

SW3 Barcode Scanner How2

From version 1.04.44 Softwin3 supports USB HID barcode scanner which works as Windows keyboard.

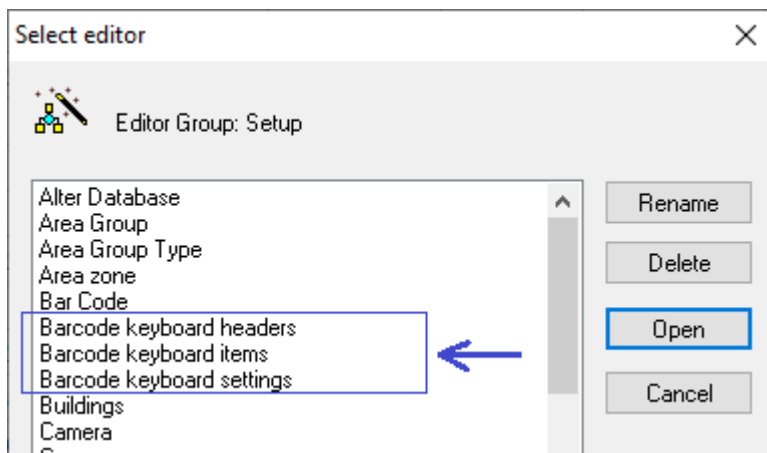
The system currently supports barcodes for cards and visitors only.

Available in SCS_Client, SCS_CardMake and SCS_Visitor.

Where are barcode scanner settings on Softwin3?

Softwin3 has predefined barcode scanner settings.

You can find them from menu "Setup"->"Setup editor":



Barcode keyboard settings

Those settings are to setup Softwin3 for work with barcode scanner and valid per PC.

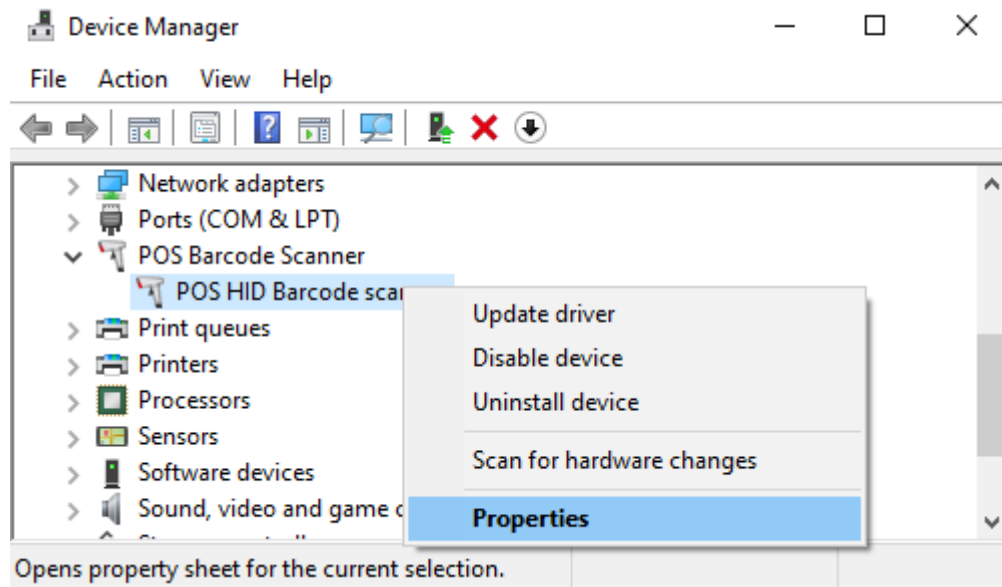
Ref	PC	Vendor ID	Product ID	Start	End
1	Client-PC	0x0C2E	0x0B61		0x0D

Field	Comment
PC	PC to which barcode scanner belongs. NOTE: by default, this field is empty
Vendor ID	Barcode scanner Vendor ID on Windows operating system. Hexadecimal. Please see " How to find Vendor ID and Product ID "
Product ID	Barcode scanner Product ID on Windows operating system. Hexadecimal. Please see " How to find Vendor ID and Product ID "
Start	Barcode start character after which Softwin3 will read data. Hexadecimal. Normally empty.
End	Barcode end character after which Softwin3 will stop to read data. Hexadecimal. Required. Normally it is 0x0D (keyboard key: <Enter>)

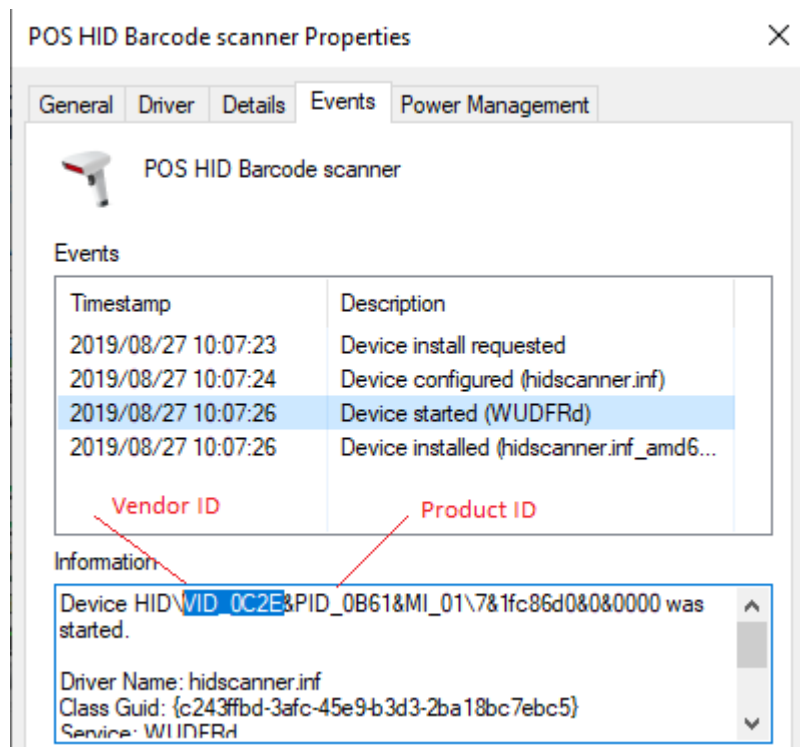
How to find Vendor ID and Product ID

Connect USB HID barcode scanner to PC and wait until operating system will install driver and will recognise it.

Open Windows Device Manager from Control Panel, find “POS Barcode Scanner” and click “Properties”

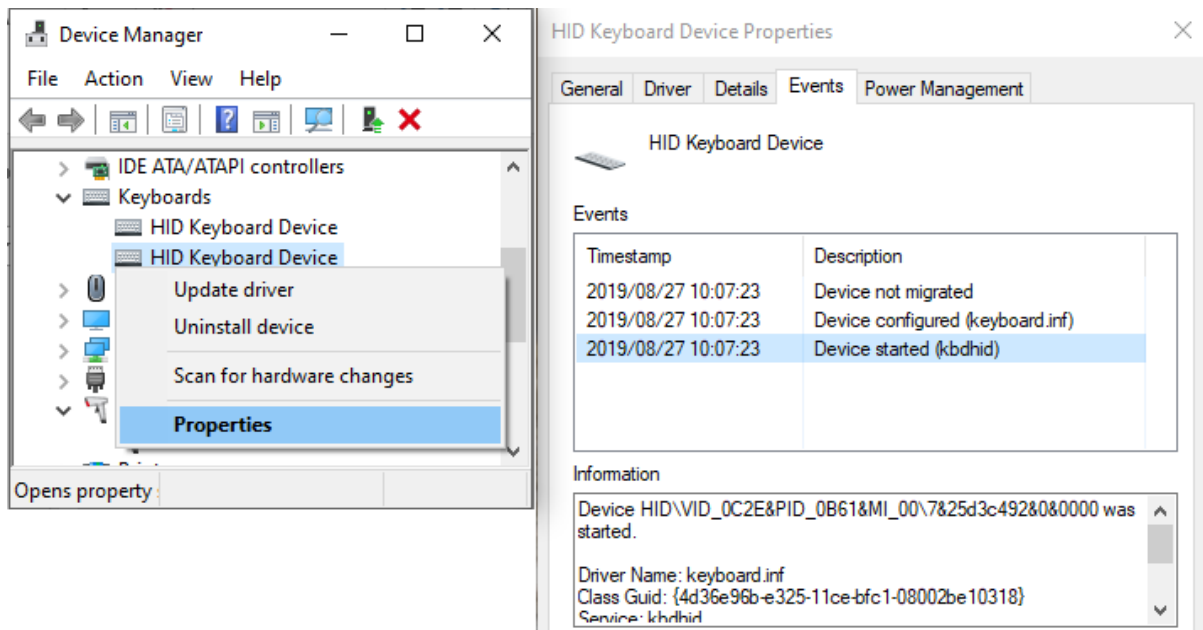


On properties select “Events” and “Device started”:



POS HID Barcode scanner Properties (information)	Value on picture above	Softwin3 setting value
Vendor ID	VID_0C2E	0x0C2E
Product ID	PID_0B61	0x0B61

To be sure that you have the correct Vendor ID and Product ID open Windows Device Manager and find keyboard “HID Keyboard device”, open “Properties”, go to “Events” and select “Device started”. You should see the same Vendor ID and Product ID as on picture above.



It means that Softwin3 can read data from barcode scanner.

Barcode keyboard headers

Those predefined settings are to decrypt barcode data.

	Name	dB Reference	Search field ID	Separator	Start string
1	User: learner license	User	F_CD_IDNUM	%	%LL
2	Visitor: learner license	Visitor	F_VISITOR_IDNUM	%	%LL
3	User: driving license	User	F_CD_IDNUM	,	
4	Visitor: driving license	Visitor	F_VISITOR_IDNUM	,	
5	User: vehicle license	User		%	%MV
6	Visitor: vehicle license	Visitor		%	%MV
7	User: ID card	User	F_CD_IDNUM		
8	Visitor: ID card	Visitor	F_VISITOR_IDNUM		

Field	Comment
Name	Header name. Required for " Barcode keyboard items " settings
dB Reference	DataBase reference. Required and can be "User" or "Visitor"
Separator	Barcode field separator. Required, cannot be empty
Start string	Barcode start string to find barcode in Softwin3. Not required and can be empty
Search field ID	To find database record in Softwin3. Not required, if empty – no search in Softcon databases

Barcode keyboard items

Those predefined settings are to find item (field) values in barcode data.

Ref	Header	Position	Field IDs	Date mask
1	Card: learner license		7 F_CD_IDNUM	
2	Card: learner license		8 F_CD_INITIALS F_CD_NAME	
3	Card: learner license		15 F_CD_ISSUED	yyyy-mm-dd
4	Card: learner license		16 F_CD_EXP	yyyy-mm-dd
5	Visitor: learner license		7 F_VISITOR_IDNUM	
6	Visitor: learner license		8 F_VISITOR_F_NAMES F_VISITOR_NAME	
7	Visitor: learner license		15 F_VISITOR_ISSUED	yyyy-mm-dd
8	Visitor: learner license		16 F_VISITOR_EXPIRED	yyyy-mm-dd
9	Card: driving license		2 F_CD_IDNUM	
10	Card: driving license		0 F_CD_INITIALS	

Field	Comment
Header	To which barcode data this item (field) belongs. Required
Position	Position in barcode data. Required. First field position = 0 when " Start string " from table above is empty First field position = 1 when " Start string " from table above is not empty
Field IDs	Softwin3 system field ID (can be more than one field in one position). Required
Date mask	Date mask to read barcode data correctly. Valid only for one field ID. Not required. If not empty – the barcode field value is Date field If empty – the barcode field value is string

Softwin3 applications

Available in SCS_Client, SCS_CardMake and SCS_Visitor only.

The applications have short cut Ctrl+B to start to scan barcode (or from mouse right click) and can be activated on Card/Visitor List Editors or Card/Visitor Properties.

Screen shot:

Barcode to database - Card X

Press button to scan barcode

Search field Search value

Field	Old	New
Card Name	GROBBELAAR	GROBBELAAR
Expires	2020/10/21	2020/10/21
ID	9408165144086	9408165144086
Initials	PJ	PJ
Issued	2018/10/22	2018/10/22

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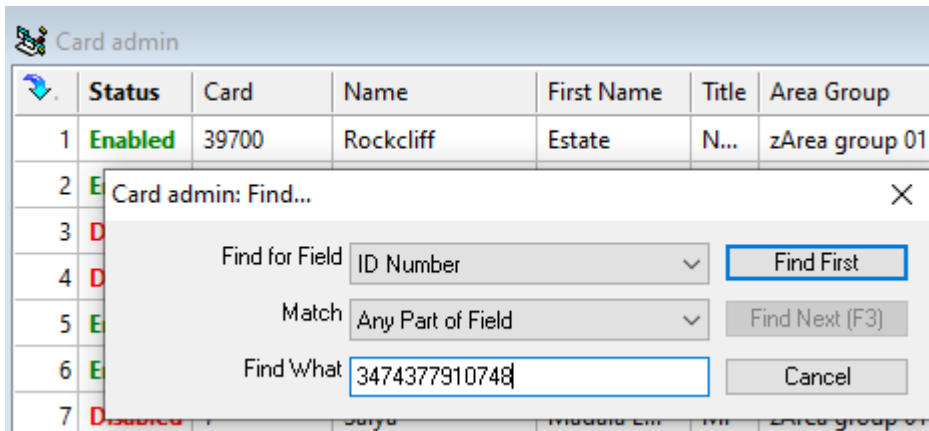
Current DB reference

List Editor reference

Element	Comment
Button "Start scan"	When pressed the system will wait for barcode data
Record navigator	Helper to navigate between records found in database. When record is changed updates "Current DB reference" field
List Editor reference	DB reference of selected item from active List Editor. Invisible if selected item count from active List Editor is not equal to 1
Clear data	Clear all data on the screen
Update current DB reference	Update current database record
Update List Editor reference	Update database record with DB reference of selected item from active List Editor
Update properties only	Update fields on properties screen only (without saving to database)

NOTE: if barcode is life book ID or new card ID that has only ID number and no other data you can use direct input. Put Windows focus on window you want to receive barcode data and start to scan.

Screen shot 1:



Screen shot 2:

	Status	Card	ID Number
1	Enabled	39700	
2	Enabled	2	
3	Disabled	3	7012025282086