

## SBR 0812 – USB Desktop Reader Flex

Design for easy registration of proximity access cards in access control software. The card reader interface connects to a pc via USB (1.1) and the required driver is automatically loaded (Windows 2000 & Windows XP). When reading a card the card data is transferred to the keyboard buffer of the pc. This allows for integration with existing software where card data usually is typed into the system.



### Product versions:

Card technology	Reader interface	Data	Data format
Mifare	Clock / Data	Mifare Serial number	Hex / Dec
MicroProxs	Clock / Data	CrossPoint card number	Dec
EM	Clock / Data	EM Serial number	Hex / Dec
HID Prox	Wiegand	Site code & Card no.	Dec
HID iClass	Wiegand	Site code & Card no.	Dec
OEM	Wiegand or Clock / Data	Site code and / or Card no.	26 bit Wiegand 9-64 bit Wiegand 1 – 37 character ABA2

The OEM version is delivered without card reader, for use with external reader modules like Cotag, Magstripe etc.

The OEM version is a useful tool to test a card / reader's data format.

Data from an integrated pin pad is received as 8-bit burst.

# SB Research

## Data :

Dimensions : 110 x 42 mm (Dia. x H).  
Connection : USB-A Connector.

## Selection of data format:

Format	DIP 3	DIP 2	DIP 1	DIP 5	DIP6
Magstripe	Off	Off	Off	Off	Off
Magstripe HEX (ISO)	On	Off	Off	Off	Off
Magstripe HEX HiSec	Off	On	Off	Off	Off
Wiegand Raw (ISO)	On	On	Off	Off	Off
Wiegand 32Bit HiSec	Off	Off	On	Off	Off
Wiegand 26bit	On	Off	On	Off	Off
Wiegand 26bit NO	Off	On	On	Off	Off
Wiegand Raw - Debug	On	On	On	Off	Off
Wiegand Awid 50 bit NO	Off	Off	Off	On	Off
Wiegand 27bit	On	Off	Off	On	Off
Wiegand 27bit NO	Off	On	Off	On	Off
Wiegand 29bit	On	On	Off	On	Off
Wiegand 29bit NO	Off	Off	On	On	Off
Wiegand 32bit (Dec)	On	Off	On	On	Off
Magstripe HEX (24Bit)	Off	On	On	On	Off
Magstripe AMAG NO	On	On	On	On	Off
Wiegand 32Bit I/NET	Off	Off	Off	Off	On
Wiegand 37Bit HiSec	On	Off	Off	Off	On
Wiegand 26Bit NOX	Off	On	Off	Off	On
Magstripe HiSec	On	On	Off	Off	On
Magstripe EM (Dec)	Off	Off	On	Off	On
Magstripe EM (Hex)	On	Off	On	Off	On
Wiegand 37Bit NOX	Off	On	On	Off	On
Magstripe EM Roger	On	On	On	Off	On
Magstripe EM UniLock	Off	Off	Off	On	On

## Transmit enter:

With DIP 4 = On an 'Enter' (0x13) is transmitted after each card read.

## Light & Sound:

At connection of the unit to the USB port a yellow flash and a short activation of the buzzer output indicates correct initialization.

Transmission of data is indicated with a green flash and activation of the buzzer output.

Errors in the card data is indicated with a double red flash and activation of the buzzer output.

Transmission of pin pad data is indicated with a yellow flash and activation of the buzzer output.