

B&B HOME BADGE READER



APPLICATION:

B&B Home Badge reader is used to give the B&B Home system the possibility to use badges (Tags) to access doors, ports, etc.

TECHNICAL SPECIFICATIONS:

Operating Voltage Range	5-16VDC (100mA max)
Tamper Output	Open collector, active low, max. sink current is 16mA
Maximum Cable Distance to Controller	150m
RF Modulation	ASK, 125KHz
Card Read Distance	8cm
Dimensions	H79.91 x W39.91 x D12.8



CONNECTION TO B&B

The B&B Badge Reader must be connected to a RS232 port on the B&B Home Server.

Pin Reader		Power Supply	RS232 Female
1. Red	Vin (5-16VDC)	+5V/+12V	
2. Black	Ground	GND 5V/12V	5. RS232 Ground
3. Green	Data RS232		2. Received Data
10. Gray	Mode	+5V/+12V	

Table 1: Wiring

Wire Color	Function
Red	5-16 VDC
Black	Ground
Green	Data 0 / Data
White	Data 1 / Clock
Orange	Green LED
Brown	Red LED
Purple	Tamper
Yellow	Buzzer
Blue	Hold
Grey	Data Output Mode

5.2 Data Output Mode Line

The Data Output Mode Line is used to select whether the reader outputs in Wiegand 26-Bit or Clock & Data format.

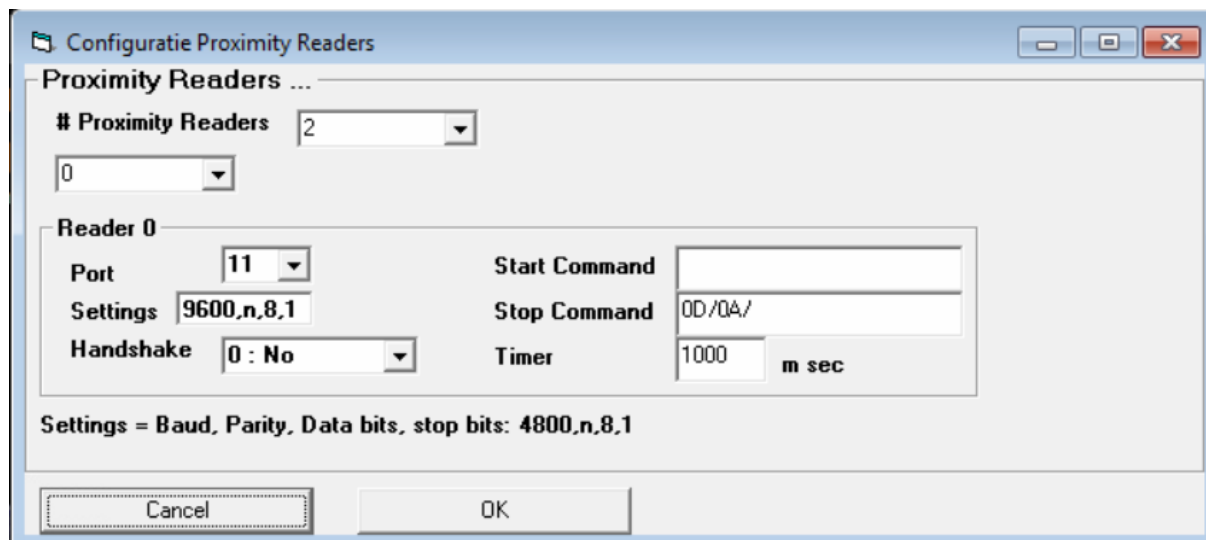
When the Mode Line is open, the reader outputs Wiegand 26-Bit.
When the Mode Line is pulled to ground, the reader outputs Clock & Data.



ACTIVATION IN B&B SETUP

Open the B&B Home System Setup program. There you can choose “Proximity”

Set the port settings to the correct COM port, baudrate (9600,N,8,1, no). Fill in the start- and stop command as shown in the following screenshot.



!!! Warning: “Timer” value of 1000msec is very important. When this value is 0, the software will not execute the function.

When you set the Timer value for example to 5000, you can program a second function to execute when the proximity reader reads the same badge or code within 5000mseconds. The second time the software will prompt “DS” instead of “DG”.

KEYPAD

To connect a keypad to the B&BHome system, the same parameters are required. Except for the “Stop Command” this is “0D”

To learn a code enter: “code” + “#”.

e.g.: 5789#