

GSM2ACCESS V4

Manual

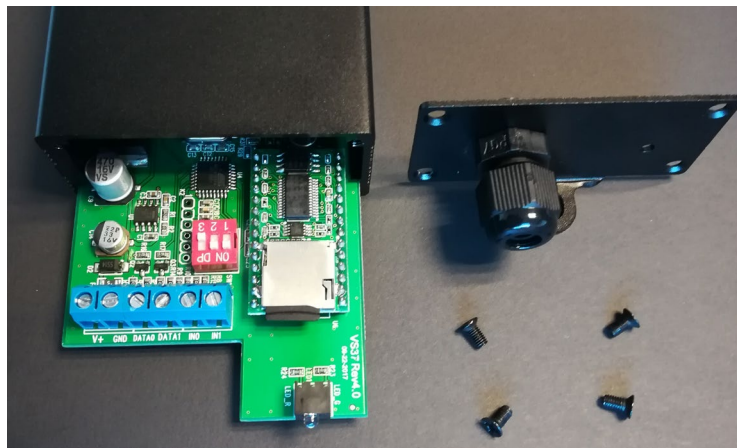
Version	Change	Author
1.0	First version	Søren Due

GSM2ACCESS V4

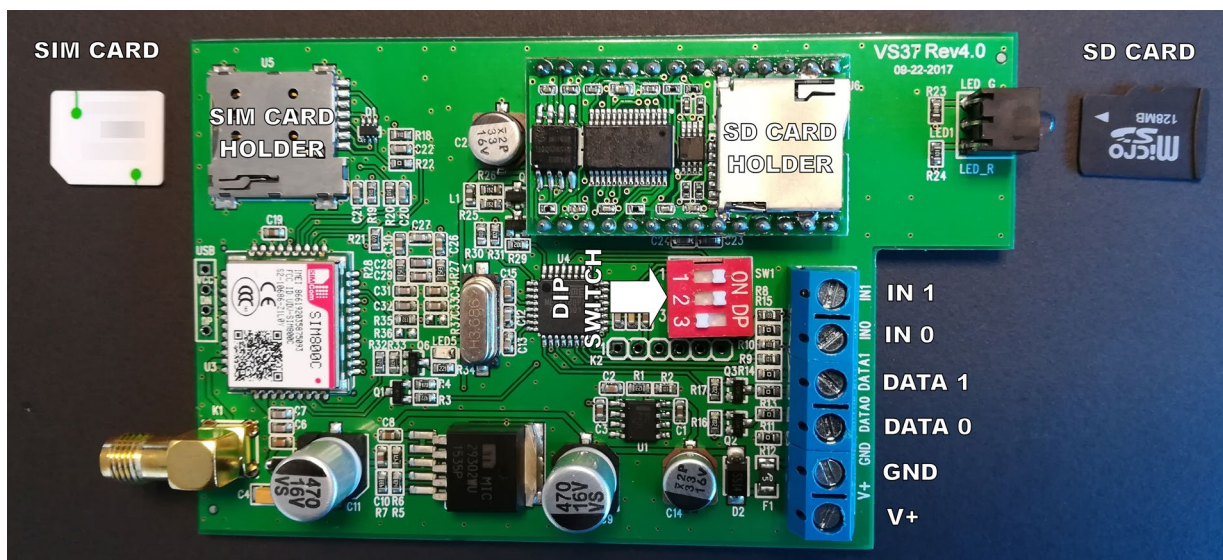
The GSM2ACCESS V4 comes with new functionality which makes it possible for the unit to answer the phone, and listen for key-presses. The unit can be looked at as a normal card reader, where the card presented is the phone-number of the incoming call.

Disassembling the unit

To take the unit apart to attach wires, SIM-card, SD-card, and setup functionality on the Dip-Switches, 4 screws is removed. This can be done in either end of the unit, but its recommended to do this in the end where the wires goes into the unit. The complete board can then easily be removed from the casing.



Board Layout



Inside the unit there is a terminal block for connection the unit to the controller, a dipswitch for setting up the unit, a SIM card and a SD card tray.

Terminal block

Terminal	Function
1	12V
2	0V
3	Data 0
4	Data 1
5	IN 0
6	IN 1

NOX Specific Tip:

Please make sure not to use PIN 1 on the CMU to supply the unit. The unit has a high peak current when calls are initiated. On the CMU you can use the BUS supply voltage, or an external supply.

If an external power supply is used, please remember to connect ground on the Wiegand controller with the external supply's ground to make sure the Wiegand signals work correctly.

DIP-Switch

Switch	ON	OFF
3	4bit Bust for keypress	8bit burst for keypress
2	32bit Wiegand Output	50bit Wiegand Output
1	Listening mode ON	Listening mode OFF

Listening mode OFF:

When the unit receives a call, it hangs up the call and sends the incoming phone number on the Wiegand bus

Listening mode ON:

When Listening mode is ON the call will be answered and the welcome message is played.

The user can then input keys and finish by hitting the # key

The unit will play a message depending on the state of IN0 and IN1.

If the unit does not see a # key it will timeout with a message, and hang up.

SD-Card

In listening mode, the SD card will be needed to play sound files for the user.

There are 5 sound files needed, and they can be replaced if needed. It's important that the files are moved to the SD card in the correct sequence 1 by 1. So, delete all files and the copy file 01, then file 02... etc.

File in mp3 format	Message
01	Welcome message
02	Ok message from IN0
03	OK message from IN1
04	Timeout (no # key was registered)
05	Error message (No IN0 or IN1 signal)

SIM-Card

To inset the SIM card, push the Micro-SIM into the SIM Slot. Please note that the SIM card must be configured without PIN control, and voice mail must be removed / deactivated.

To remove the SIM again push the SIM card in gentle until you hear a click and the SIM will automatically be pushed out so it can be removed. Please look at the Board Layout that shows witch way the SIM should turn.

LED Startup procedure

- Power ON.
- 2 sec green
- 2 sec red
- 5 sec pause
- 2 blink green : SD with MP3 loaded
- 2 blink red : no MP3 or Modul present
- -----
- Registration SIM card
- Pulse 2 times red = Not Registered
- Pulse 1 time green = Registered

- Steady red = no registration of SIM