

# SAP Business One 10.0 Zebra DS2278 Scanner für die Benutzung als Virtual Keyboard einstellen

## SBO10100

Diese Konfiguration benötigt die Zebra Applikation 123Scan

[▶ Jetzt kostenlose Online-Demo starten](#)



# Konfiguration anlegen

App [123Scan](#) von Zebra herunterladen, installieren und danach ausführen.

In 123Scan die Konfiguration mit dem Wizard beginnen:

The screenshot displays the 123Scan application interface, which is used for configuring a Zebra scanner. The interface is divided into several sections:

- Left Panel (Start):** Contains a sidebar with the following options:
  - What do you want to do?
    - Create new configuration file (highlighted with a yellow box)
    - Load existing configuration file
    - Clone/Migrate configuration
    - Update scanner firmware
  - Recent files: A table with columns Type, Model, Name, Ver., and Date modified.
  - More Files...
- Main Panel (Start):** Displays the configuration wizard steps:
  - Step 1: "Select an option to start creating a configuration file". Two options are shown:
    - My scanner is connected via USB cable (highlighted with a yellow box)
    - My scanner is NOT connected
  - Step 2: "Select your scanner model from the options below:". It includes a "Refresh list" button and a list of scanner models. The selected model is "DS2278-STANDARD SR MODELS + CRADLE". Below this, a "Select a Plug-in" dropdown menu is shown, with "Release 034 - 2021.10.26 (SAADFS01-003-R00)" selected (highlighted with a yellow box).
- Bottom Panel:** Shows the "123Scan Updater" status, indicating "Downloading Plug-Ins" at 0% completion.

# Schritt: Name and notes

Start

Data view

Untitled1

Actions

Save file to PC


Print bar code

Load to scanner

Email Bar Code to Phone

Print/Save parameters

How to video



Model List

Plug-in Name

Release Notes

App Developer Report

DS2278-STANDARD SR

MODELS + CRADLE-037

1. Name and notes

Name: Untitled1

Notes:

2. Cable connection

USB (default)

IBM-RS485

Keyboard Wedge

3. Symbolologies (bar code types)

Factory default settings

4. Modify Data

Custom settings

5. Wireless - Bluetooth

Factory default settings

6. Imaging

Factory default settings

7. General

Factory default settings

8. Printing Options

9. Load and print

Parameters changed from factory default

Name and notes

Please be sure to give your settings a configuration name. You can also add notes and give the configuration name a version number.

Configuration Name:

[What is this?](#)

16 character limit

Notes:

500 of 500 characters remaining

< Back

Next >

Done

Cancel

Einstellungen übernehmen

# Schritt: Scanner-Verbindung

Start

Data view

Virtual Keyboard

Actions

Save file to PC


Print bar code

Load to scanner

Email Bar Code to Phone

Print/Save parameters

How to video



Model List

Plug-in Name

Release Notes

App Developer Report

DS2278-STANDARD SR  
MODELS + CRADLE-037

1. Name and notes

Name: Virtual Keyboard

Notes:

2. Cable connection

USB (default)

IBM-RS485

Keyboard Wedge

3. Symbolologies (bar code types)

Factory default settings

4. Modify Data

Custom settings

5. Wireless - Bluetooth

Factory default settings

6. Imaging

Factory default settings

7. General

Factory default settings

8. Printing Options

9. Load and print

Parameters changed from factory default

What cable are you using to connect your scanner?

Your scanner is already set up to communicate to your host using the most common communication protocols. You can use the tab(s) below to setup / modify up to 4 cable types (communication protocols) on your scanner.

USB

IBM-RS485

Keyboard Wedge

+ add cable

Basic Settings

USB Device Type

HID Keyboard Emulation

Ignore Unknown Characters

Send Barcodes with Unknown Characters

IBM Handheld / Tabletop / OPOS Options

SNAPI Options

HID Keyboard Options

CDC Options

Einstellungen übernehmen

< Back

Next >

Done


Cancel

Search for a parameter...

# Schritt: Barcode-Einstellungen

Start | Data view | Virtual Keyboard

Actions | Save file to PC | Print bar code | Load to scanner | Email Bar Code to Phone | Print/Save parameters | How to video



Model List  
Plug-in Name  
Release Notes  
App Developer Report

DS2278-STANDARD SR  
MODELS + CRADLE-037

1. Name and notes  
Name: Virtual Keyboard  
Notes:

2. Cable connection  
USB (default)  
IBM-RS485  
Keyboard Wedge

3. Symbolologies (bar code types)  
Factory default settings

4. Modify Data ^  
Custom settings

5. Wireless - Bluetooth  
Factory default settings

6. Imaging  
Factory default settings

7. General  
Factory default settings

8. Printing Options

9. Load and print

^ Parameters changed from factory default

Change your bar code settings

[Disable all symbolologies](#) | [Print sample bar codes](#)

Your scanner is already set up to recognize the most common types of bar codes. To modify your decoding options, select a symbology (bar code type) from the drop-down below.

Select symbology (bar code type) to modify

< Back | **Next >** | Done | Cancel

Search for a parameter...

Einstellungen übernehmen

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# Schritt: Datenbearbeitung

Start

Data view

Virtual Keyboard

Actions

Save file to PC


Print bar code

Load to scanner

Email Bar Code to Phone

Print/Save parameters

How to video



Model List  
Plug-in Name  
Release Notes  
App Developer Report

DS2278-STANDARD SR  
MODEL S + CRADLE-037

1. Name and notes  
Name: Virtual Keyboard  
Notes:

2. Cable connection  
USB (default)  
IBM-RS485  
Keyboard Wedge

3. Symbolologies (bar code types)  
Factory default settings

4. Modify Data ^  
Custom settings

5. Wireless - Bluetooth  
Factory default settings

6. Imaging  
Factory default settings

7. General  
Factory default settings

8. Printing Options

9. Load and print

^ Parameters changed from factory default

### Modify Data

If required, create a data formatting rule to modify scanned data before its transmission to the host.

☐ Send data as scanned, don't append any keystrokes. (Factory Default).

☐ Append an enter key: Adds an Enter key to the end of scanned data.

☐ Append a tab key: Adds a Tab key to the end of scanned data.

☒ Program complex data modifications or select a rule from your Data Formatting Library. ^

☒ Basic

[View / Edit](#)

Prefix / Suffix Simple Formatting

☐ Advanced

ADP - Advanced Data Formatting (Scan one bar code)

✓ Rule present

< Back

Next >

Done

Cancel

Search for a parameter...

View / Edit selektieren

# Schritt: Datenbearbeitung – Prefix und Suffix setzen

Start

Data view

Virtual Keyboard

Actions

Save file to PC


Print bar code

Load to scanner

Email Bar Code to Phone

Print/Save parameters

How to video



Model List

Plug-in Name

Release Notes

App Developer Report

DS2278-STANDARD SR

MODELS + CRADLE-037

1. Name and notes

Name:Virtual Keyboard

Notes:

2. Cable connection

USB (default)

IBM-RS485

Keyboard Wedge

3. Symbolologies (bar code types)

Factory default settings

4. Modify Data ^

Custom settings

5. Wireless - Bluetooth

Factory default settings

6. Imaging

Factory default settings

7. General

Factory default settings

8. Printing Options

9. Load and print

**Prefix / Suffix Simple Formatting**

Select the layout for prefix & suffix value you want to use.

☐ <PREFIX> <DATA>

☐ <DATA> <SUFFIX 1>

☒ <PREFIX> <DATA> <SUFFIX 1>

☐ <DATA> <SUFFIX 2>

☐ <PREFIX> <DATA> <SUFFIX 2>

☐ <DATA> <SUFFIX 1> <SUFFIX 2>

☐ <PREFIX> <DATA> <SUFFIX 1> <SUFFIX 2>

Enter values for prefix and suffix.

PREFIX:

[code list](#)

SUFFIX 1:

[code list](#)

SUFFIX 2:

[code list](#)

Für Prefix und Suffix 1 code liste selektieren und dann Reiter ALT drücken

# Schritt: Keyboard – Länderdefinition

The screenshot shows the 123Scan software interface. The top bar includes the 123Scan logo and navigation links: Barcodes, Preferences, Tools, and Help. The main window has a sidebar on the left with a list of settings categories: 1. Name and notes, 2. Cable connection, 3. Symbologies (bar code types), 4. Modify Data, 5. Wireless - Bluetooth, 6. Imaging, 7. General, 8. Printing Options, and 9. Load and print. The 'General' category is selected, and its sub-items are: Name: Virtual Keyboard, Notes, USB (default), IBM-RS485, Keyboard Wedge, Factory default settings, Custom settings, and Factory default settings. The main area displays the 'General' settings for the 'Virtual Keyboard'. The 'Power' section includes 'Time Delay To Low Power' (100 mSec), 'Timeout To Low Power Mode From Auto AIM' (15 Seconds), and 'Battery Preservation' (9 x 1 hour). The 'System' section includes 'Parameter Scanning Allowed' (checked), 'keyboard country type' (German), 'Country Code Page' (Default for a set Country Type), 'Unicode Output Control' (Universal Output), 'CJK Output Method to Windows' (Universal CJK), 'Transmit No Read Message' (unchecked), 'Transmit Code Id' (None), and 'Hand-Held Trigger' (Level). A yellow text overlay reads 'Keyboard auf das entsprechende Land setzen'. At the bottom, there are buttons for '< Back', 'Next >', 'Done', and 'Cancel', along with a search bar labeled 'Search for a parameter...'.

123Scan

Start | Data view | Virtual Keyboard

Actions | Save file to PC | Print bar code | Load to scanner | Email Bar Code to Phone | Print/Save parameters | How to video

Model List  
Plug-in Name  
Release Notes  
App Developer Report

DS2278-STANDARD SR  
MODELS + CRADLE-034

1. Name and notes  
Name: Virtual Keyboard  
Notes:

2. Cable connection  
USB (default)  
IBM-RS485  
Keyboard Wedge

3. Symbologies (bar code types)  
Factory default settings

4. Modify Data<sup>A</sup>  
Custom settings

5. Wireless - Bluetooth  
Factory default settings

6. Imaging  
Factory default settings

7. General<sup>A</sup>  
Custom settings

8. Printing Options

9. Load and print

<sup>A</sup> Parameters changed from factory default

**General**

The parameters below are general scanner settings and user preferences.  
Click on blue links below for faster parameter list navigation.

[Power](#)  
[System](#)  
[Beeper](#)

**Power**

Time Delay To Low Power: 100 mSec

Timeout To Low Power Mode From Auto AIM: 15 Seconds

Battery Preservation: 9 x 1 hour

**System**

Parameter Scanning Allowed: ☒

keyboard country type<sup>A</sup>: German

Country Code Page: Default for a set Country Type

Unicode Output Control: Universal Output

CJK Output Method to Windows: Universal CJK

Transmit No Read Message: ☐

Transmit Code Id: None

Hand-Held Trigger: Level

Keyboard auf das entsprechende Land setzen

< Back | Next > | Done | Cancel

Search for a parameter...



# Schritt: Datenbearbeitung – Konfiguration abschließen mit Done

Start

Data view

Virtual Keyboard

Actions

Save file to PC


Print bar code

Load to scanner

Email Bar Code to Phone

Print/Save parameters

How to video



Model List  
Plug-in Name  
Release Notes  
App Developer Report

1. Name and notes  
Name: Virtual Keyboard  
Notes:

2. Cable connection  
USB (default)  
IBM-RS485  
Keyboard Wedge

3. Symbolologies (bar code types)  
Factory default settings

4. Modify Data ^  
Custom settings

5. Wireless - Bluetooth  
Factory default settings

6. Imaging  
Factory default settings

7. General  
Factory default settings

8. Printing Options

9. Load and print

^ Parameters changed from factory default

### Prefix / Suffix Simple Formatting

Select the layout for prefix & suffix value you want to use.

☐ <PREFIX> <DATA>

☐ <DATA> <SUFFIX 1>

☒ <PREFIX> <DATA> <SUFFIX 1>

☐ <DATA> <SUFFIX 2>

☐ <PREFIX> <DATA> <SUFFIX 2>

☐ <DATA> <SUFFIX 1> <SUFFIX 2>

☐ <PREFIX> <DATA> <SUFFIX 1> <SUFFIX 2>

#### Enter values for prefix and suffix.

PREFIX:

ALT 2 <2050>

code list

SUFFIX 1:

ALT 6 <2054>

code list

SUFFIX 2:

Enter <7013>

code list

< Back

Next >

Done

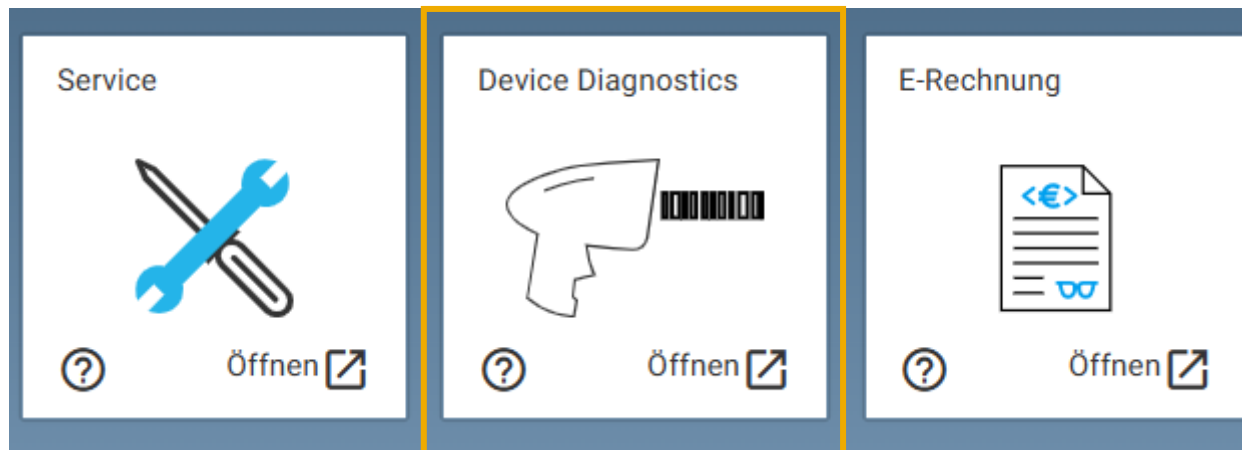
Cancel

Search for a parameter...



# SAP Business One Cloud Portal: Device Diagnostics App

Im SAP Business One Cloud Portal die App „Device Diagnostics“ starten:



# Device Diagnostics App: Konfiguration

Device Diagnostics  
0.5.1

Geräte

Scanner

Schnittstelle

☐

 Kamera

☐

 Serielle Schnittstelle

☒

 Virtual Keyboard

Prefix to data

ASCII ☒

Suffix to data

ASCII ☒

Learn

GS1 labels

FNC1 character

ASCII

Learn

Stift drücken (Edit) danach + drücken

Einstellungen übernehmen, danach Learn drücken

# Device Diagnostics App: Konfiguration

Folgende Einstellungen übernehmen und am Ende mit Speichern Konfiguration abschließen.  
Danach ggfs. die App mit F5 einmal neu laden.



## Schnittstelle

- ☐ Kamera
- ☐ Serielle Schnittstelle

☒ Virtual Keyboard

Prefix to data	ASCII	<input type="text" value="50"/>	<input type="checkbox"/>	CTRL	<input checked="" type="checkbox"/>	Alt	<input type="checkbox"/>	Shift
Suffix to data	ASCII	<input type="text" value="54"/>	<input type="checkbox"/>	CTRL	<input checked="" type="checkbox"/>	Alt	<input type="checkbox"/>	Shift

Learn

Einstellungen übernehmen, danach Learn drücken.  
Dann Diskette (speichern) drücken.

## Device Diagnostics App: Testen

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In der Hauptansicht der Diagnostics App beispielsweise folgenden Barcode einscannen:





Hinweis: Drucken Sie diese Seite zu Testzwecken am besten aus.

# Device Diagnostics App: Testergebnis

Wenn der Barcode 0123456789 oben in der Textbox gezeigt wird, dann wurde der Scanner erfolgreich als virtuelle Tastatur konfiguriert!

Barcode  
0123456789



☐ Show keyboard input

Clear console

Console

Time	Message	Runtime (ms)
04:15:34 PM	interpretOtherFormat using response types: Item, BinLocation, Barcode, LotNumber, SerialNumber	0
04:15:34 PM	Searching entity type Items for selected barcode: 0123456789	1
04:15:34 PM	Searching entity type BinLocation for selected barcode (1st attempt): 0123456789	2
04:15:34 PM	Searching entity type Barcode for selected barcode: 0123456789	1
04:15:34 PM	Searching entity type LotNumber for selected barcode: 0123456789	0
04:15:35 PM	Entity type SerialNumber didn't return any results.	384

# Device Diagnostics App: Diagnose

Sollte der Barcode nicht in der Textbox erscheinen, dann folgende Schritte durchführen und mit der Support-App dem conesprit Support Team den Inhalt der Konsole zukommen lassen:

The screenshot shows the Device Diagnostics App interface. At the top, there is a 'Barcode' section with a barcode icon and the text '0123456789'. Below this, there are two buttons: 'Show keyboard input' (with a checkbox) and 'Clear console'. The 'Clear console' button is highlighted with a yellow box and a yellow '1' next to it. The 'Show keyboard input' checkbox is checked, and the button is highlighted with a yellow box and a yellow '2' next to it. Below the buttons is a 'Console' section with a table of log entries. The table has two columns: 'Time' and 'Message'. The log entries show keyboard events with their respective keyCodes and modifiers. The 'Console' section is highlighted with a yellow box and a yellow '4' next to it.

Time	Message
04:18:57 PM	Keyboard event 2 keyCode: 50 ctrl: false alt: true shift: false meta: false isStartCharacter: true isEr
04:18:57 PM	Keyboard event 0 keyCode: 48 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 1 keyCode: 49 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 2 keyCode: 50 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 3 keyCode: 51 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 4 keyCode: 52 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 5 keyCode: 53 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 6 keyCode: 54 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 7 keyCode: 55 ctrl: false alt: false shift: false meta: false isStartCharacter: false is
04:18:57 PM	Keyboard event 8 keyCode: 56 ctrl: false alt: false shift: false meta: false isStartCharacter: false is

- 1) Konsole leeren
- 2) Checkbox anhaken
- 3) Scanvorgang für Barcode 0123456789 wiederholen
- 4) Inhalt der Konsole speichern und im Ticket einhängen

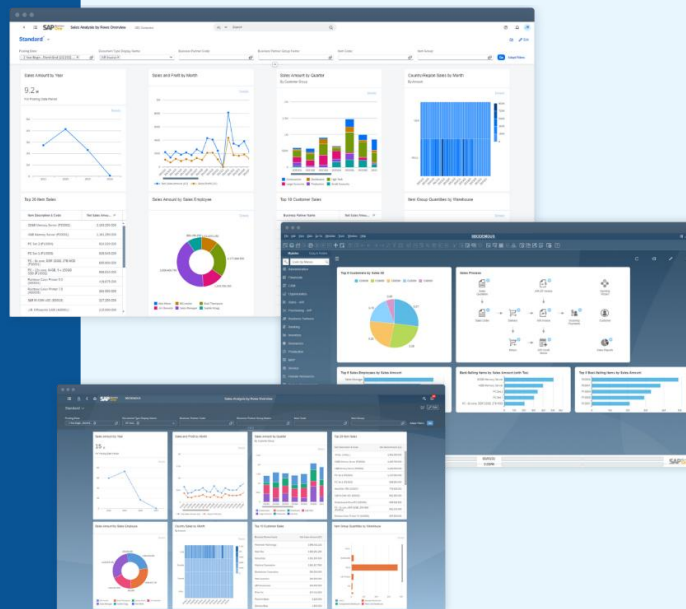


# Ihr eigenes SAP Business One Demo-System.

In **2 Minuten** für Sie bereit.

Glauben Sie nicht?  
Dann testen Sie es jetzt!

 **Kostenlose Online-Demo**



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