

# SBR 0904 – USB Desktop Reader Compact

Design for easy registration of proximity access cards in access control software. The card reader interface connects to a pc via USB (2.0) 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
EM	Clock / Data	EM Serial number	Hex / Dec
HID Prox	Wiegand	Site and / or 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, but with detachable screw terminals for use with external reader modules like Indala, Cryptag, AWID, Cotag, Magstripe etc.

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

## Data

Dimensions: 90 x 55 x 25 mm (L x W x H)

Connection: USB-B Connector

## Selection of data format

ID	Format	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6
0	Magstripe Raw	Off	Off	Off	Off	Off	Off
1	Magstripe MI Hex 32 Bit (ISO)	On	Off	Off	Off	Off	Off
2	Magstripe MI Hex 32 Bit (HiSec)	Off	On	Off	Off	Off	Off
3	Magstripe MI Hex 24 Bit	On	On	Off	Off	Off	Off
5	Magstripe EM Dec 32 Bit	On	Off	On	Off	Off	Off
6	Magstripe EM Hex 32 Bit	On	Off	On	Off	Off	Off
7	Magstripe EM Roger	On	On	On	Off	Off	Off
8	Magstripe EM UniLock	Off	Off	Off	On	Off	Off
9	Magstripe MI Dec 16 Bit	On	Off	Off	On	Off	Off
10	Magstripe EM Hex 40 Bit	Off	On	Off	On	Off	Off
11	Magstripe EM Dec 16 Bit	On	On	Off	On	Off	Off
12	Magstripe EM NOX 26 Bit	Off	Off	On	On	Off	Off
13	Magstripe MI ATS 32 Bit	On	Off	On	On	Off	Off
32	Wiegand Raw	Off	Off	Off	Off	Off	On
33	Wiegand Debug	On	Off	Off	Off	Off	On
34	Wiegand 26 Bit (Site + Card no.)	Off	On	Off	Off	Off	On
35	Wiegand 26 Bit (Card no.)	On	On	Off	Off	Off	On
36	Wiegand 34 Bit (Site + Card no.)	Off	Off	On	Off	Off	On
37	Wiegand 34 Bit (Card no.)	On	Off	On	Off	Off	On
38	Wiegand 37 Bit (Large Card no.)	Off	On	On	Off	Off	On
39	Wiegand 37 Bit (Site + Card no.)	On	On	On	Off	Off	On
40	Wiegand 37 Bit (Card no.)	Off	Off	Off	On	Off	On
41	Wiegand 32 Bit HiSec	On	Off	Off	On	Off	On
42	Wiegand 32 Bit I/NET	Off	On	Off	On	Off	On
43	Wiegand 37 Bit HiSec	On	On	Off	On	Off	On
44	Wiegand 26 Bit Nox	Off	Off	On	On	Off	On
45	Wiegand 37 Bit Nox	On	Off	On	On	Off	On
46	Wiegand 32 Bit Dec	Off	On	On	On	Off	On
47	Wiegand 48 Bit ATS	On	On	On	On	Off	On

## Transmit enter

With DIP 7 = 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.