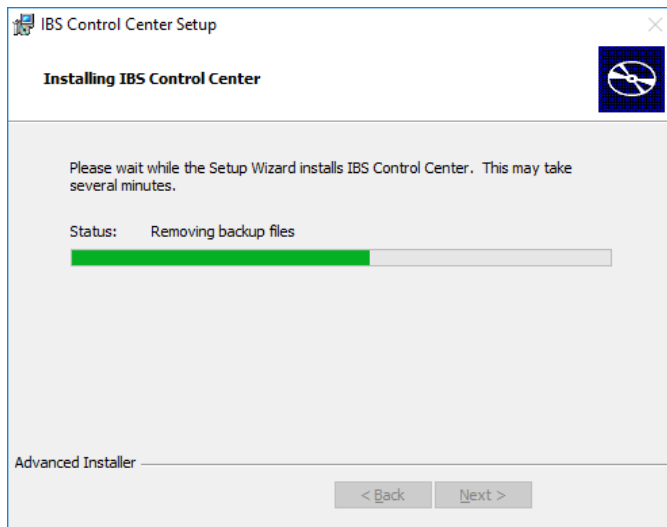
The final installation button indicates, that you need administrative rights for installation to continue.

You also may return to the previous step or cancel the installation. Click on the install button to continue

Please allow changes to the system

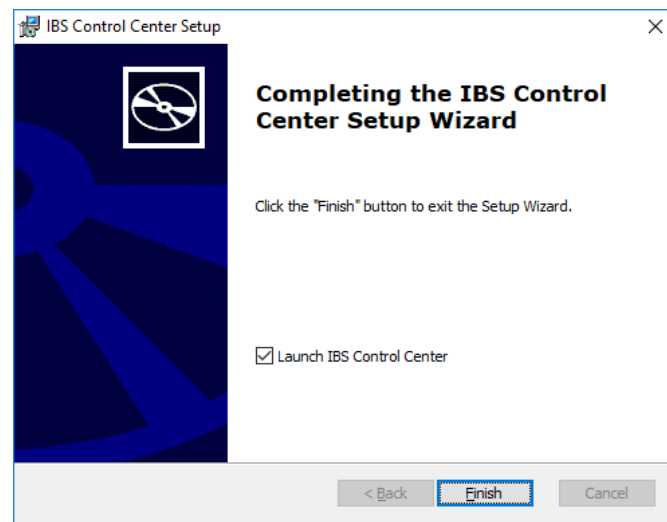


Copying in Progress



This may take a few minutes.

Installation Succeeded



After IBS CC is installed, you can close the installer and by default start IBS CC.

First start

First start of IBS CC – License Agreement

License Agreement

In order to use this software, you must agree to the following license agreement:

License Agreement

This is a legal agreement. By installing this software, you accept all the terms and conditions of this agreement. This Ricoh Europe PLC ("Rico Europe PLC") License Agreement accompanies the Ricoh Europe PLC Barcode & OCR Package - Intelligent Version ("Software") and related materials in writing or electronic format ("Documentation").

Grant of License

Upon your acceptance of this agreement, Ricoh Europe PLC grants to you a non-exclusive royalty-free license, with the right to install and use the Software. Each licensed component may be installed on a single print server, and the administrative applications and client components/applications may be installed on an unlimited number of computers connected with the same network.

Copyright

All the intellectual property rights in the Software are owned by Ricoh Europe PLC, and the software is protected by copyright laws and international treaty provisions. Therefore, you must treat the Software as any other copyrighted material except that you may make one copy of the Software solely for backup or archival purposes, as long as you otherwise comply with the terms of this Agreement. You may not copy the Documentation accompanying the Software for any reason whatsoever.

Restrictions

You may not rent or lease the Software. You may, however, transfer your rights under this Agreement on a permanent basis, provided you assign all your rights under this Agreement to the

Accept Decline

Please read the agreement carefully. If you want to know what IBS CC communicates with the internet, please read: [Privacy statement regarding the internet connections of the software](#) which is part of the questions and answers usually provided via WIM interface.

Every start: IBS CC – News

IBS News

24.03.2017
The IBS Control Center release 5.2.0.0 was released on the 27. March 2017 and supports MP C6503, MP C8003, Pro C5200S, Pro C5210S, MP 2555, MP 3055, MP 3555, MP 4055, MP 5055, MP 6055, Pro 8200S, Pro 8210S, Pro 8220S, Pro 8210, Pro 8220

☐ Don't show anymore

Previous News Close Next News

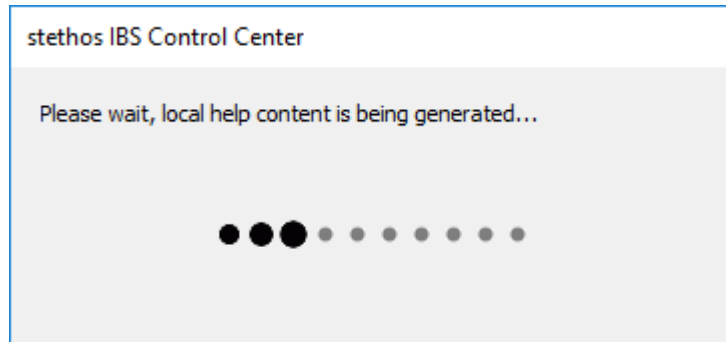
Depending upon the [settings](#), IBS CC will check on each start for product [related news](#). That news informs about:

- a) available updates
- b) major bug fixes
- c) upcoming versions

If an update is available, you will be asked if you want to download that update.

Update Check

First start of IBS CC – Extract local HTML Documentation



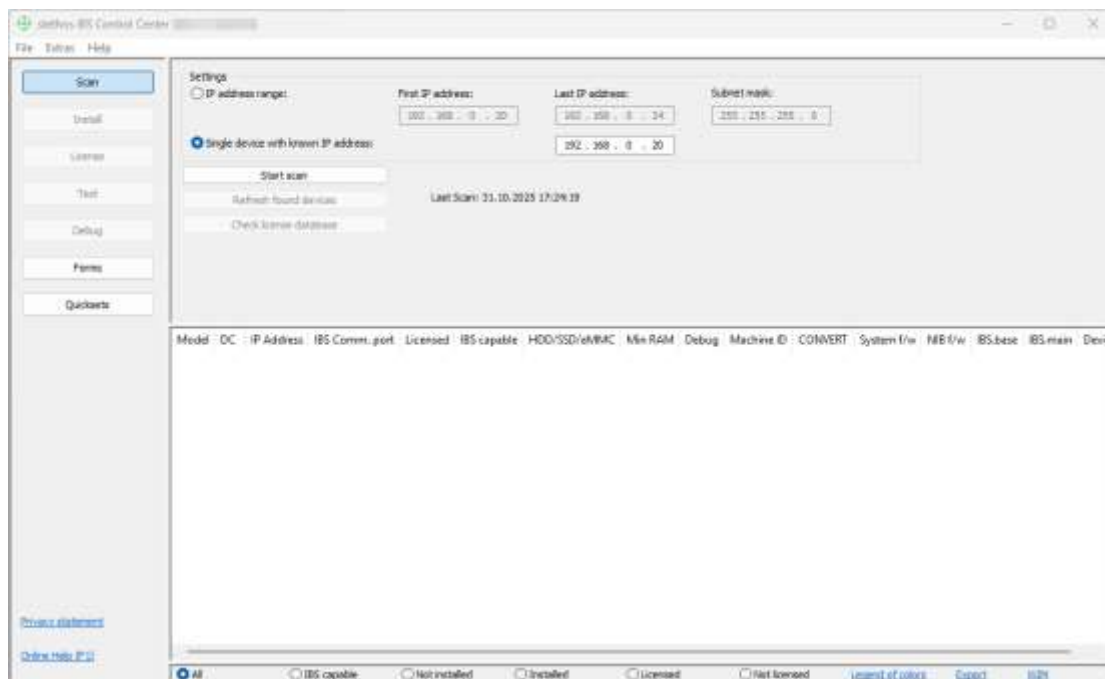
The IBS CC built-in online help requires a permanent internet access. Sometimes the installation is performed from a service notebook without internet access, as the customer might not grant access to the internet. If IBS CC recognizes that no online access is possible then it uses a built-in copy of the online help which might not contain the latest information as this help was bundled at compilation date of IBS CC itself.

Every time IBS CC is launched an update check is performed. If a [newer version](#) is detected it will tell you accordingly and offer you a link where you can download the latest version. There is no need to uninstall and reinstall. The new version will just update an older version by installing on top while preserving all the settings of the previous one.

Usage

The Software always starts in the [Scan](#) Menu.

You can check the software settings or start with scanning the network for IBS capable devices. If you hit the online help key (F1) the help page for the [Scan](#) device(s) screen will be launched. The same happens for every other screen within IBS CC.



Alternatively, you might just follow the menu bar on the left:
Scan, Install, License, Test, Debug. Forms or Quicksets.

First time users should have a look at our [how-to video](#).

If you have any suggestions or need support, please check the [Questions & Answers](#) from our web site first.

If you need support, please contact support@stethos.com or during Central Europe business hours you can use the [Live-Chat](#) from our web site.

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Appendix A: Communication Ports

IBS CC to printer/MFP device:

- TCP Port 443 https (including ipp over https)*
- Optional (recommended for detection of a successful installation): TCP Port 10001
- Optional (only necessary in the case of debugging): TCP Port 9100 (Diprint)

Optional: IBS CC to the Internet TCP Port 443 (https):

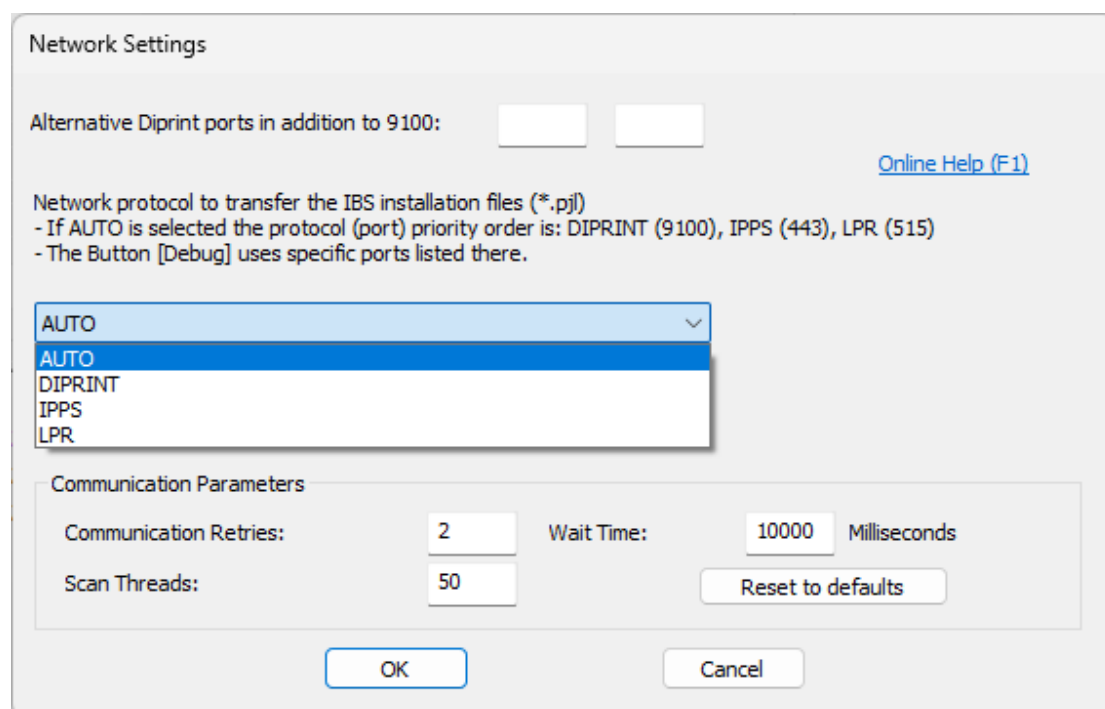
- stethos.com (for Version update check)
- chat.stethos.com (for direct launch of Webchat function)
- ibscclicense.stethos.info (for online licensing capabilities)

The Ports are needed only for installation, licensing and debugging because IBS, once installed in the printer/MFP, works totally server-less.

Notes:

- IBS CC does not use any specific functions which are based on the SMB v1 protocol. So, disabling SMB v1 will not cause any malfunction in IBS CC.
- The IBS installation, licensing and testing can be done on a R.E.D. enabled device (only relevant for the European Union) using only encrypted protocols in between IBS CC and the printer/MFP.

* The TLS version for encryption used is chosen by the local OS. Instead of unauthenticated ipp over https the unencrypted protocols LPR/LPD (Port 515) or Diprint (Port 9100) can be enforced:

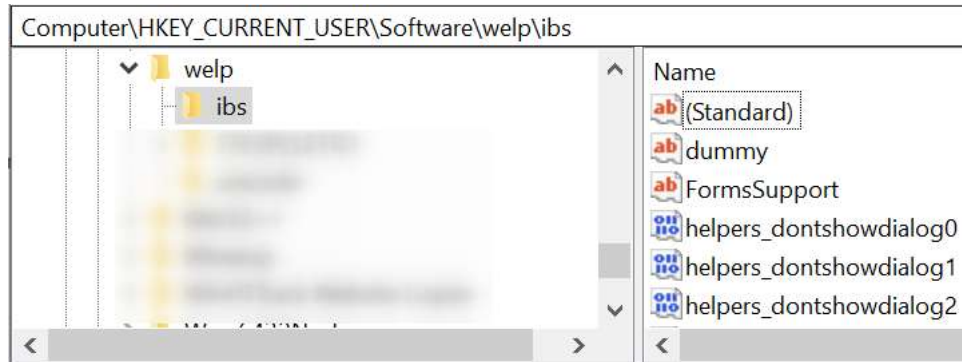


The image shows a 'Network Settings' dialog box. At the top, it has a title bar 'Network Settings'. Below the title bar, there is a section 'Alternative Diprint ports in addition to 9100:' with two empty text input fields. To the right of these fields is a link 'Online Help (F1)'. Below this is a section 'Network protocol to transfer the IBS installation files (*.pjl)' with two bullet points: '- If AUTO is selected the protocol (port) priority order is: DIPRINT (9100), IPPS (443), LPR (515)' and '- The Button [Debug] uses specific ports listed there.' Below the text is a dropdown menu currently showing 'AUTO'. The dropdown menu is open, showing the following options: 'AUTO', 'DIPRINT', 'IPPS', and 'LPR'. Below the dropdown is a section 'Communication Parameters' containing three input fields: 'Communication Retries' with the value '2', 'Wait Time' with the value '10000' and the unit 'Milliseconds', and 'Scan Threads' with the value '50'. To the right of these fields is a button labeled 'Reset to defaults'. At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

Appendix B: Uninstall

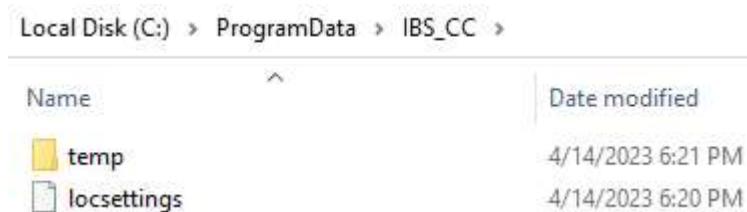
Please use the Windows uninstall features (e.g. Control Panel) to remove IBS CC from your computer.

Even if the software is uninstalled, the program settings are preserved within this Registry HIVE. You have the advantage that you can re-install IBS CC and start with the same settings as before the uninstall:



If you want to fully clean-up your computer you have to follow these two steps after IBS CC has been uninstalled:

- 1) Remove this Registry HIVE using regedit:
Computer\HKEY_CURRENT_USER\Software\welp\ibs
- 2) Delete this file:
C:\ProgramData\IBS_CC\locsettings



Deleting the temp folder from above where the temporary install log files are stored is optional.