GSW2 PLUS 200 NEW
QUICK START GUIDE

1. **BEFORE INSTALLATION, READ THIS QUICK START GUIDE FIRST!**
2. Install wiring from power source to GSW2 PLUS location.
3. **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.
4. **IMPORTANT: ERASE THE PIN CODE ON SIM CARD!**
5. 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!**
6. Connect outputs to GSW2 PLUS device.
7. Connect power cable to GSW2 PLUS device.
8. Connect device to source power supply voltage (12-20VAC or 12-24VDC).
9. 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.
10. 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.

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

> *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 PIN100) – (3rd party Wiegand):

> NOTE: <u>PIN1 to PIN50</u> for Relay 1, <u>PIN 51 to PIN100</u> for Relay 2.

Set PIN access codes by sending SMS to GSW2 PLUS:
;PIN1=1234;PIN2=2345;…;PIN100=5588; (first digit ≥ 1)

Delete PIN access codes by sending: *;PIN1=; … up to ;PIN100=;*

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 3th 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 '1ST CALL OPEN' / '2ND 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 1st relay) or ;+OS2R=1; (for 2nd 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=xxxxxxxxxxxx;* (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.

1. **Get the software EasySet & USB driver files** from the CD or WEB.
2. **Install the EasySet software** (please be carefull to download the correct PC program - x86 or x64)**:** Double click on ***.msi** file.
3. **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.
4. **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**.
5. **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.
1. **You have GSM signal (BLUE flashing LED),**
2. **You have a tested, credited, working SIM,**
3. **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.