

# GSW2 PLUS 200 NEW

## QUICK START GUIDE

Please use web server on: [www.easysset.eu](http://www.easysset.eu)

- BEFORE INSTALLATION, READ THIS QUICK START GUIDE FIRST!**
- Install wiring from power source to GSW2 PLUS location.
- IMPORTANT: USE A MICRO SIM CARD (Micro-SIM) WITH MEMORY FOR UP TO 250 CONTACTS!** Insert SIM card to be used for GSW2 PLUS in your personal mobile phone to erase PIN code.
- IMPORTANT: ERASE THE PIN CODE ON SIM CARD!**
- Insert SIM card in GSW2 PLUS device as detailed below – gold contacts down and cut off corner RHS. The unit must be switched OFF when you insert the SIM! **Insert SIM carefully as SIM holder is fragile if forced!**
- Connect outputs to GSW2 PLUS device.
- Connect power cable to GSW2 PLUS device.
- Connect device to source power supply voltage (12-20VAC or 12-24VDC).
- Wait until YELLOW LED start flashing in 5 sec interval (0,5 sec ON / 5 sec OFF) and BLUE LED starts flashing. This is set in around 30 seconds.
- GSW2 PLUS device is now ready to operate.

### WIRING

Wiring is minimal and apart from power supply source to GSW2 PLUS & door release (gate automatic etc.) wires, there is no other required wiring.



<b>POWER SUPPLY</b>	Power supply – 12 to 20 V AC or 12 to 24 V DC	<b>OUT3</b>	Wiegand output DOUT 1
<b>IN1</b>	Alarm input 1	<b>OUT4</b>	Wiegand output DOUT 0
<b>IN2</b>	Alarm input 2	<b>GND</b>	Ground
<b>1C</b>	Relay Output 1 – Common	<b>A</b>	RS485 A
<b>1NC</b>	Relay Out. 1 – Normal Close	<b>B</b>	RS485 B
<b>1NO</b>	Relay Out. 1 – Normal Open	<b>TMP</b>	Temp. connector - optional
<b>2C</b>	Relay Output 2 – Common	<b>SIM</b>	Micro SIM card holder
<b>2NC</b>	Relay Out. 2 – Normal Close	<b>USB</b>	USB for prog. with PC
<b>2NO</b>	Relay Out. 2 – Normal Open	<b>ANT</b>	GSM Antenna
<b>GND</b>	Ground	<b>Wiegand input</b>	<p>Wiegand connector Green = D0 White = D1 Red = +12VDC Black = GND Brown = LED Yellow = Buzzer</p>
<b>AUX</b>	+12V DC AUX - *100 mA max.		
<b>CB1</b>	Call Button 1 – same as IN1!		
<b>Y W</b>	GSM Intercom – Call point connections	<b>2G or 3G</b>	2G or 3G version
<b>BATT-</b>		Backup Battery – (minus)	<b>XT</b>
<b>BATT+</b>	Backup Battery + (plus)		

**\*Do not use the 12V AUX power output for electric lock driving!**  
**You can use it to power external sensors: Short-term current load (up to 1 minute) - up to 500mA; Long-term current load - up to 100mA! Use separate power source for door electric lock!**

### SIM CARD (Micro SIM)

Insert the SIM card gold contacts down with the cut off to the RHS as shown above. **Insert SIM carefully. It will NOT break unless forced!**

### SET AUTHORISED CALLER ID USERS (200 user version)

;+CLP1=07796176545;CLP2=xxxxxxxxxx;CLP3=xxxxxxxxxx;CLP4=xxxxxxxxxx;CLP5=xxxxxxxxxx;CLP6=xxxxxxxxxx;CLP7.....(up to 200);

### SET 'ANY CALLER' MODE FOR CALLER ID ACCESS

Any number can switch the door release by calling the GSW2 PLUS ;+CLPEN=2;

### SET ONLY 'AUTHORISED CALLER ID USERS' HAVE CALLER ID ACCESS

Only Caller ID users can switch the door release by calling the unit ;+CLPEN=1;

### REQUEST CURRENT CALLER ID USERS (and other settings)

Request ALL 200 users in multiple messages: ;PCLP;

Request a select range (use any range): ;PCLP=1,5;

### SETUP ACCESS CODES (PIN1 to PIN1000) – (3<sup>rd</sup> party Wiegand):

**NOTE: PIN1 to PIN500 for Relay 1, PIN 501 to PIN1000 for Relay 2.**

Set PIN access codes by sending SMS to GSW2 PLUS:

;PIN1=1234;PIN2=2345;...;PIN1000=5588; (first digit ≥ 1)

Delete PIN access codes by sending: ;PIN1=; ... up to ;PIN1000=;

Check current PIN access codes: Request all PIN codes: ;PPIN;

Request a block of PIN codes: ;PPIN=1,5; (access codes 1 – 5)

### SETUP TEMPORARY SPIN ACCESS CODES (SPIN1 to SPIN50):

Up to 50 SPIN Access Codes and how many of times will it be used.

**NOTE:** Set the SPIN codes active output first: ;SPINO=1; and SPIN code and how many times will it be used: ;SPIN8=4321;SPINC8=3;

Explanation: Output set to trigger is Relay 1, SPIN8 code 4321 can be used 3 times and after the 3<sup>th</sup> time won't be valid anymore.

Check current SPIN access codes: ;PSPIN; - prints SPIN parameters.

### SET UP DOOR RELEASE SWITCHING MODE

Default is 3 sec pulse (suits automatic gates)

Change to 30 second pulse: ;+OS1=30;

Change to latching (on/off): ;+OS2=1; (relay 2 hold open function)

### SET AS '1<sup>ST</sup> CALL OPEN' / '2<sup>ND</sup> CALL CLOSE'

The output can be set to switch on with the first call from an authorized number & off with the next. This works when you set the relay output by SMS as follows: ;+OS1R=1; (for 1<sup>st</sup> relay) or ;+OS2R=1; (for 2<sup>nd</sup> relay).

### ACCESSING TO THE UNIT FOR CHANGING PARAMETERS:

Set the TN1 – TN5 telephone numbers of **Authorized Users**, who have the full access to the GSW2 PLUS unit (to set or delete Caller ID numbers of the users, change parameters, receive alarms, ...):

;TN1=xxxxxxxxxx;TN2=xxxxxxxxxx;...;TN5=xxxxxxxxxx;

### SECURITY LEVEL – SL:

SL parameter from 0 to 5 defines which telephone number stored in the phone book from TN1 – TN5 can enter into programming and remote control of the GSW2 PLUS.

SL=0 – All calls and SMS are accepted to the GSW2 PLUS unit,

SL=1 – Only number stored under parameter TN1 has access to the unit, ...

SL=4 – Numbers stored under parameters TN1 to TN4 have access to unit.

Example: ;SL=1; – Only the TN1 has access to the GSW2 PLUS unit.

### OPERATION & TESTING

#### Follow these steps to test the system...

- 1. SWITCH ON POWER:** The device starts to initialize indicated by YELLOW flashing once per second. When YELLOW is flashing once per 5 second it is registered to the network and BLUE flashes signal strength, the device is ready to program. Between 2 – 5 BLUE flashes is recommended.
- 2. PROGRAM BY SMS:** Send minimum setting (1 User phone number): ;+CLP1=xxxxxxxxxxxxxx; (using your own phone number)
- 3. REPLY CONFIRMATION:** You should receive an SMS back to confirm the setting. If you don't, you either left off the "+" in the SMS string, the device is not ready or the SIM has no credit.
- 4. CALL THE GSW2 PLUS DEVICE:** Call from the phone number set as CLP1 to test the output switch.

### PROGRAMMING SOFTWARE EASYSET

**Test the unit before trying to use programming software.**

**NOTE:** If you are using 1 alarm input and 1 or a few users, it is far more efficient to use the above SMS set up procedure.

- Get the software EasySet & USB driver files from the CD or WEB.
- Install the EasySet software (please be careful to download the correct PC program - x86 or x64): Double click on \*.msi file.
- Plug device into your PC with **USB to Mini USB cable**: With valid SIM card and in normal operation mode – the GSW2 PLUS device must be registered on the GSM network (BLUE LED: 2 – 5 flashes).
- Start EasySet SW: Double click on EasySet icon. The GSW2 PLUS must be connected to PC via USB. Select connection port: choose the COM port number (Device manager → Ports) and click **Connect**.
- Program settings: **Always "Read configuration" first**, before any programming action by PC. Go through the tabs to change settings. From the 'Home' tab press **"Send configuration"** to program the GSW2 PLUS. Then **"Save configuration to file"** for future access via **"Load configuration from file"**.

### TROUBLESHOOTING

Please check the following before calling for support.

- You have GSM signal (BLUE flashing LED),
- You have a tested, credited, working SIM,
- You have followed above 'OPERATION & TESTING' procedure.

### TECHNICAL SUPPORT

See the complete Installation Manual for full information. This is a basic "Quick Start Guide" only. Please contact your Supplier for further information, if you have tried the above and cannot resolve the issue.