

How to install a driver for a SummaCut R(L)



Introduction

This document describes how to install the software necessary to drive the a SummaCut R(L) series roll-cutter.

A **design software** is needed to create a design. Popular design programs are CorelDRAW, Adobe Illustrator, Inkscape, ... Design software is not supplied from Summa.

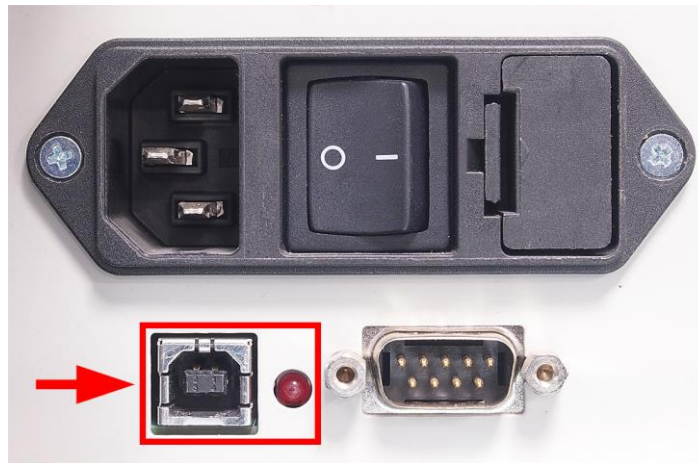
The contours in the job created with one of those design software's need to be sent to the cutter. Before the contours can be sent, the contours need to be converted in commands understood by the cutter (DM/PL commands). This is accomplished by the software **GoSign**. WinPlot then needs to send the commands to the cutter using a communication port. Depending on the communication interfaces available, and/or the interface used to drive the cutter, different **driver software** needs to be installed.

Transferring the job from the design software to the cutting software can be done by means of a **plug-in**.

The firmware revision of the cutter has to be at least at version 37. The firmware may need to be updated to be able to work with GoSign.

Driver software

USB Interface



USB Driver install

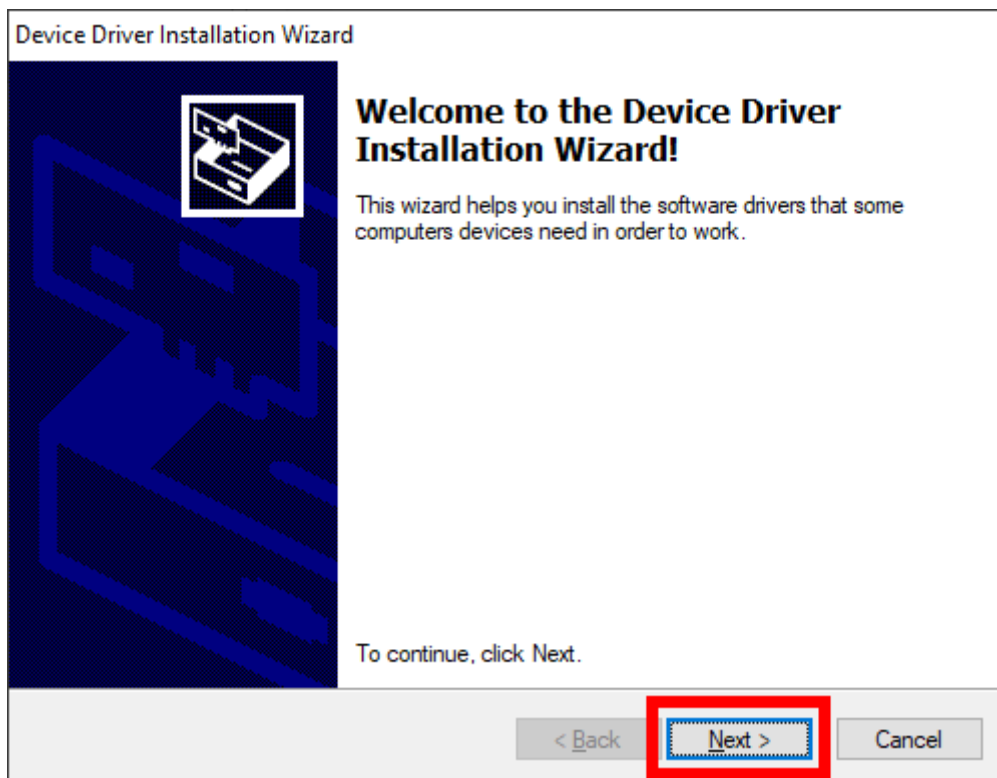
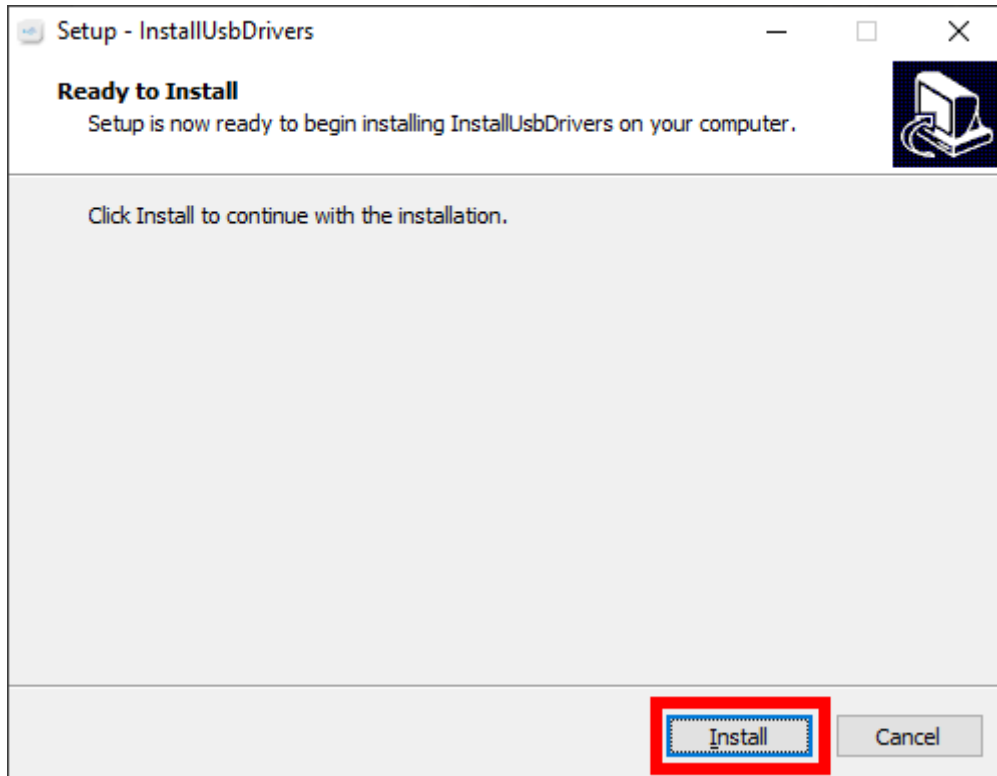
To be able to use the USB interface, a USB driver needs to be installed. This driver is available from the support page of the Summa website:

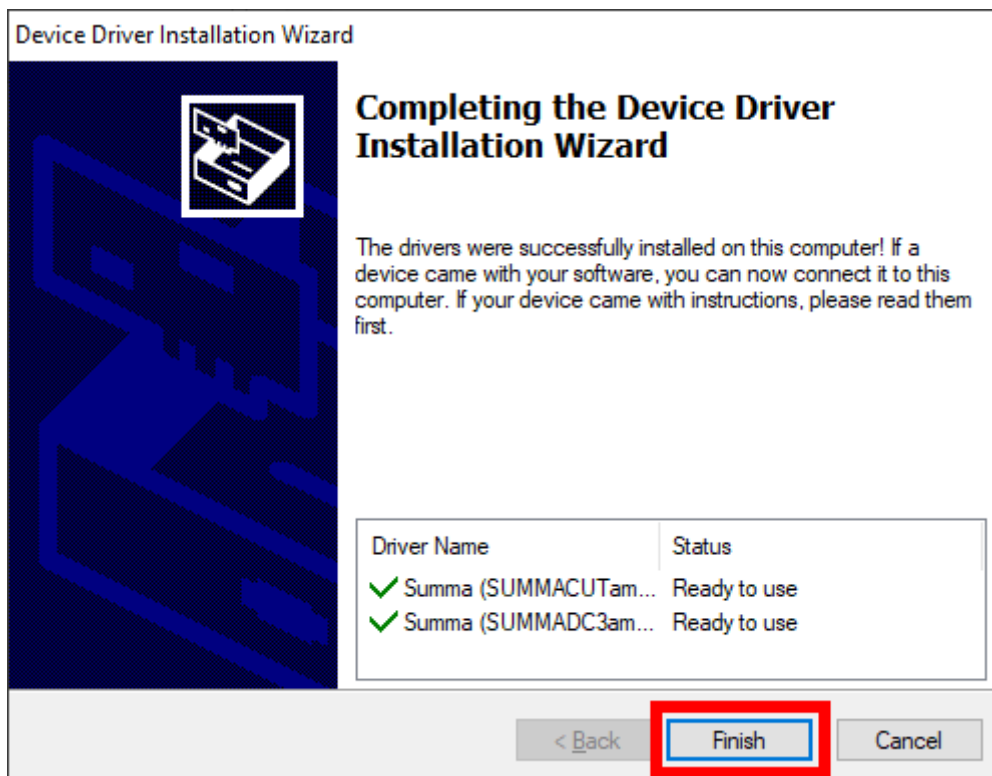
<https://www.summa.com/en/support/software-firmware/>

Vinyl Cutters

USB Drivers	Description	Version	Date
 USB Cutter driver	USB driver for Windows 7, 8, 8.1 & 10	10.0 & 7.0	18-06-2020
 Legacy USB driver	Summa device driver for Windows XP, Vista	6.4	11-01-2016
 OPOS-CAM USB driver	USB Camera driver for Windows 7, 8, 8.1 & 10	1.0.136	08-05-2014

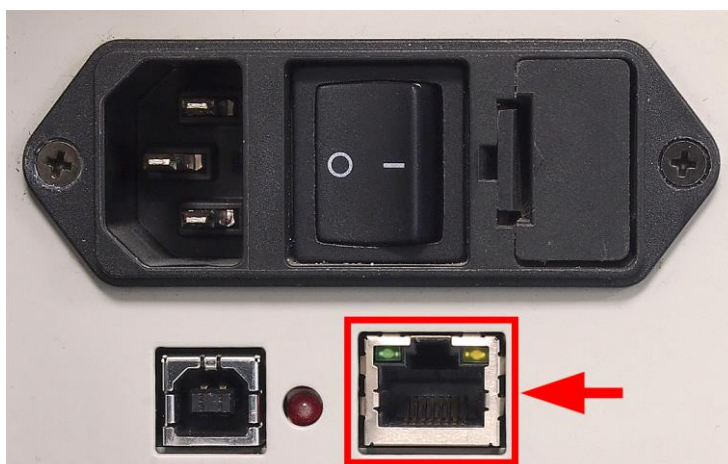
Download the USB driver. Double click on the downloaded driver to start the install process. Follow the install wizard to complete the install.





In the software driving the machine, the communication port used to send the data to the cutter needs to be set to the USB port.

Network Interface



























When the cutter is connected using the network interface, you do not need a driver, you have to set the correct settings in the cutting software.

Network Configuration of the Cutter

It is not necessary to load media in the cutter to change the parameters.

Use the below steps to change the network parameters of the cutter:

- Power on the cutter.

- Press  .
'KNIFE PRESSURE' will appear on the LCD.
- Press  .
'SYSTEM SETUP' will appear on the LCD.
- Press  .
'ACTIONS' will appear on the LCD.
- Press  or  until 'CONFIGURATION' is reached.
- Press  .
'IP CONFIG' will be displayed.
- Press  .
*'*DHCP' or '*STATIC' will be displayed.*
- Press  or  to select between a static IP address or a dynamic IP address. A static IP address is preferred to prevent the IP address of the cutter to change due to the DHCP server lease time settings.
- Press  to confirm the selection. A * will proceed the selection to indicate the preferred method.
- When DHCP was selected, then press  twice to return to set the machine back online.
- Press  to select the IP address.
- Press  to change the IP address. Press  or  to select the digit to change, press  or  to change the digit until the desired IP address is set.
- Press  to select the subnet mask.
- Press  to change the subnet mask. Press  or  to select the digit to change, press  or  to change the digit until the desired subnet mask is set.
- Press  twice to return to set the machine back online.

GoSign




Note: The firmware of the machine has to be at least revision 039 to be able to work with GoSign 2.1. In case the firmware is on a lower level, then an upgrade of the firmware is required.

This program can import PDF, DXF, OXF and SGP files and then send data to the cutter. Most design programs are able to generate files in one of those formats.

We do not work with a 'Windows based printer driver'.

The program *GoSign* can be downloaded from the Summa support website:
<https://www.summa.com/en/support/software-firmware/>

 Summa GoSign	Unleash the full potential of your Summa vinyl cutter with the GoSign. A front-end application with job preparation software and supports: Windows 7 (Professional - Enterprise)/8 (Professional - Enterprise)/ 8.1 (Professional - Enterprise)/10 (Professional - Enterprise) 32-bit & 64-bit With the latest updates and Service Pack It is to be used with Summa cutters SummaCut R (L) - firmware rev 037 or higher and S Class 2 - firmware rev 024 or higher. Discover the Pro Pack with a free 30-day trial by registering during setup. See release notes	2.0	26-10-2020
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This program works as a 'cutter driver', and converts the design created and exported in one of the supported formats in commands understood by the cutter.

The manual with the detailed instruction how to use GoSign can be downloaded from the manuals section of the support page on the Summa website.

Configuration

On first start of GoSign, a dialog box is presented showing the cutters connected to the computer using the USB port, or found on the network the computer is connected to.

Summa GoSign - Device

Name:

Address:


Device family:

Device model:

Device serial number:

Auto detect **Manual input**

Address	Device model	Device serial number
USB 1	?	?
192.168.11.116	?	?
192.168.11.15	?	?
192.168.11.26	?	?

 Please check if the device is online and ready.

For GoSign to be able to query the info needed from the cutter, media needs to be loaded. Load media in the cutter(s), and click the [Search] button.

Summa GoSign - Device

Name:

Address:

Device family:

Device model:

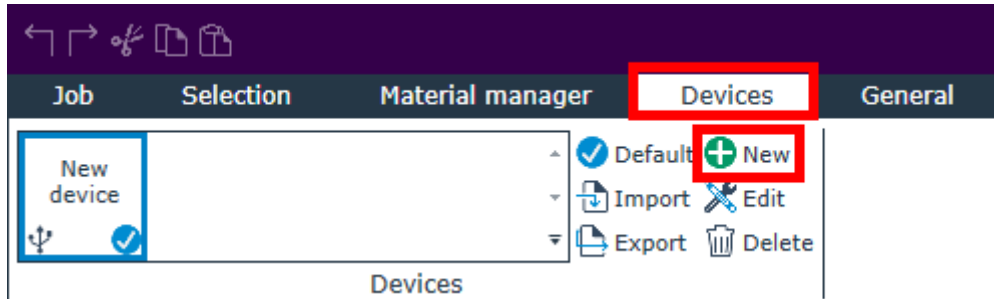
Device serial number:

Auto detect **Manual input**

Address	Device model	Device serial number
USB 1	S2T75	M1200-12001
192.168.11.26	S2T120	M1200-12001
192.168.11.116	?	?
192.168.11.15	?	?

Select from the list of connected cutters the one GoSign has to drive, and click [OK].

To add multiple devices, click the [Device] tab, then click the [New] button. Select the machine from the list, give it a unique name, and confirm.




Repeat this for all machines to be added.

Plug-ins

There exists also a *plug-in* for Corel 12->2020 and Illustrator CC->2021

The *plug-in* can be installed from the software tool Summa GoSign Tools, which is available from the support page on the Summa website.

 Summa GoSign Tools	Software bundle for the Summa cutter series and GoSign including: > CorelDRAW Automation Support (VSTA, VBA), Macro Manager is required - 2020, Illustrator CC and CC 2014-2021	1.0.0	26-10-2020
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These gets rid of the hassle to export a job from the designing software, and importing the job in GoSign.

Close the design software, then click on the [Install] button to have the plug-ins installed for the supported versions of CorelDRAW and/or Adobe Illustrator.

GOTM

SIGN

Looking for installed versions of Adobe Illustrator...

Looking for installed versions of CorelDRAW...

Installing plugin for CorelDRAW version 19 (64 bit)...
Installed successfully.

Installing plugin for CorelDRAW version 21 (64 bit)...
Installed successfully.

Installing plugin for CorelDRAW version 22 (64 bit)...
Installed successfully.


Copyright - Summa nv
Part of Summa GoSuite software 

Ok


Keep in mind not all versions of CorelDRAW support plug-ins: only the Graphics Suite supports plug-ins:

CorelDRAW®

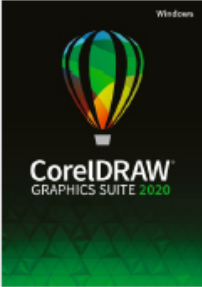
Product Family Comparison



For occasional graphics users and creative consumers



For graphics hobbyists and home businesses



For graphics professionals in small to large businesses

Main Applications			Most Popular
CorelDRAW® 2020	✓* CorelDRAW Essentials 2020	✓* CorelDRAW Standard 2020	✓
Corel PHOTO-PAINT™ 2020		✓* Corel PHOTO-PAINT Standard 2020	✓
Corel Font Manager™ 2020			✓
CAPTURE™			✓
CorelDRAW.app™			✓
Corel AfterShot™ 3 HDR			✓
Key Features & Tools (Highlights)			
Bitmap-to-vector tracing	(✓) Quick Trace (one-click tracing)	✓ PowerTRACE™	✓ PowerTRACE™ (Advanced with AI technology)
Bevel tool, Shadow tool, Spiral, Smooth and Smear tool		✓	✓
Clone Tool, Artistic Media		✓	✓
Alignment guides, Guidelines docker		✓	✓
Symmetry drawing mode, Block Shadow tool, Impact tool, Pointillizer, PhotoCocktail			✓
Object styles, Color styles, Color harmonies			✓
Professional Print options (CMYK features, Composite, Color separations, Postscript, Prepress tabs, large print preview)			✓
Advanced page layout: left & right master pages, custom placeholder text			✓
Enhanced Color management, Color proofing option, spot color support on output			✓
Collaboration tools**			✓
Automation support (VSTA, VBA), Macro Manager			✓

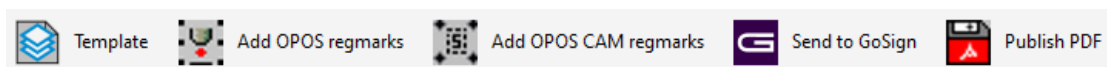
Once the plug-in is installed, the design can be sent to WinPlot from the toolbar (CorelDRAW) or from the File submenu (Adobe Illustrator):

CorelDRAW

Five options are available:

- Create a new design using a template containing the pre-configured layers
- Add OPOS registration marks (squares of 3 mm) around the design
- Add OPOS-CAM registration marks (circles of 5 mm) around the design
- Send the design to GoSign
- Export the design to the AI format

This option can be used when GoSign is not installed on the computer used to create the design.



Adobe Illustrator

Four options are available:

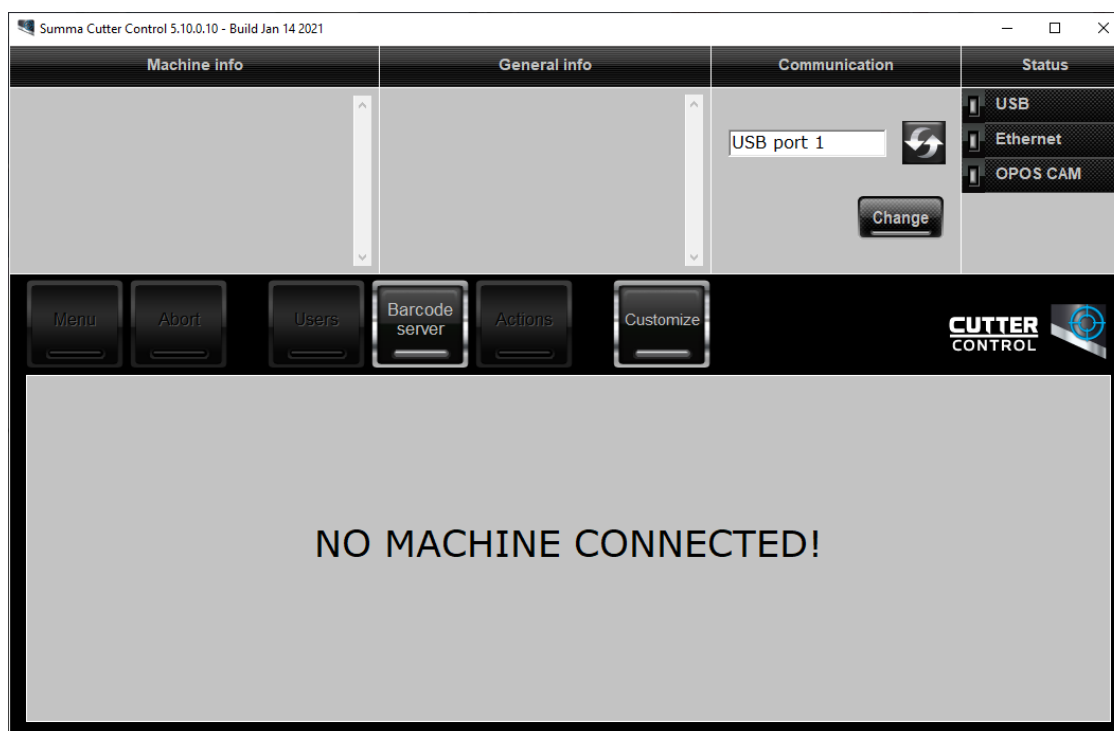
- Create a new design using a template containing the pre-configured layers
- Add OPOS registration marks (squares of 3 mm) around the design
- Add OPOS-CAM registration marks (circles of 5 mm) around the design
- Send the complete design to GoSign

Summa Cutter Control 5

The Summa Cutter Control program basically has the same functions as the control panel.

The program Summa Cutter Control 5 can be used to:

- Control all parameters of the cutter.
- Create and restore a backup containing all configurations of the cutter.
- Perform tests.
- Send files to the cutter.
- Upgrade the firmware of the cutter.
- Work as a barcode server.

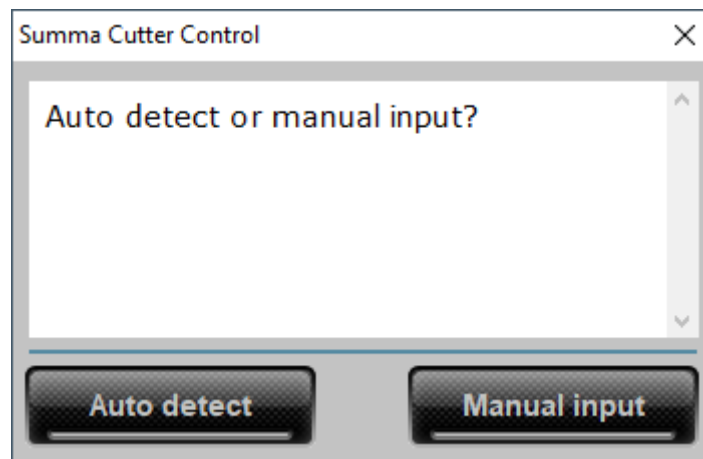


Before the program can be used, the communication interface needs to be selected and configured to match the connection type (USB or Network).

Click on [Change] in the 'Communication' pane to select the communication interface.



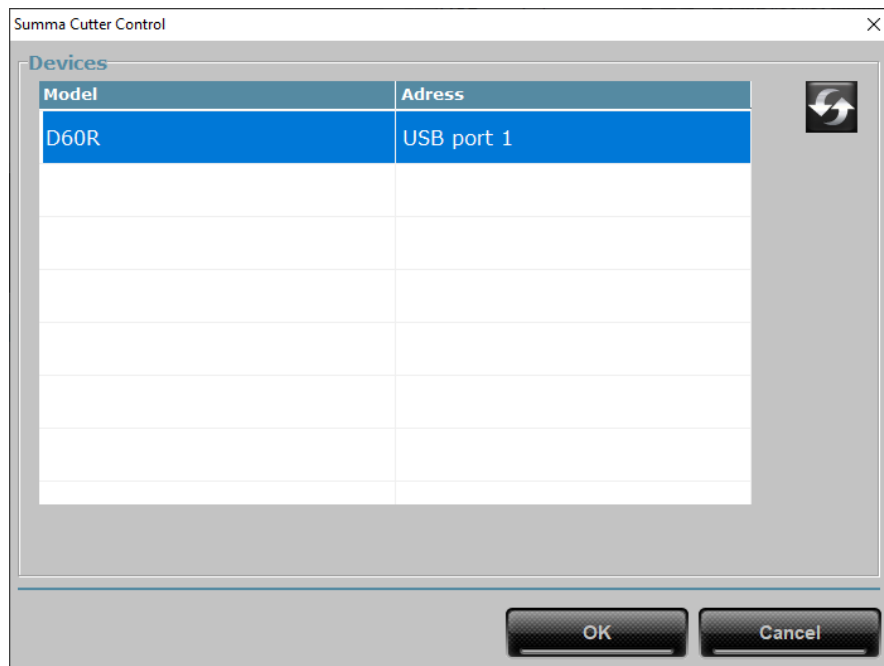
Then click on [Auto] to get a list of connected cutters to the computer or on the network, or click [Manual] to enter the IP address of the cutter.



Enter the IP address of the cutter.



Or select the cutter from the list.



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