

'unified, multi-model driver and configuration suite'

# *m***Collection** Printer Software Installation Manual

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## Notice

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# 1. Software Overview

mCollection printer software package contains the Windows printer driver and a printer utility. To use the software package, follow the procedure given in chapter 3, "Installation," and then turn the printer on.

larget model and th	Inware versions
Target Model	Printer F/W
MCP21/20 (mC-Print2)	Ver 1.0 or later
MCP31 (mC-Print3)	Ver 1.0 or later
POP10 (mPOP)	Ver 1.0 or later

## **Target Model and Firmware Versions**

## **1.1 Windows Printer Driver**

The Windows printer driver is used when files are printed from Windows applications.



Install the mCollection Printer Software, and then connect a printer with a USB interface to the PC. The Plug and Play feature will enable the Windows printer driver automatically.

To use the Windows printer driver when you are connecting to the printer through an interface other than USB, install the driver from the Windows Printer Queue Management window of the printer utility.

When using the printer through the Windows printer driver, you can set options such as the paper type, paper cut type, and logo print method by clicking Properties in the Windows Printer Queue Management window of the printer utility.

For details about the printer driver, see the printer driver help.

Star / Help

OK Cancel Apply

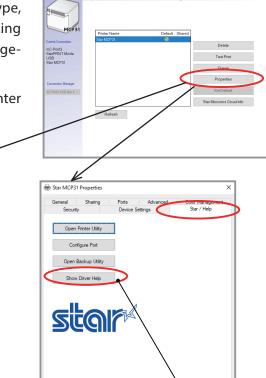
Star MCP31 Properties

Star MCP31 Device Settings Form To Tray Assignment FRICTION: 72mm x Receipt Installable Options

Print Mode: Raster

Density: <u>St</u> Details Caling Baper Cut WVLogo

Paper Type: <u>Receipt</u> Print Setting Speed: High



Starting the Printer Driver Help



## 1.2 Printer Utility

The printer utility is used to connect to the printer and to set various options.

It can be used in conjunction with the Windows printer driver, OPOS driver, and in numerous other environments.

The printer utility is used over a specific "Connection" ("Connection" has specific properties the connection method).

For details on how to configure connections and on the utility functions, see the printer utility help.

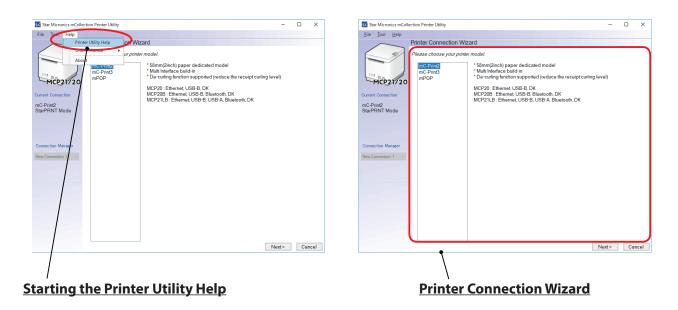
#### **Starting the Printer Utility** 1.2.1

① On the Windows taskbar, click 'Start', and then click 'All Programs' > 'Star Micronics' > 'Printer Software for mCollection' > 'Printer Utility mCollection'.

Windows7	🛟 Windows8 / 8.1	Windows10
StarMicronics Printer Software for mCollection Printer Utility mCollection Star Bluetooth Utility for mCollec Uninstall Printer Software mColle USB SerialNumber Setting Utility	StarMicronics Printer Utility mCollection Star Bluetooth Utility for mCollec	S StarMicronics New Printer Utility mCollection Star Bluetooth Utility for mCollecti New
▲ Back	Uninstall Printer Software mColl	😳 Uninstall Printer Software mCollect
Search programs and files	USB SerialNumber Setting Utility	USB SerialNumber Setting Utility f

- (2) The 'User Account Control' dialog appeards. Click 'Yes'.
- (3) The printer utility window opens.

When you start the printer utility for the first time, the 'Printer Connection Wizard' appears. Please choose the interface to create a connection. You will be able to use the printer utility functions through the connection that you created.





## 1.2.2 Printer Utility Functions

## Utility Functions

Click a link in the list of utility functions to display the properties of the corresponding function. The printer utility is used over a specific connection (each connection has specific properties such as the connection method).

🚮 Star Micronics mCol	lection Printer Utility —	×
<u>F</u> ile <u>T</u> ool <u>H</u> elp		
$\sim$	Utility Functions	
	Windows Printer Queue Management	^
	This function will allow for the installing and management of printer queues for the windows printer spool system.	
	Star Micronics Cloud	
MCP31	Enable retailers to engage with customer more effectively.	
MePSI	Printer Settings	
Current Connection	Use this function to configure your printer's settings and fine tune its operation.	
mC-Print3	Barcode Reader Settings	
StarPRNT Mode USB Star MCP31	Use this function to configure your barcode reader's settings and fine tune its operation.	
Star WCP51	Troubleshooting	
Check Change	Use this function to check and troubleshoot your printer by sending it a variety of diagnostic print patterns.	
Connection Manager	OPOS	
mC-Print3-USB:Star N 🗸	This function allows you to register and configure OPOS POSPrinter, CashDrawer, Scanner and LineDisplay devices.	
Rename	Logo Store	
Delete Create New	Use this to store your logos and images into the printer. This is often useful in terms of deployment and also in terms of print speed.	
	Firmware Update	
	Use this functin to update your pinter's firmware.	
	Now available for FREE	
		÷.

## Windows Printer Queue Management

Windows Printer Queue Management can be used to create and manage the printer queues of the Windows print spooler system.

To use the printer driver when you are connecting to the printer through an interface other than USB, install the Windows printer driver from this function.

💰 Sta	ar Micro	nics mCol	lection P	rinter Utility									-		×
Eile	Iool	Help			<u>s &gt;</u> Wi	indows	Printer	Queue Ma	nageme	nt					
Current	Connec	1CP31		Printer N Star MCP				Default	Shared			Delete			
USB	rint3 RNT N ACP31	lode										TestPr	int		
	ction Ma	nager Star N →										Properti Set Defa			
				Refr	ash	_					Star M	licronics	Cloud Info	)	
						J									

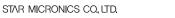
## Star Micronics Cloud

Register the device (mCollection printer queue or OPOS POSPrinter device) using your registered Star Micronics Cloud account.

Once you have registered the device, you can use the service of uploading print data to the cloud server and manage the registered device from the Star Micronics Cloud dashboard.

To use this function with mCollection printer qeueu, set the print mode to "Raster" from the Printer properties in the printer driver.

Eile Tool Help	lection Printer Utility	-	×
File Tool Helb	Utility Functions > Star Micronics Cloud		
MCP31	Learn about Star Micronics Cloud Here Please register a Star Micronics Cloud account prior to login. Account Enter your Star Micronics Cloud account: Username(Email) and Password.		
Current Connection	Printer Name Star MCP31 ✓		
mC-Print3 StarPRNT Mode USB	Username (Email) Password		
Star MCP31	Password		
Connection Manager	Register Device Connect to Dashboard		
mC-Print3-USB:Star N $\sim$	Offline		
	Charler: Device Name : DeviceID : (DeviceID is system generated.) Reload		
	Service		
	Print Data Upload     QR Code Print Size     Medium		
	Micro Receipt Disable V Advanced Settings (WritePrinter API)		



## Printer Settings

You can change the printer settings (memory switch settings) according to your needs.

#### What are memory switches ?

You can configure the basic settings of a printer and store them in memory switches on the printer.

🔣 Star Micronics mColle	ction Printer Utility	- 0	×
<u>File I</u> ool <u>H</u> elp			
	Utility Functions > Printer Settings		
	Category All	* : Default Option	
	ASB (Bluetooth)	Disable *	• ^
MCP31	ASB (LAN)	Enable *	•
Current Connection	ASB (USB Type-A)	Enable *	•
mC-Print3 StarPRNT Mode USB	ASB (USB Type-B)	Enable *	•
Star MCP31	Asian Character (DBCS)	Single-Byte Character Set (SBCS) *	•
	Block Print Start Timing (Trigger)	Detect Page End (All I/F) *	•
Connection Manager mC-Print3-USB:Star N ~	Character Size	12 dots (Japanese)/ 13 dots (others/DBCS). 12 d	c •
	Character Size (Kanji)	26dots *	Ŧ
	Code Page	Normal *	•
	Compression (Barcode)	Compress *	•
	File Operations		
	Export Import		
	Printer Operations		
	Reset Defaults Print Settings	Store Reload	

## Barcode Reader Settings

You can change the barcode reader settings according to your needs. (MCP20 do not support.)

🚮 Sta	r Micro	nics mCol	llection Printer Utility	-		×						
Eile	Tool	<u>H</u> elp										
	~	_	Utility Functions > Barcode Reader Settings									
		7	Category All ~									
3			Power on Music			^						
F	M	CP31	Good read Beep 🗹									
Current	Connect	ion	Reject Same									
	rint3 RNT M	ode	Scan Mode Standard V									
USB Star N	USB Star MCP31	Beep Volume Middle Level V										
			Beep Tone Middle Tone V									
	ction Ma	-	Beep Time 100 mSec v									
mC-Prin	nt3-USB:	Star N 🖂	UPC-A									
			Permission of Reading									
			Add-On None ~									
			UPC-E									
			Permission of Reading			~						
			File Operations									
			Export Import									
			Barcode reader Operations									
			Reset Defaults Store	Reload								

#### Troubleshooting

You can check the operations of various printer functions.

Elei       Joint July Functions > Troubleshooting         Image: Star MCP31       Image: Star MCP31         Corrector Mangar       Image: Star MCP31         Image: Star MCP31       Image: Star MCP31
Current Connector     Peripherals       Current Connector     Baser 1       Baser 2     Baser 1       Baser 3     Baser 1       Baser 4     Peripherals



## + OPOS

You can store, configure, and perform similar tasks for OPOS POS printer devices cash drawer devices, scanner devices (Barcode Reader) and line display device (Customer Display).

Star Micronics mColl	ection Printer Utility		-		×
<u>F</u> ile <u>T</u> ool <u>H</u> elp					
$\sim$	Utility Functions > OPOS				
MCP31	Please uncheck the setting of the printer driver "E POSPrinter Control Object Failed to get POSPrinter CO infol Service Object Failed to get POSPrinter SO infol	nable bidirectional support" for	using OPOS Drive	r.	^
		Test			
Current Connection mC-Print3		Configure			
StarPRNT Mode		Add new			
Star MCP31		Delete			
		See all registered devices			
Connection Manager mC-Print3-USB:Star N V	CashDrawer Control Object Falled to get CashDrawer C0 infol Service Object Falled to get CashDrawer S0 infol				
		Test			
		Configure			
		Add new			
		Delete			
		See all registered devices			
	Scanner Control Object				
	Failed to get Scanner CO info!				
	Service Object Falled to get ScannerSO info!				
	Taled to get Scattler SO titl()	Tost			~

#### Logo Store

You can store logos (image data) in the printer's memory.

By storing logo and other image data that is printed frequently, you can expect increased print throughput, because there is no need to send the data every time you print.

🔣 Star Micronics mColl	ection Printer Utility				-		×
<u>F</u> ile <u>T</u> ool <u>H</u> elp							
$\frown$							
	Tool         Help           Utility Functions > Logo Store         Computer > Printer Logo Images           Computer > Printer Logo Images         Add           MCP31         R Connection           PRNT Mode         Images						
				Size [KB] Add Delete Eqot Eqot Eqot Eqot Edt Test Piret Delete Test Piret Delete Printer Memory Cear Al Space Vaed: O (KB) Space Vaed: Total Space: 512 (KB)			
MCP31				Export	Preview d d d d d d d d d d d d d d d d d d d		
Current Connection							
mC-Print3				import	Ec	it	
StarPRNT Mode					Test	Print	
USB Star MCP31							
Star MOP 31							
Conservative Manager							
	Store Log	08	Space Remaining	512 [KE	3]		
mC-Print3-USB:Star N 🗸	Printer Logo Mer	nory					_
	Key Code	Size [KB]	Test Print				
			Delete				
			Test Print All	Printe	er Memory		
			Clear Al	Space	Used:		
			00070			C	[KB]
			Reload		-	512	[KB]
				Total	Space:	512	IVDI
						512	[ND]

## • Firmware Update

You can update your printer firmware via cloud or local file.

Star Micronics mColle	ection Printer Utility			-	
<u>F</u> ile <u>T</u> ool <u>H</u> elp					
	Utility Functions > Firmwa	are Update			
	Select Firmware File Get From Cloud	Open Local File			
MCP31	Printer Operation				
Current Connection	Update				
mC-Print3 StarPRNT Mode USB Star MCP31					
Connection Manager					
mC-Print3-USB:Star N 💛					



# 2. Operating Environment

## 2.1 Operating System

This software supports the following operating systems.

- Microsoft Windows 7 32bit/64bit
- Microsoft Windows 8\* 32bit/64bit (except Windows RT)
- Microsoft Windows 8.1\* 32bit/64bit (except Windows RT)
- Microsoft Windows 10\* 32-bit and 64-bit (except Windows 10 Mobile and Windows 10 IoT Core)

\*Limitation for Windows 8 / 8.1/ 10

- Star original Printer Driver Function (e.g. Logo Setting) can not be changed from "Windows UI (Modern UI)". However, once the setting of its function is changed from "Desktop UI", these function can be used on "Windows UI (Modern UI)" as well.
- $\cdot\,$  USB Printer will not be appeared in [Device and Printer] if its power is off.
- $\cdot$  Error status (e.g. Paper empty during printing) will not be shown in "Windows UI (Modern UI)".



## 2.2 Supported Functions (Interface)

The following tables indicate the utility functions that you can use for each combination of the different interfaces models. One table is given for each model.

mC-Print2	USB I/F Printer Class	Bluetooth I/F	Ethernet I/F
Printer Utility	0	0	0
Windows Printer Queue Management	0	0	0
Star Micronics Cloud	0	0	0
Printer Settings	0	0	0
Barcode Reader Settings	0*	0*	0*
Troubleshooting	0	0	0
OPOS	0	0	0
Logo Store	0	0	0
Firmware Update	0	0	0

•	mC-Print2,	mC-Print3	Series
---	------------	-----------	--------

mC-Print3	USB I/F Printer Class	Bluetooth I/F	Ethernet I/F
Printer Utility	0	0	0
Windows Printer Queue Management	0	0	0
Star Micronics Cloud	0	0	0
Printer Settings	0	0	0
Barcode Reader Settings	0	0	0
Troubleshooting	0	0	0
OPOS	0	0	0
Logo Store	0	0	0
Firmware Update	0	0	0

\* MCP21LB only

## Table of supported interfaces

The below table shows interfaces each model supports.

	USB I/F	Bluetooth I/F	Ethernet I/F
MCP20	0	-	0
MCP21LB	0	0	0
MCP31L	0	-	0
MCP31LB	0	0	0

#### mPOP

mPOP	USB I/F Printer Class	Bluetooth I/F
Printer Utility	0	0
Windows Printer Queue Management	0	0
Star Micronics Cloud	0	0
Printer Settings	0	0
Barcode Reader Settings	0	0
Troubleshooting	0	0
OPOS	0	0
Logo Store	0	0
Firmware Update	0	0



# 3. Installation

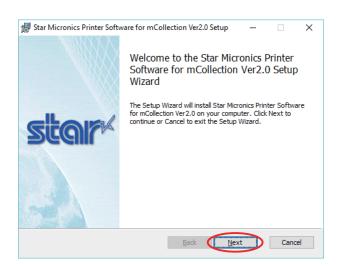
## Important:

Administrator privilege is required to run the installation.

Follow the instructions below to install the software.

**Note:** If you are connecting to the printer by USB, carry out the instructions in chapter 3, "Installation," and then turn the printer on.

- ① Download "starprnt\_mCollection\_v\*.\*\_setup\_32/64bit.zip" file from Star's website and save it.
- ② Unzip the zip file, and execute "setup.exe" in the root folder.
- ③ Follow the instructions from ④ to complete the installation.
- ④ The 'User Account Control' dialog appeards. Click 'Yes'.
- ⑤ Click 'Next'.





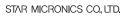
<sup>(6)</sup> The End-User License Agreement, an agreement for installing the software, appears. Read the agreement. If you agree with the terms, select the 'I accept the terms in the License Agreement' check box, and then click 'Next'.

🔀 Star Micronics Printer Software for mCollection Ver2.0 Setup	-		×
End-User License Agreement Please read the following license agreement carefully	s	9	r
Software License Agreement			^
This Agreement made and entered into by and between you and Star Micronics Co., Ltd. (hereinafter referred to as "Star") stipulates the terms and conditions pertaining to the licensing of the software. Please read this Software License Agreement ("Agreement") carefully before installing or using the software and accompanying data (hereinafter referred to as "the			
Q gccept the terms in the License Agreement			
Back Next		Cano	el

⑦ Choose the setup type.

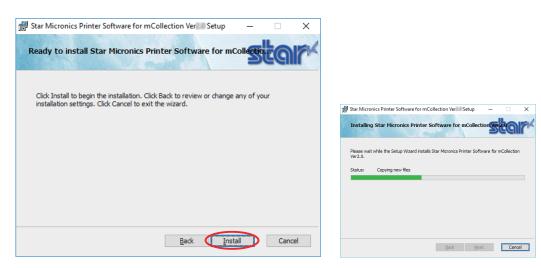
Click 'Typical' to install the all program features. Always select this option unless you have a specific reason. Click 'Custom' to install only the program features that you will need.

Star Micronics Printer Software for mCollection Ver2.0 Setup	_		×
Choose Setup Type Choose the setup type that best suits your needs	5	ta	r
Iypical All program features and printer drivers will be installed. most users.	Recommer	nded for	
<u>C</u> ustom Allows users to choose which program features will be ins they will be installed, Recommended for advanced users.		l where	
<u>B</u> ack Me	xt	Can	cel

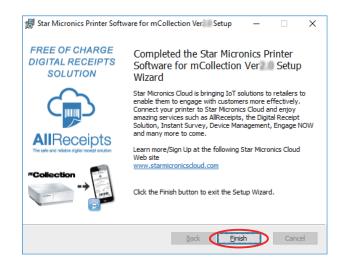




(8) Click 'Install' to start the installation.



③ When the software installation completes, the following window appears. Click 'Finish' to close the wizard.





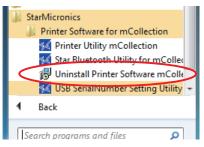
# 4. Uninstallation

Follow the procedure below to uninstall the software.

① Turn the printer power switch off.

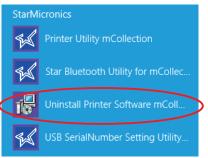
## ② In Windows7

On the Windows taskbar, click 'Start', and then click 'All Programs' > 'Star Micronics' > 'Printer Software for mCollection' > 'Uninstall Printer Software mCollection'.



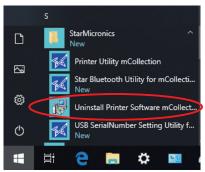
## http://www.weighted.com/weighte

On the Apps, select [Star Micronics]-[Uninstall Printer Software mCollection].



## In Windows10

On the Windows taskbar, click 'Start', and then click 'All Apps' > 'Star Micronics' > 'Uninstall Printer Software mCollection'.



③ The 'User Account Control' dialog appeards. Click or 'Yes'.

④ The following window appears. To continue, click 'Yes'.

Windows Installer	$\times$
Are you sure you want to uninstall this product?	
<u>Y</u> es <u>N</u> ₀	



⑤ If the following confirmation dialog box appears, select the 'Do not close applications' option, and then click 'OK'.

Star Micronics Printer Software for mCollection Ver2.0	×
The following applications should be closed before continuing the install:	
Print Spooler	
Automatically close applications and attempt to restart them after setup is complete.      Or not close applications. (A Reboot may be required.)      Or Cancel	

(6) If the following confirmation window appears, click 'OK'.

ſ	Star Micronics Printer Software	x
	The setup must update files or services that cannot be updated while the system is running. If you choose to continue, a reboot will be required to complete the setup.	
	Cancel	

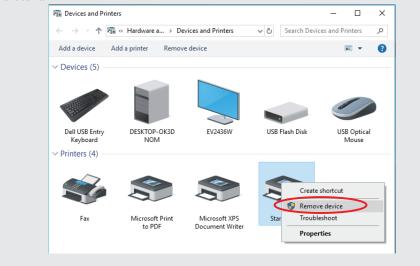
⑦ The uninstallation program starts and removes all the relevant software components.

Star Micronics Printer Software for mCollection Ver2.0	
Please wait while Windows configures Star Micronic for mCollection Ver2.0	s Printer Software
	Cancel

## Note

After uninstalling the printer utility, the printer queue icon may remain in "Control Panel"-"Devices and Printers".

To delete it, right-click the printer queue icon and choose "Remove device" from the pull-down menu to delete it.





# 5. Revision History

Rev. No.	Date of Revision	Changes
Rev. 1.0	June. 2018	First edition.



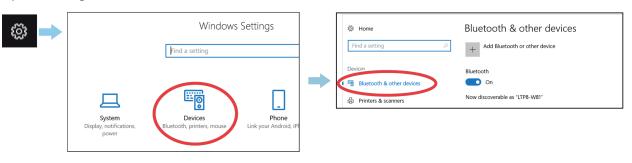
## StarPRNT Intelligence

# Appendix 1. Pairing with Bluetooth in Windows

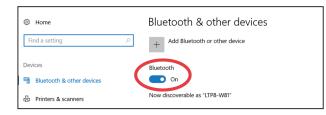
Follow the appropriate procedure.

## ♣ In Windows 10

1. Open [Settings], select [Devices] - [Bluetooth & other devices].



## 2. Turn Bluetooth On.



3. Select [Printers & scanners] - [Add a printer or scanner].

Select the Bluetooth device name, and click or tap [Add a device].

If the Bluetooth device name was changed, then select the device name that it was changed to.

1	Home	Printers & scanners Add printers & scanners		Home       Find a setting     P	Printers & scanners Add printers & scanners
	Devices	+ Add a printer or scanner	-	Devices Bluetooth & other devices C Printers & scanners	C Refresh Printer Printer
	Bluetooth & other devices Printers & scanners Mouse	Printers & scanners		0 Mouse	Add device

**Checking the printer's Bluetooth address** The Bluetooth address is listed on the test print sheet. Please refer to the separate manual "On-line Manual" for the test printing method.

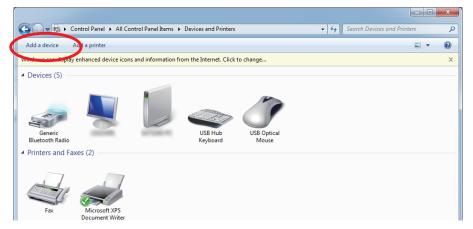
4. When the device appears in "Printers & Scanners", pairing is completed.

Home       Find a setting     P	Printers & scanners Add printers & scanners
Devices	+ Add a printer or scanner
Bluetooth & other devices	
日 Printers & scanners	Printers & scanners
() Mouse	



## \*\* In Windows 7 / 8 / 8.1

1. On the Control Panel, click "Devices and Printers". And click "Add a Device".

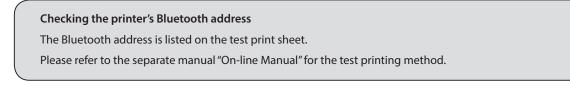


2. When the Pair with a wireless device window is displayed, set up the printer as instructed on the screen\*, and then click [Next].

\* See the "On-line Manual" for more information on operating the printer.

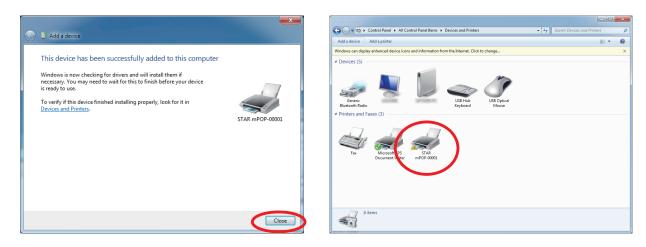
3. Select the Bluetooth device you want to add from the list of devices displayed, and then click [Next]. If multiple Bluetooth devices are found, you can right-click the printer, select [Properties], and then check the Bluetooth address to specify the printer you want to pair.

	STAR mPOP-00001 Properties
G I Add a device	Services Bluetooth
Select a device to add to this computer         Windows will continue to look for new devices and display them here.         STAR mPOP-         STAR mPOP-         Bluetooth       Printer         Bluetooth       Bluetooth         Printer       Bluetooth         Desktop computer       STAR mPOP-         Bluetooth       Printer         Bluetooth       Printer         Bluetooth       Bluetooth         Printer       STAR mPOP-         Bluetooth       Bluetooth         Bluetooth       Bluetooth	STAR mPOP-00001         Device Information         Manufacturer:       Unavailable         Model:       Unavailable         Model number:       Unavailable         Categories:       Printer         Transport:       Bluetooth         Webpage:       Unavailable         Troubleshooting Information       Connection:         Standard       Last connected:         Last connected:       Unavailable         Serial number:       Unavailable         MAC address:       Unavailable         Unique identifier:       IP address:         UP address:       Unavailable





4. When pairing is complete, the printer is added to the Printers and Devices screen.



5. To check the virtual COM port assigned by pairing the Bluetooth device, go to the Devices and Printers screen, and then check the "Hardware" tab in Properties for the device that was added.

		×
🕒 🔵 🗟 🕨 Control Panel 🕨 All Control Panel Items 🕨 Devices and Printers	<ul> <li>Search Devices and Printers</li> </ul>	٩
Add a device Add a printer Troubleshoot Remove device	<b>E</b> •	0
Windows can display enhanced device icons and information from the Internet. Click to change		x
Devices (5)     Second Data     Face     Fa		
STAR mPOP-00001 Category: Piveer Status: Needs toublehoosing		

STAR mPOP-00001 Properties	×					
General Hardware Sirvices Bluetooth						
STAR mPOP-00001						
Device Functions:						
Name	Туре					
Bluetooth Peripheral Device	Other devices					
™∰ Standard Serial over Bluetooth link (COM3)	Ports (COM					
Device Function Summary						
Manufacturer: Unknown						
Location: on Microsoft Bluetooth Enumerator						
Device status: The drivers for this device are not installed. (Code 28) Properties						
				OK Cancel Apply		



