

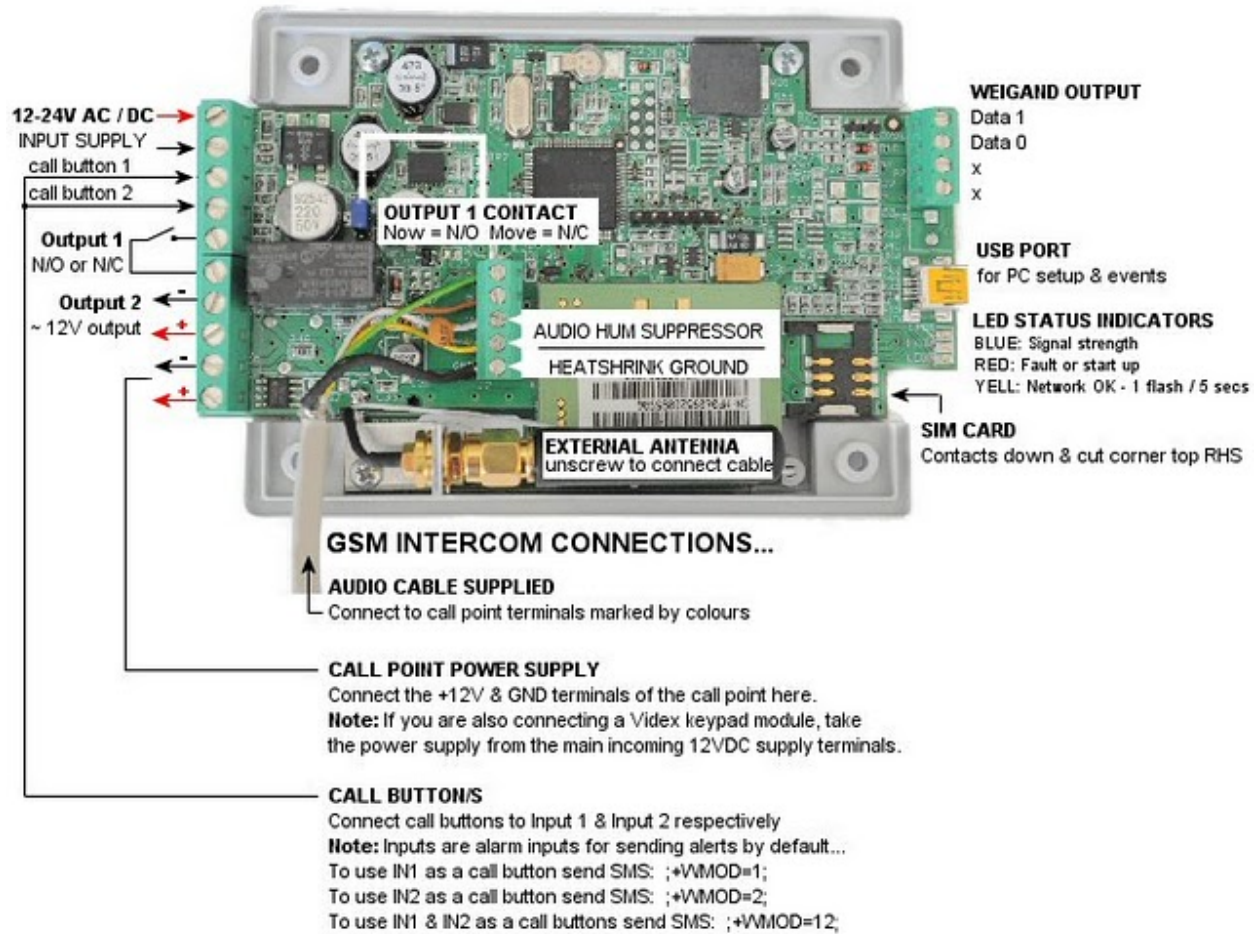


GSM Intercom - QUICK START GUIDE

Follow these steps to set the system up...

- Connect audio cable as shown using provided heatshrink to cover bare ground wire
- Connect 12VDC power to the call point from the - & + terminals as shown
- Connect call button/s to input 1 for 1 button & input 1 & 2 for 2 button systems
- Connect relay 1 output to the gate open switch (common & open)
- Insert SIM card gold contacts down and SIM cut off corner to top RHS
- Connect the power supply
- Wait for the blue LED to start flashing & the red to go off completely
- Send the ;WMOD=12; command as shown by SMS to enable inputs as call buttons

Connection Diagram...



i) Important note on the SIM card used

Insert the SIM card gold contacts down with the cut off corner to the top RHS as shown on the lid diagram. **If using an O2 or Orange UK PAYG SIM card, send this text message to the SIM card first before sending any other: ;+SPO=10;**

It prevents data loss if the unit is powered down and is only required if using O2 or Orange SIM cards.

ii) Power up & check the LED status is ready for programming

Switch on the power supply. The LED's flash in a particular way while starting up and then change when GSW2 is ready for use. Check that the LED's are as indicated below (READY) after about 30s - 1min. If not, see the LED indicators display notes below.

LED	STATUS (FLASHING)
BLUE (START UP)	SOLID

YELLOW (START UP)	FLASHES ONCE PER SECOND
RED (START UP)	FLASHES WHILE READING SIM CARD ONLY
BLUE (READY)	FLASHES TO INDICATE SIGNAL (1 LOW - 5 MAX.)
YELLOW (READY)	FLASHES ONCE PER 5 SECONDS
RED (READY)	OFF

iii) Set the minimum programming to test the intercom

REMEMBER: At this point, if using an 02 or Orange UK PAYG SIM card, send this text message first before any other: `;+SPO=10;` When you receive the reply of the same message, carry on as follows...

QUICK START GUIDE - MINIMUM SETTINGS

Follow these points exactly and your system will be ready to use. To add more settings such as additional number or Users, use the programming instructions below.

1. Insert an active SIM with credit
 2. Connect call button 1 wire to Input 1 & if you have 2 call buttons, call button 2 to input 2
 3. Connect the audio cable as shown above
 4. Power on the device
 5. Wait for the Blue LED to start flashing (you must get 3 flashes minimum) and the red goes off
 6. Send SMS `;+WMOD=12;` (you should get a reply the same)
 7. Send SMS `;+ATN1=xxxxxxxxxx;` where xxxxxxxxxxxx = the number to call (you should get a reply the same)
- NOTE: Enter a '+' symbol only after the very first ';' to get a confirmation reply text message*
8. Press the call button and the number above will be called
 9. Press 11 on your phone to switch the gate release relay

Programming Instructions

Set the numbers called by button 1 (INPUT 1)

```
;+ATN1=xxxxxxxxxx; where xxxxxxxxxxxx = the first phone number called
;+ATN2=xxxxxxxxxx; where xxxxxxxxxxxx = the second phone number called
...
;+ATN5=xxxxxxxxxx; where xxxxxxxxxxxx = the fifth phone number called
```

Set the numbers called by button 2 (INPUT 2)

```
;+BTN1=xxxxxxxxxx; where xxxxxxxxxxxx = the first phone number called
;+BTN2=xxxxxxxxxx; where xxxxxxxxxxxx = the second phone number called
...
;+BTN5=xxxxxxxxxx; where xxxxxxxxxxxx = the fifth phone number called
```

i) Set the inputs as call buttons or alarm inputs

The 2 inputs are alarm inputs by default. You must set at least one of them as a call button input in order to use the GSM intercom. The spare input can be used as an alarm input. Connecting any

type of alarm sensor to the input will trigger a text message to Administrators like a GSM alarm dialer.

If you are connecting a 2 button GSM intercom, there will be no spare inputs to use as alarm inputs.

Set INPUTS as Call Button inputs

;+WMOD=xx; where xx = the input number/s (1 and/or 2) ie: ;+WMOD=12; means INPUT 1 & 2 are call button inputs

Set INPUTS as SMS Alert inputs

;+WMOD=x; where x = nothing ie: ;+WMOD=; means INPUT 1 & 2 are both alert inputs.
;+WMOD=1; means only INPUT 2 is an alert input.

ii) You may wish to change some other optional parameters

;+RTNA=xx; where 'xx' = the delay time in seconds between calling numbers on button 1
;+RTNB=xx; where 'xx' = the delay time in seconds between calling numbers on button 2
;+LOT=xx; where 'xx' = the maximum time in seconds the call time will stay connected
;+OS1=xx; where 'xx' = the switching status of output 1 ('1' = latch) ('2' = 2 sec pulse) ('15' = 15 sec pulse)
;+OS1R=1; means the first call switches output on, the second call switches it off
;+OS2=xx; where 'xx' = the switching status of output 2 ('1' = latch) ('2' = 2 sec pulse) ('15' = 15 sec pulse)
;+SPK=xx; where 'xx' = the volume of the call point speaker 75 minimum - 100 maximum (default 80)

iii) Set up Caller ID access to control

You can set up to 200 authorised users into the system who are authorised to call the SIM card used, free of charge, to activate output 1. This is typically used to open a gate or barrier from the Users' mobile phones.

Send this text message to set Users:

;+CLP1=xxxxxxxxxxxx; where xxxxxxxxxxxx = User 1 phone number
;+CLP2=xxxxxxxxxxxx; where xxxxxxxxxxxx = User 2 phone number
...
;+CLP200=xxxxxxxxxxxx; where xxxxxxxxxxxx = User 200 phone number

Set up Caller ID access to control continued...

You can enter multiple Users by stringing the commands together separated with a ';' symbol as follows:

;+CLP1=xxxxxxxxxxxx;CLP2=xxxxxxxxxxxx;CLP3=xxxxxxxxxxxx;

To delete Users send the User command/s without a number as follows:

;+CLP1=;CLP2=;CLP3=;

Send this text message to check current Users:

;PCLP=x,x; where the first 'x' = the first User position in a range & the second 'x' = another position

ie: **;**PCLP=1,10; will return User positions 1 - 10

ie: **;**PCLP=45,69; will return User positions 45 - 69

ie: ;PCLP; will return all User positions 1 - 200 in multiple text messages

Depending on how many how many slots you request, you will receive multiple messages.

LED INDICATOR DISPLAY

The LED's are to indicate what is happening on the device at any given time.

i) **BLUE** GSM Network Signal Strength (1 Flash = Low Signal / 5 Flashes = Maximum Signal)

If the Blue is on solid, the device is not connected to the network. This indicates something is not right with the network. It will be antenna or SIM card related.

ii) **RED** Device / Connection / Network Fault

Red will flash during start up to indicate the processor is reading the SIM card. It should not be on at all during normal operation. If the Red is solid or flashing at any time other than the initial 30 - 60 seconds after power up while the device logs onto the network; you have a fault somewhere. Check you have sufficient signal as this is most common.

iii) **YELLOW** GSM Network (1 Flash/sec. = Registering & 1 Flash per 5 sec. = On Network)

The Yellow is only related to the Network initial registration & then reporting that the device is currently on the network. If the Yellow is not flashing once every 5 seconds, it is not on the Network.

TROUBLESHOOTING

If the device won't play, please check the following before calling for support as these are the most common faults.

i) I set the number for the system to call but it doesn't call when I press the button

Check you have sent the SMS to enable the input as a call button: ;+WMOD=1; (;+WMOD=12; for 2 button systems)

ii) I'm sending SMS to the device but it will not reply

Check you have credit on the SIM card, the blue LED is flashing and the red LED is not on at all. If red is on, check the signal, antenna or SIM card.

ii) I'm sending SMS to the device but it will not reply

Check you have credit on the SIM card, the blue LED is flashing and the red LED is not on at all. If red is on, check the signal, antenna or SIM card.

iii) The device won't register on the network ie: blue led does not flash and the red is on

If the red LED is on at all after around 30 seconds of normal boot up, check the antenna is connected OK and not damaged, check the SIM card actually works in a phone, try another network SIM, connect an external antenna (optional).

For more advanced features, including accessing the event log, see the '[Complete GSW2 Manual](#)'.

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