V2GSM

GSM Speech Dialler with Automation Control

PROGRAMMING AND INSTALLATION MANUAL

Pyronix®

www.pyronix.com

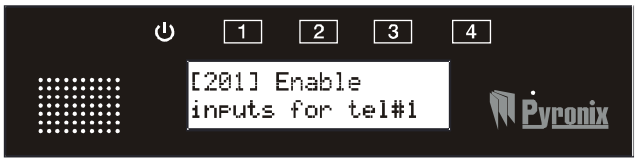
CE

RINS1323-8

EASY START GUIDE

Enter 2 0 1

Press the ✓ key and enter the inputs for input 1. Repeat for other inputs if required [201-209]



Enter 9 9 9

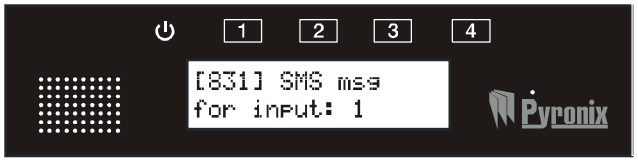
Press the ✓ key to exit the engineers mode.

Enter 1 2 3 4

This enters the user menu.

Enter 8 3 1

Enter the SMS messages for input 1. Repeat for all other inputs if required [831-844].



Enter 9 0 1

Program telephone number 1. Repeat for all other numbers if required [901-909].

Enter 9 3 1

Program the message types for the telephone numbers. Repeat for all other numbers if required [931-939].

Enter 9 9 9

Press the ✓ key to exit the user mode.

CHAPTER 1: CONTENTS PAGE

CHAPTER 2: INTRODUCTION

The V2 GSM is 2 way GSM audio communication and remote automation module. It can be used as a stand alone system or it can be connected to the programmable outputs of any control panel. It requires a SIM card to operate (on any network)

There are 6 inputs onboard. Input No 5 can be programmed as a system status input and Input No 6 can be programmed as an abort input. A remote 8 inputs expander (RIX) can be connected to the V2 GSM, giving a maximum of 14 inputs (including the 6 onboard).

There are 4 programmable outputs on-board. Up to 3 remote 16 relay output expanders (ROX) can be also connected to the V2 GSM giving a maximum of 52 outputs in total.

Up to 9 telephone numbers can be programmed, and either a voice message or SMS text maybe sent after activation.

The V2 GSM also has a user menu that can be accessed by dialling the V2 GSM directly (this is a mobile number that is supplied).

The V2 GSM has the following features:

- Call any telephone number (just like a mobile phone)
- Supports 2 way speech via the on board speaker and microphone
- Activate outputs (to turn on lights, open gates, etc)
    - Locally via the integrated keypad
    - Remotely via SMS or voice menu command
- Program voice messages (Up to 14, 1 for each alarm input)
- Program SMS messages (Up to 14, 1 for each alarm input)
- Send SMS or voice alerts to up to 9 different user phone numbers
- View the V2 event log (256 events, time and date)
- Remotely by phone operate the V2 using the built in voice menu:
    - Listen in
    - Talk and listen
    - Control output
    - Check the status of an external device that is connected to the V2 (for example system armed or disarmed)
- Remotely by SMS text commands operate the V2:
    - Change telephone number
    - Control outputs
    - Check the status of an external device that is connected to the V2 (for example system armed or disarmed)

The remote output activation facility can be used to control external devices such as lighting, heating, electronic gates and air conditioning etc.

CHAPTER 3: POWERING UP / ENGINEERS MENU

When the V2 GSM is powered up for the first time (after a SIM card has been installed) a message will be displayed stating it is the 'first time power up defaults'. Engineers' mode will then be automatically entered.

'First time power up defaults' will be displayed when the V2 GSM is powered up for the first time. Press ☑, the V2 GSM will then enter Engineers mode.

Engineers Mode:

If the display shows 'USER PROG. REQ.', this means that no telephone numbers or voice/SMS messages have been programmed in the user menu. To operate the user menu please see RINS1322 V2 GSM User Manual.

3.1 ENTERING THE ENGINEERS MODE

When the V2 GSM is fully operational in 'day mode'. Engineers mode can be entered as follows:

Enter the engineer's code (default 9999).

"**[100] PLAY/REC SYSTEM VOICE MESSAGES**" will be displayed

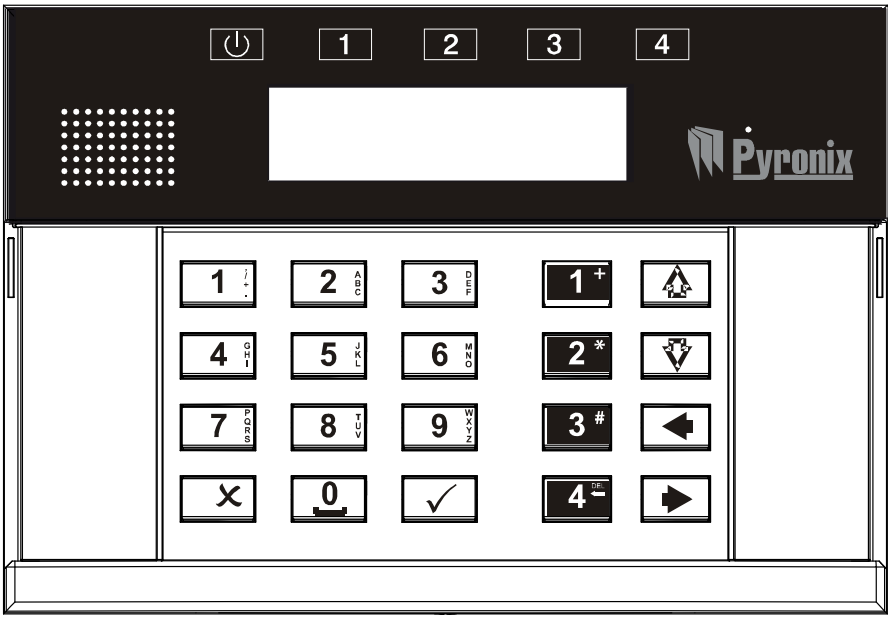
Use the ◄ and ► keys to scroll through the menus.

3.2 EXITING THE ENGINEERS MODE

To exit the engineer's menu, type in '999' or scroll to **'[999] QUIT/EXIT PROGRAMMING'**

Press the ☑ key

CHAPTER 4: OPERATING THE KEYPAD



The V2 GSM keypad incorporates 4 status LEDs positioned above the LCD display. They are numbered 1 to 4 and are used to show the status of the 4 on board outputs.

4.1 SCROLLING THROUGH MENUS

Once in the User or Engineer menu (see page 8), the main menus are scrolled through using the ◄ and ► keys.

	Press ►	
Main menu functions are displayed in capital letters	To scroll to the next main menu function	The next main menu function will be displayed. To go further press ►, or to go back press ◄

To enter a main menu function, press ✓ or ▽

Once in a main menu function, use the △ and ▽ keys to scroll through the sub-menu.

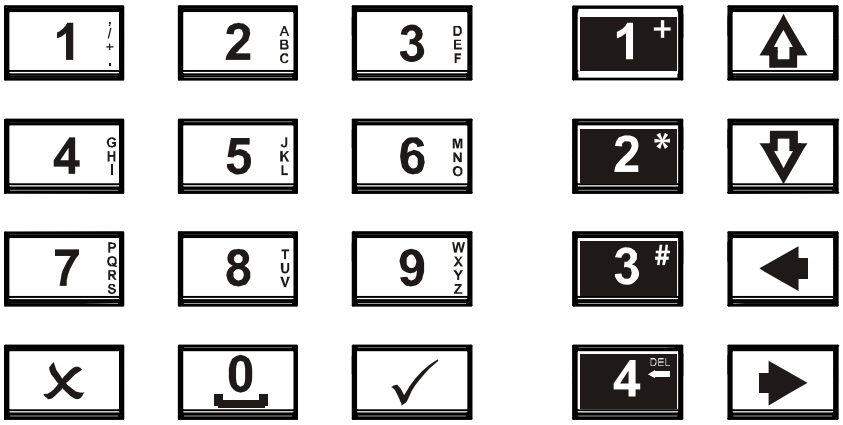
	Press ▽	
Sub-menu function are displayed in lower case letter	To scroll to the next sub-menu function	The next sub-menu function will be displayed. To go further press ▽ or to go back press △

To enter a sub-menu function, press ✓

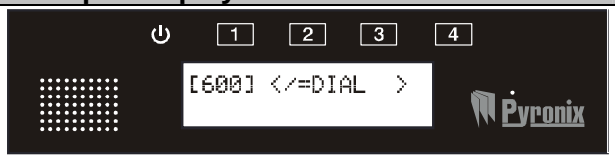
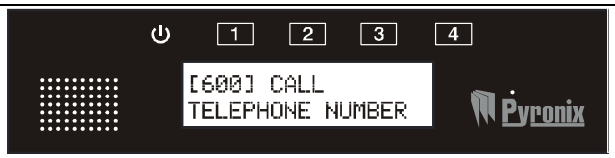
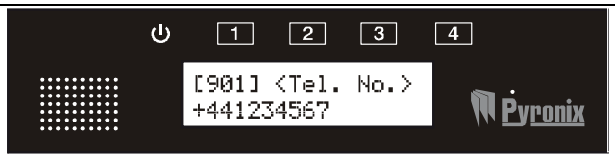
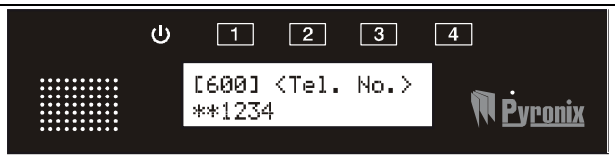
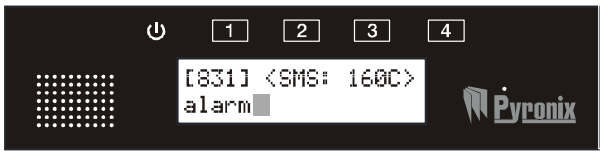
Press ✗ to exit a sub-menu, and to go back to the main menu functions,

Press ✗ again until a main menu function (in capital letters) is displayed.

4.2 ENTERING TEXT



The numeric keys above are used to enter the text onto the V2 GSM (for SMS texts).
For example to enter the letter 'Q'. The 7 key needs to be entered twice. The 0 key is used to enter a space.

Keys	Operation	Example Display
✓	Enters a function / starts a command	
✗	Exits a function / stops a command	
1 +	Activates output 1 Enters a '+' symbol before a telephone number if required.	
2 *	Activates output 2 Enters a '*' symbol when dialling a number if required.	
3 #	Activates output 3 Alternates between capitals and lower case Enters a '#' symbol when dialling a number if required.	
4 DEL	Activates output 4 Deletes the current character / number that the cursor is on	

△	Scrolls between sub-menu items Moves the character cursor to the end of a string	
▽	Scrolls between sub-menu items Moves the character cursor to the beginning of a string	
◀	Scrolls between main-menu items Moves the character cursor to the left	
▶	Scrolls between main-menu items Moves the character cursor to the right	

CHAPTER 5: V2 GSM PROGRAMMING

5.1 PLAY / RECORD SYSTEM VOICE MESSAGES [100]

Voice or SMS messages can be recorded for all system messages on the V2 GSM:

Low battery message = If the GSM voltage supply equipment battery drops below 11.5V a low battery message will be sent to the programmed telephone number (if enabled)

Battery restore message = Once the battery has been reconnected/recharged a message will be sent to the programmed telephone number (if enabled)

Test Message = A test call can be sent over a programmed period (if enabled) (function 175 page 17).

Jamming Message = A jamming call can be sent if a jamming signal has been received.

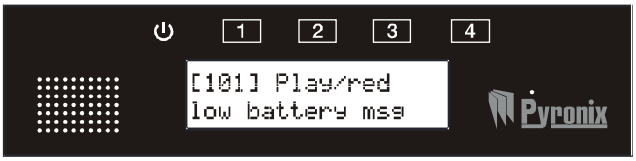
Jamming Restore Message = A jamming restore call can be sent if a jamming signal restore has been received.

A recording may be up to 12 seconds long.

Default = All system messages are disabled.

Press the ◄ or ► keys to scroll to '**PLAY/REC SYSTEM VOICE MESSAGES'** or enter '100'.	
Press ▼ to enter the function to enter the sub-menus. Press the ✓ key to enter a sub-menu.	

5.1.1 Play / Record Low Battery Message [101]

Press the ✓ key to play/record low battery messages See Section 5.1.4 On how to play/record/delete messages.	

5.1.2 Play / Record Battery Restore Message [102]

Press the ✓ key to play/record battery restore messages See Section 5.1.4 On how to play/record/delete messages.	

5.1.3 Play / Record Test Message [103]

Press the ✓ key to play/record test messages See Section 5.1.4 On how to play/record/delete messages.	

5.1.4 Play / Record Jamming Message [104]

Press the ✓ key to play/record jamming messages

See Section 5.1.4 On how to play/record/delete messages.

5.1.5 Play / Record Jamming Message [105]

Press the ✓ key to play/record jamming restore messages

See Section 5.1.4 On how to play/record/delete messages.

5.1.6 Playing / Recording / Deleting Messages (101,102,103,104,105)

Press:

1 = To play a message

4 = To record, 9 = To delete

1 - PLAY

To play an existing message, press 1. Press X to stop.

(If no recording exists, 'no recording' will be displayed.)

4 - RECORD

To record a message, press 4. After 3 seconds, the message can be recorded (the microphone is situated near the Pyronix logo). The message recording can be 12 seconds long or press X to stop the recording at anytime.

9 – DELETE

To delete a message, press 9

5.2 WRITE SMS SYSTEM MESSAGES [130]

SMS Messages can be recorded for all system messages on the V2 GSM:

Low battery message = If the GSM voltage supply equipment battery drops below 11.5V a low battery message will be sent to the programmed telephone number (if enabled)

Battery restore message = Once the battery has been reconnected/recharged a message will be sent to the programmed telephone number (if enabled)

Test Message = A test message can be sent over a programmed period (if enabled) (function 175, page 17).

Jamming Message = A jamming message can be sent if a jamming signal has been received.

Jamming Restore Message = A jamming restore message can be sent if a jamming signal restore has been received.

SMS text can be 160 characters.

Default = All system messages are disabled.

Press the ◄ or ► keys to scroll to '**WRITE SMS SYSTEM MESSAGES**' or enter '130'.

Press ▼ to enter the function to enter the sub-menus. Press the ✓ key to enter a sub-menu.

5.2.1 SMS low battery message [131]

SMS texts can be sent out to programmed mobile phone numbers (programmed in the user menu), up to 160 characters can be entered.

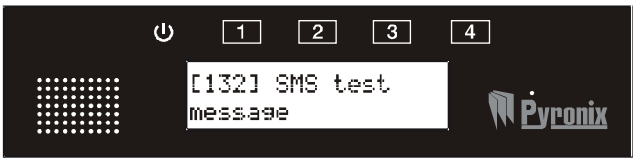
Press the ✓ key to enter a SMS low battery message.

See Section 5.2.6 On how to enter SMS messages

5.2.2 SMS test message [132]

Press the ✓ key to enter a SMS test message

See Section 5.2.6 On how to enter SMS messages



5.2.3 SMS battery restore message [133]

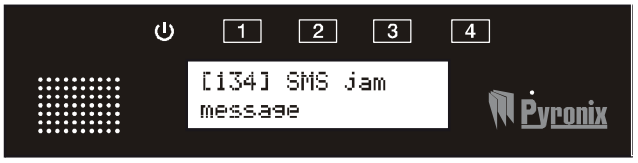
Press the ✓ key to enter a SMS bat. Restore message

See Section 5.2.6 On how to enter SMS messages

5.2.4 SMS jamming message [134]

Press the ☑ key to enter a SMS jamming message

See Section 5.2.6 On how to enter SMS messages



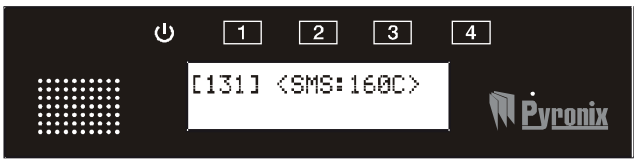
5.2.5 SMS battery restore message [135]

Press the ☑ key to enter a SMS jamming restore message

See Section 5.2.6 On how to enter SMS messages

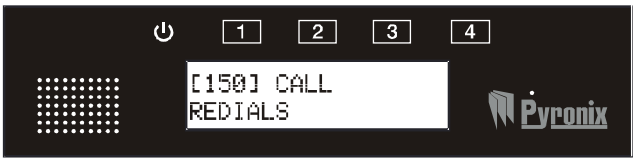
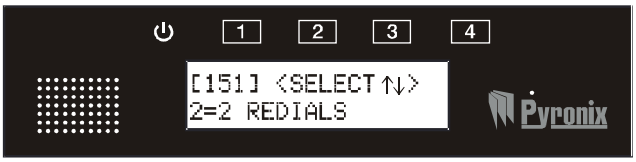
5.2.6 Entering SMS messages

Enter the text message using the relevant keys (see page 8 for help on entering text). A maximum of 160 characters may be used. Use the ◄ and ► keys to scroll between the characters. Press 3# to change from uppercase and lowercase. Press 4- to delete characters.



5.3 CALL REDIALS [150]

If the V2 GSM calls the user and the call is not answered, the V2 GSM can be programmed to redial each telephone number 9 times.

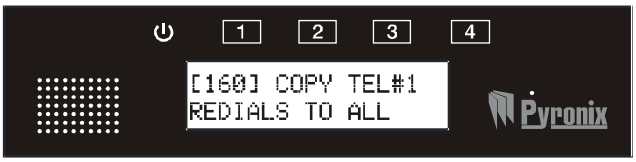
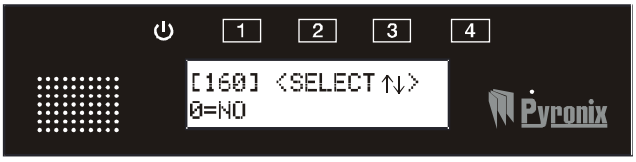
Press the ◄ or ► keys to scroll to '**CALL REDIALS'** or enter '150'.	
Press ▼ to enter the function to enter the sub-menu. Press the ✓ key to enter a sub-menu.	
Press ▼ or ▲ to choose the number of redials or select the number. 0 = 0 redials 1 = 1 redial 2 = 2 redials 3 = 3 redials = **Default** 4 = 4 redials 5 = 5 redials 6 = 6 redials 7 = 7 redials 8 = 8 redials 9 = 9 redials Press ✓	

Shortcut Function Numbers:

151: Redials for tel#1	**156:** Redials for tel#6
152: Redials for tel#2	**157:** Redials for tel#7
153: Redials for tel#3	**158:** Redials for tel#8
154: Redials for tel#4	**159:** Redials for tel#9
155: Redials for tel#5	

5.4 COPY NUMBER OF REDIALS FOR TEL#1 TO ALL [160]

This function is used to copy the number of redials programmed for telephone number 1, to all 9 other telephone numbers.

Press the ◄ or ► keys to scroll to '**COPY TEL#1 REDIALS TO ALL'** or enter '160'.	
Press ▼ or ▲ to choose between Yes or No or enter the number: 0 = No = **Default** 1 = Yes Press ✓	

5.5 IMMEDIATE NUMBER OF REDIALS [165]

This function enables the splitting of the number of calls made to the user if the users phone does not answer.

Example:

Program the Redials for telephone number#1 to 5 times.

Program the Immediate Number of Redials for telephone#1 to 3 times.

Program the Deferred Redial Delay Time for telephone#1 to 10 min.

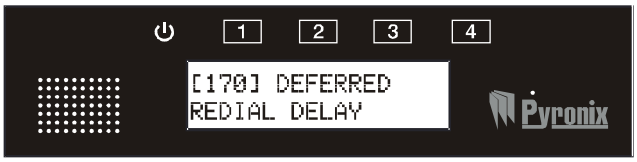
In event of alarm the user phone will be called. If the user does not answer the call the V2 will call up to 3 times one after another. After that will wait for 10 min. and call another 2 times again.

To disable this function make sure the number is programmed to “9”.

Press the ◄ or ► keys to scroll to **‘IMMEDIATE NO. OF REDIALS’** or enter ‘165’.	
Press ▼ or ▲ to choose between the number of immediate redials or select the number: 0 = 0 redials, 1 = 1 redial 2 = 2 redials 3 = 3 redials 4 = 4 redials, 5 = 5 redials 6 = 6 redials 7 = 7 redials 8 = 8 redials 9 = 9 redials **Default** Press ✓	

5.6 DEFERRED REDIAL DELAY [170]

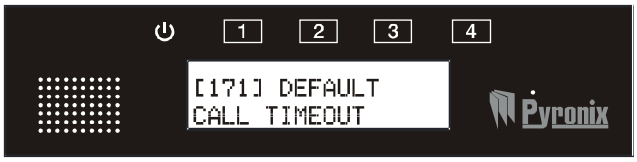
This function allows a programmed voice message delay of when to redial the telephone numbers. This voice message delay may be programmed up to 1 day.

Press the ◄ or ► keys to scroll to **‘DEFERRED REDIAL DELAY’** or enter ‘170’.	
Press ▼ or ▲ to choose between the time delay or select the number: 0 = 5 minutes = **Default,** 1 = 10 minutes, 2 = 30 minutes 3 = 1 hour, 4 = 3 hours 5 = 6 hours, 6 = 1 day Press ✓	

5.7 DEFAULT CALL TIMEOUT [171]

See IMMEDIATE NUMBER OF REDIALS [165]

Press the ◄ or ► keys to scroll to **'DEFAULT CALL TIMEOUT'** or enter '171'.



Press ▼ or ▲ to choose between the call timeout or select the number:

0 = 30 seconds = **Default**
1 = 60 seconds, 2 = 120 seconds
3 = 180 seconds
Press ✓

5.8 CALLING STRATEGY [172]

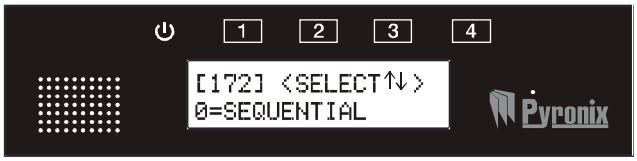
SEQUENTIAL = The V2 GSM will dial in sequence all numbers programmed for as many times as number of redials have been programmed for this number.

REPEAT CALLS = The V2 will call the same telephone number as many times as the number of redials programmed for this phone number before dialling the next number.

Press the ◄ or ► keys to scroll to 'CALLING STRATEGY' or enter '172'.

Press ▼ or ▲ to choose between Sequential or Repeat Calls or select the number:

0 = Sequential = **Default**
1 = Repeat calls
Press ✓



5.9 DIAL ALL NUMBERS [173]

If this function is enabled, all numbers programmed on each individual input will be dialled.

Press the ◄ or ► keys to scroll to 'DIAL ALL NUMBERS' or enter '173'.

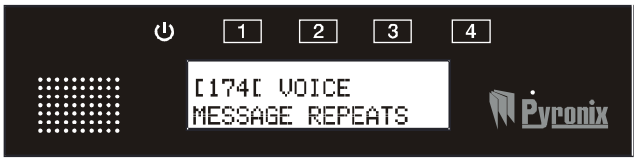
Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Default**
1 = Yes
Press ✓

5.10 VOICE MESSAGE REPEATS [174]

Voice messages can be repeated up to 9 times during a call if required.

Press the ◄ or ► keys to scroll to 'VOICE MESSAGE REPEATS' or enter '174'.



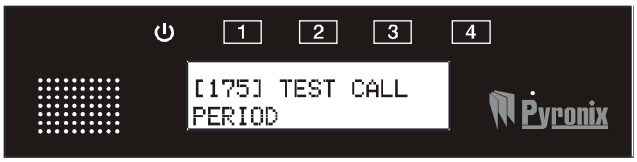
Press ▼ or ▲ to choose the number of repeats or select the number:

0 = 0 times, 1 = 1 time
2 = 2 times
3 = 3 times = **Default**
4 = 4 times, 5 = 5 times
6 = 6 times, 7 = 7 times
8 = 8 times, 9 = 9 times
Press ✓

5.11 TEST CALL PERIOD [175]

A test call will only be sent if there is a voice message or SMS programmed in the system (functions 103 and 122). The test call may be programmed daily, weekly, every 2 weeks or every 4 weeks.

Press the ◄ or ► keys to scroll to 'TEST CALL PERIOD' or enter '175'.



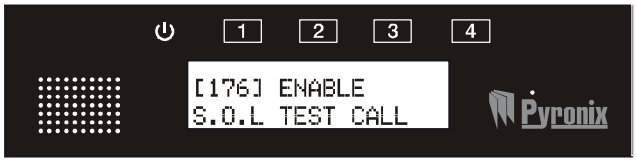
Press ▼ or ▲ to choose the test call period or select the number:

0 = Daily
1 = Weekly
2 = Every 2 weeks = **Default**
3 = Every 4 weeks. Press ✓

5.12 ENABLE S.O.L. TEST CALL [176]

A sign of life (SOL) test call will only be sent if no input activations have occurred during the SOL test call period.

Press the ◄ or ► keys to scroll to 'ENABLE S.O.L. TEST CALL' or enter '176'.



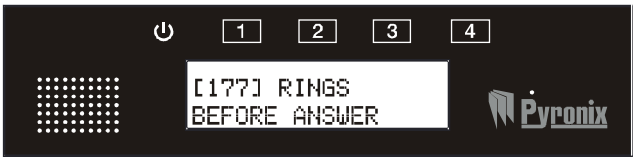
Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Defaul**t, 1 = Yes
Press ✓

5.13 RINGS BEFORE ANSWER [177]

The remote menu of the V2 GSM is accessed when the telephone number of the V2 GSM is dialled. The V2 GSM will only answer after it has recognised the programmed number of rings.

Press the ◄ or ► keys to scroll to 'RINGS BEFORE ANSWER' or enter '177'.



Press ▼ or ▲ to choose the number of rings or select the number:

0 = Disabled, 1 = 1 Ring
2 = 2 Rings,
3 = 3 Rings = **Default**
4 = 4 Rings, 5 = 5 Rings
6 = 6 Rings, 7 = 7 Rings
8 = 8 Rings, 9 = 9 Rings
Press ✓

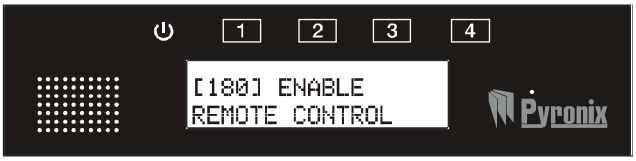
5.14 ENABLE REMOTE CONTROL [180]

If this function is enabled the 'remote control' menu is going to be accessible for a user.

The user can either access this by either dialling into the V2 GSM or pressing the '99' when a call is made and acknowledged by the user. For more info on this refer to the user manual.

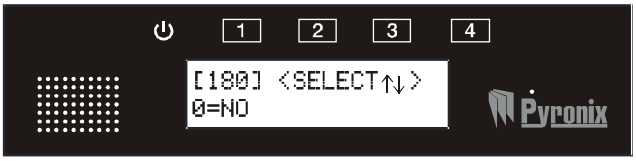
The remote control menu allows a user to listen in and talk into the property via the onboard speaker/microphone, or listen in/talk into the property via a remote speaker/microphone or control all outputs on the V2 GSM.

Press the ◄ or ► keys to scroll to 'ENABLE REMOTE CONTROL' or enter '180'.



Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No, 1 = Yes = **Default**
Press ✓

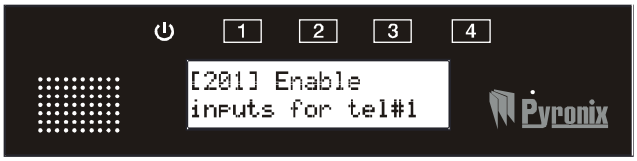


5.15 TELEPHONE NUMBER INPUT ALLOCATION [200]

This function is used to allocate the inputs for each telephone number, so when an input (or inputs) on the V2 GSM system activates, it will dial the programmed telephone number.

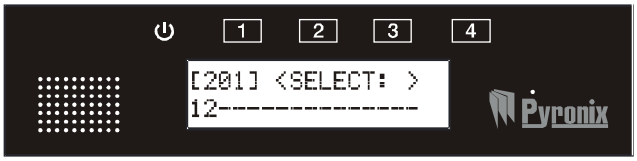
Press the ◄ or ► keys to scroll to 'TEL NUMBER INPUT ALLOCATION' or enter '200'.

Press ▼ or ▲ to choose the telephone number enter the function shortcut number (see below). Press ✓



Enter the individual inputs that, when activated will dial telephone number **Default = no allocations**

See below for the input mapping.



Shortcut function numbers:

201: Enables inputs for tel #1	**206:** Enables inputs for tel #6
202: Enables inputs for tel #2	**207:** Enables inputs for tel #7
203: Enables inputs for tel #3	**208:** Enables inputs for tel #8
204: Enables inputs for tel #4	**209:** Enables inputs for tel #9
205: Enables inputs for tel #5	

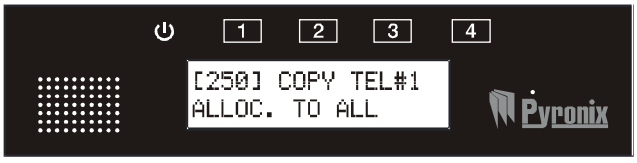
The inputs are selected by most of the keypad keys – the mapping is shown below:

Keys	Inputs	Display	Keys	Inputs	Display
1	Keypad Input 1	1	9	RIX Input Z3	9
2	Keypad Input 2	2	0	RIX Input Z4	0
3	Keypad Input 3	3	1	RIX Input Z5	A
4	Keypad Input 4	4	2	RIX Input Z6	B
5	Keypad Input 5	5	3	RIX Input Z7	C
6	Keypad Input 6	6	4	RIX Input Z8	D
7	RIX input Z1	7	◄	Low Battery Report	L
8	RIX Input Z2	8	►	Test Reporting	T

5.16 COPY TEL#1 ALLOCATION TO ALL [250]

It is possible to copy all telephone number 1 input allocations to all the rest of the telephone numbers by selecting function 250.

Press the ◄ or ► keys to scroll to 'COPY TEL#1 ALLOC/ TO ALL' or enter '250'.



Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Default**,

1 = Yes

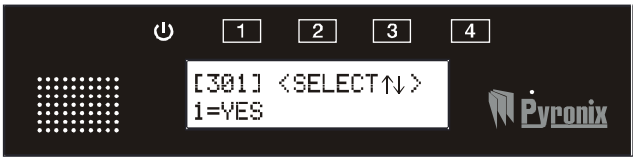
Press ✓

5.17 ENABLE CLIP FOR TEL# [300]

CLIP is used in conjunction with the output type 'CLIP Pulse' (function 660) to activate remotely outputs without having to wait for the V2 GSM to take the phone line.

For example:

If telephone number#1 is enabled for CLIP. and if an output#1 is programmed as 'CLIP pulse', then when that telephone number is recognised by dialling in and hanging up after one ring, the output#1 will pulse without the V2 GSM taking the phone line.

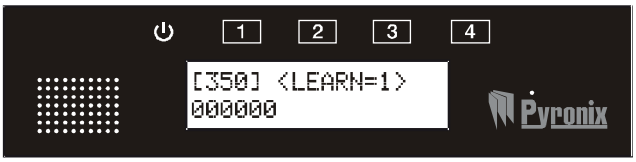
Press the ◄ or ► keys to scroll to 'ENABLE CLIP for TEL#' or enter '300'.	
Press ▼ or ▲ to choose the telephone number enter the function shortcut number (see below). Press ✓	
Press ▼ or ▲ to choose between Yes or No or select the number: 0 = No = **Default** 1 = Yes Press ✓	

Shortcut function numbers:

301: Enables CLIP inputs for tel #1	**306:** Enables CLIP inputs for tel #6
302: Enables CLIP inputs for tel #2	**307:** Enables CLIP inputs for tel #7
303: Enables CLIP inputs for tel #3	**308:** Enables CLIP inputs for tel #8
304: Enables CLIP inputs for tel #4	**309:** Enables CLIP inputs for tel #9
305: Enables CLIP inputs for tel #5	

5.18 AUTO LEARN INPUT STATUS 1-6 [350]

The V2 GSM system incorporates the facility to automatically learn the normal (not alarm) status the on-board inputs (the V2 GSM onboard inputs only, function not available the RIX inputs).

Press the ◄ or ► keys to scroll to 'AUTO LEARN INPUT STATUS 1-6' or enter '350'.	
The display will show the status of each input on the keypad (6 inputs) Press ✓	

5.19 PROGRAM INPUT STATUS [400]

Each of the 6 inputs onboard the V2 GSM can be programmed to be either normally open, normally high, normally low or a voltage trigger.

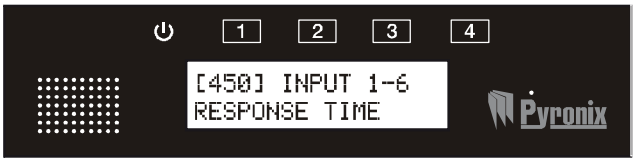
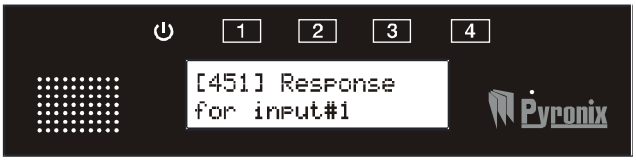
Press the ◄ or ► keys to scroll to 'PROGRAM INPUT STATUS' or enter '400'.	
Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below). Press ✓	
Press ▼ or ▲ to choose between the input status, or select the number: 0 = Disabled 1 = Normally Open = **Default** 2 = Normally Low 3 = Normally High 4 = Voltage Trigger Press ✓	

Shortcut function numbers:

ONBOARD INPUTS
401: Program status for inp#1
402: Program status for inp#2
403: Program status for inp#3
404: Program status for inp#4
405: Program status for inp#5
406: Program status for inp#6
INPUTS ON THE INPUT EXPANDER
407: Program EXP. input#7
408: Program EXP. input#8
409: Program EXP. input#9
410: Program EXP. input#10
411: Program EXP. input#11
412: Program EXP. input#12
413: Program EXP. input#13
414: Program EXP. input#14

5.20 INPUT 1-6 RESPONSE TIME [450]

This is the response time it will take for an input to activate (can only be programmed for the V2 GSM onboard inputs only, function not available for the RIX inputs).

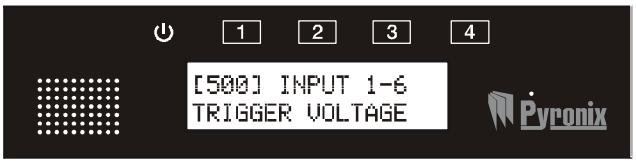
Press the ◄ or ► keys to scroll to 'INPUT 1-6 RESPONSE TIME' or enter '450'.	
Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below). Press ✓	
Press ▼ or ▲ to choose the response time or select the number: 0 = 300ms = **Default** 1 = 5 seconds, 2 = 30 seconds 3 = 60 seconds, 4 = 3 hours 5 = 6 hours, 6 = 12 hours 7 = 24 hours, 8 = 1 week 9 = 2 weeks, Press ✓	

Shortcut Function Numbers:

451: Response for input#1	**454:** Response for input#4
452: Response for input#2	**455:** Response for input#5
453: Response for input#3	**456:** Response for input#6

5.21 INPUT 1-6 TRIGGER VOLTAGE [500]

This function sets the trigger voltage for each individual input (the V2 GSM onboard inputs only, function not available for the RIX inputs).

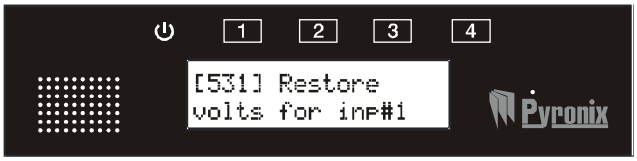
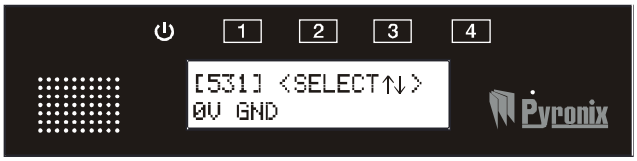
Press the ◄ or ► keys to scroll to 'INPUT 1-6 TRIGGER VOLTAGE' or enter '500'.	
Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below). Press ✓	
Press ▼ or ▲ to choose the trigger voltage. The choices range from 0V and then increases in 0.5V to 15V. Press ✓	

Shortcut Function Number:

501: Trigger volts for inp#1	**504:** Trigger volts for inp#4
502: Trigger volts for inp#2	**505:** Trigger volts for inp#5
503: Trigger volts for inp#3	**506:** Trigger volts for inp#6

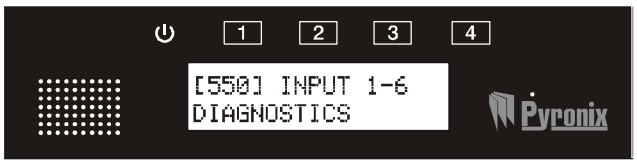
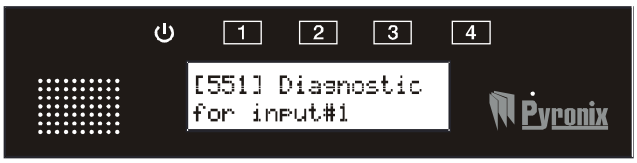
5.22 INPUT 1-6 RESTORE VOLTAGE [530]

This function sets the restore voltage for each individual input (the V2 GSM onboard inputs only, function not available the RIX inputs).

Press the ◄ or ► keys to scroll to 'INPUT 1-6 RESTORE VOLTAGE' or enter '530'.	
Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below). Press ✓	
Press ▼ or ▲ to choose the restore voltage. The choices range from 0V and then increases in 0.5V to 15V. Press ✓	

5.23 INPUT 1-6 DIAGNOSTICS [550]

This displays the status of the 6 inputs onboard the V2 GSM.

Press the ◄ or ► keys to scroll to 'INPUT 1-6 DIAGNOSTICS' or enter '550'.	
Press ▼ or ▲ to choose the input number or enter the function shortcut number (see below). Press ✓	
The display shows the voltage of the current status of the input. Press ✓	

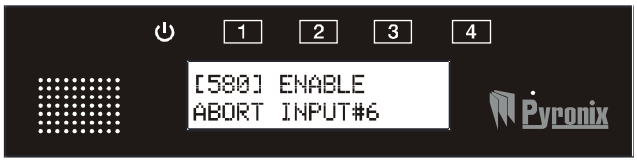
Shortcut Function Numbers:

551: Diagnostic for input#1
552: Diagnostic for input#2
553: Diagnostic for input#3
554: Diagnostic for input#4
555: Diagnostic for input#5
556: Diagnostic for input#6

5.24 ENABLE ABORT INPUT#6 [580]

This function enables the abort option which can be used on Input 6 of the V2 GSM. If this input is activated, all dialling sequences will be aborted.

Press the ◄ or ► keys to scroll to 'ENABLE ABORT INPUT # 6' or enter '580'.



Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No

1 = Yes = **Default**

Press ✓

5.25 ENABLE STATUS INPUT #5 [581]

This function enables input 5 to be able to determine the status of an external device which is connected to the V2 GSM (for example an intruder alarm control panel). If enabled input 5 will detect the status changes.

Example:

Arming or disarming of the control panel but no messages will be sent to the user. To check the status the user needs to call the V2 GSM and via the voice menu interrogate the input (for example if used with an alarm panel the user will be given the information ARMED or DISARMED).

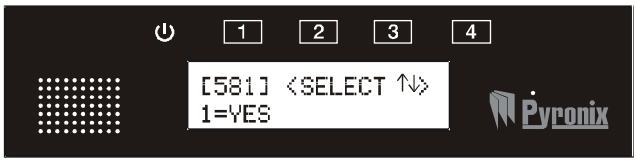
Press the ◄ or ► keys to scroll to 'ENABLE STATUS INPUT # 5' or enter '580'.

Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No

1 = Yes = **Default**

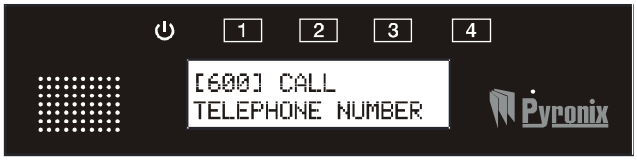
Press ✓



5.26 CALL TELEPHONE NUMBER [600]

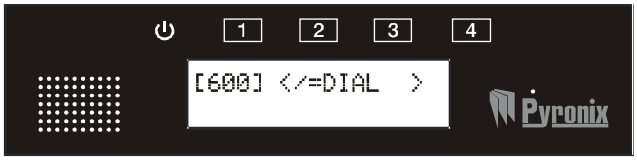
This function is used to call any telephone number if required.

Press the ◄ or ► keys to scroll to 'CALL TELEPHONE NUMBER' or enter '600'.



Enter the telephone number to dial and press ✓. Press ✗ to end the call.

(for certain dialling sequences, a '*' or a '#' symbol may need to be used (enter 2* or 3#)



5.27 SET SIM-CARD SECRET PIN [601]

Press the ◄ or ► keys to scroll to 'SET SIM CARD SECRET PIN' or enter '601'.

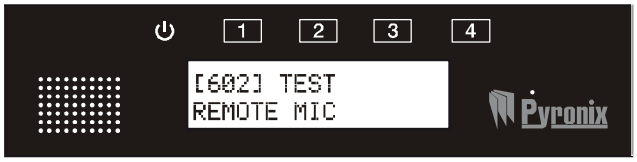
Enter the new pin, or to delete press the 4 key.

Press ✓.

5.28 TEST REMOTE MICROPHONE [602]

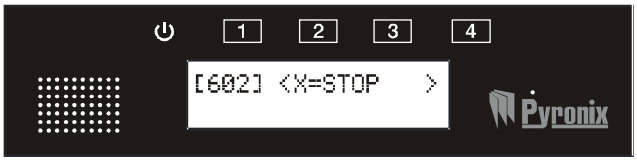
This tests the remote microphone if one is connected to the V2 GSM.

Press the ◄ or ► keys to scroll to 'TEST REMOTE MIC' or enter '602'.



The V2 GSM is now testing the Microphone.

Press ✗ to stop the test.



5.29 TEST REMOTE SPEAKER [603]

This tests the remote speaker if one is connected to the V2 GSM.

Press the ◄ or ► keys to scroll to 'TEST REMOTE SPEAKER' or enter '603'.

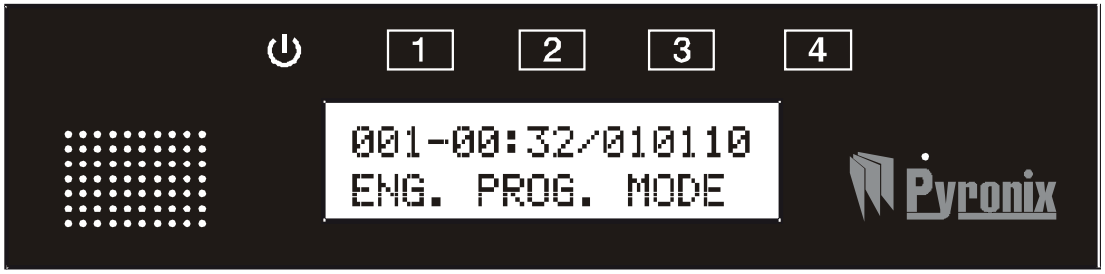
The V2 GSM is now testing the remote speaker.

✗ to stop the test.

5.30 VIEW EVENT LOG [604]

All events that occur are recorded in the event log.

The V2 GSM display will show all information in order, starting at the most recent event.

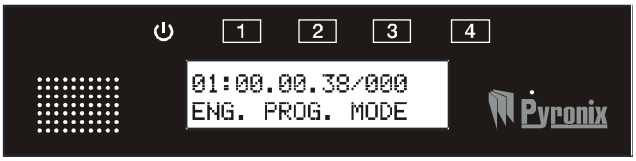


The above display shows the following:

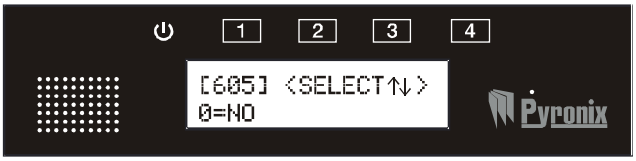
001 = Event number (up to 256, time and date)

00:32 = Time

010110 = Date (DD:MM:YY)

Press the ◄ or ► keys to scroll to 'VIEW EVENT LOG' or enter '604'.	
Press ▼ or ▲ to scroll back and forth through the log. Press the ► key to jump to the last event. Press ✓ to exit.	

5.31 ERASE EVENT LOG [605]

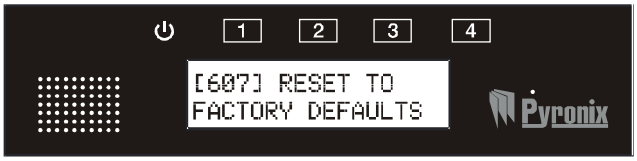
Press the ◄ or ► keys to scroll to 'ERASE EVENT LOG' or enter '605'.	
Press ▼ or ▲ to select 'Yes' and the press ✓ to erase all the log.	

5.32 CHANGE ENGINEER CODE [606]

Press the ◄ or ► keys to scroll to 'CHANGE ENGINEER CODE' or enter '606'.	
Enter the new engineer code and press ✓. **Default Engineer Code = 9999**	

5.33 RESET TO FACTORY DEFAULTS [607]

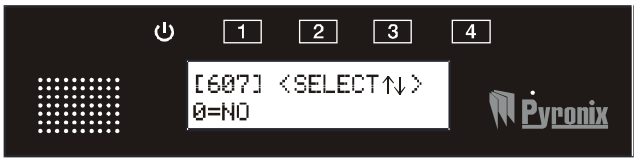
Press the ◄ or ► keys to scroll to 'RESET TO FACTORY DEFAULTS' or enter '607'.



Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Default**

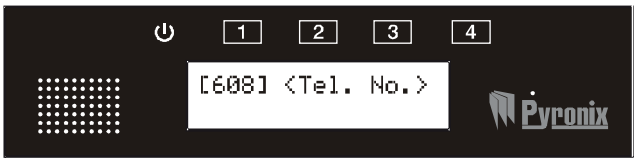
1 = Yes. Press ✓



5.34 SIM TELEPHONE NUMBER [608]

Press the ◄ or ► keys to scroll to 'SIM TELEPHONE NUMBER' or enter '608'. **NOTE: This is used to enable the V2 time and date**

Enter the SIM telephone number, press ✓.



5.35 ENABLE JAMMING DETECT [609]

Jamming detect can only work if 2 x V2 GSMs are installed to work in conjunction with each other. The V2 GSMs will then need to be assigned 'Master' and 'Slave'.

The jamming feature works by the V2 GSM 'Slave' calling the Master after a programmed time (see 5.37 jamming time window). If the Master receives the call successfully, operation is continued as normal. . Please note when a successful call is made from the Slave to the Master, it is a non-chargeable call.

If a jamming signal does occur on the slave V2 then the master will make a jamming message call, or that the Master has lost its power, a call will be charged to the SIM card of the 'Slave' every time it tries to call the Master. Please see the disclaimer message on page 44. If the Master hasn't received a call from the Slave, a jamming message/call will be sent. (see 'Play/Rec Jamming Message' on page: 11)

Please note to enable this 'Test Calling' must be enabled on an input (see 'Tel Number Input Allocation' on page 19).

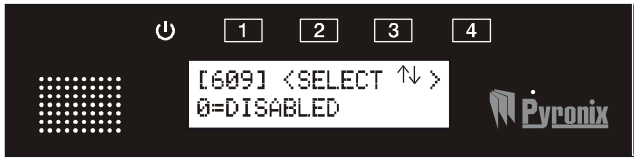
Press the ◄ or ► keys to scroll to 'ENABLE JAMMING DETECT' or enter '609'.

Press ▼ or ▲ to choose between Yes or No or select the number:

0 = Disabled = **Default**

1 = Master 2 = Slave

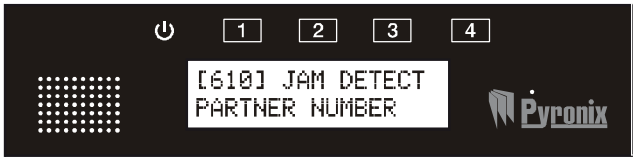
Press ✓



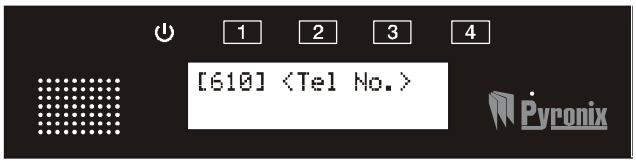
5.36 JAM DETECT PARTNER NUMBER [610]

This is the telephone number of the 2nd V2 GSM on site.

Press the ◄ or ► keys to scroll to 'JAM DETECT PARTNER NUMBER' or enter '610'.



Enter the partner telephone number, press ✓.



5.37 JAM DETECT TIME WINDOWJAM DETECT TIME WINDOW [611]

The jamming time window allows test calls every 30 minutes, 1 hour, 2 hours, 12 hours or 24 hours.

Press the ◄ or ► keys to scroll to 'JAM DETECT TIME WINDOW' or enter '611'.

Press ▼ or ▲ to choose the response time or select the number:

0 = 30 minutes = **Default**
1 = 1 hour, 2 = 2 hours
3 = 12 hours, 4 = 24 hours
Press ✓

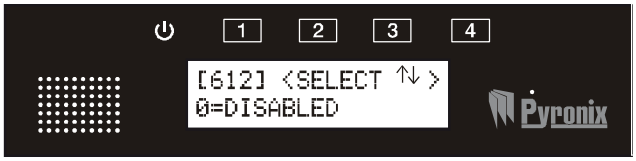
5.38 FORWARD LOW CREDIT SMS [612]

This is when the SIM card network sends a warning call of low credit to the chosen telephone number (1-9).

Press the ◄ or ► keys to scroll to 'FORWARD LOW CREDIT SMS' or enter '612'.

Press ▼ or ▲ to choose between Yes or No or select the number:

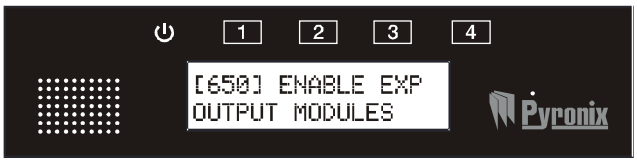
0 = Disabled = **Default**
1 = Tel No 1, 2 = Tel No 2
3 = Tel No 3, 4 = Tel No 4
5 = Tel No 5, 6 = Tel No 6
7 = Tel No 7, 8 = Tel No 8
9 = Tel No 9. Press ✓



5.39 ENABLE EXPANDER OUTPUT MODULES [650]

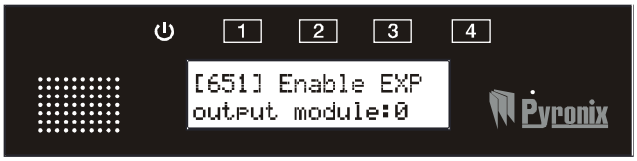
Up to 3 output modules (ROX, 16 relay outputs) can be installed on the V2 GSM. Each ROX that is connected need to be enabled in this function.

Press the ◄ or ► keys to scroll to 'ENABLE EXP OUTPUT MODULES' or enter '650'.



Press ▼ or ▲ to select the output module that is to be enabled or enter the function shortcut number (see below).

Press ✓



Press ▼ or ▲ to choose between Yes or No or select the number:

0 = No = **Default**

1 = Yes

Press ✓

Shortcut Function Numbers:

651: Enable EXP output module:0	**653:** Enable EXP output module:2
652: Enable EXP output module:1	

5.40 PGM 1-4 OUTPUT FUNCTIONS [660]

The 4 onboard outputs can be programmed for either:

Keypad/Remote Latched: These will enable the user to trigger outputs 1-4 by pressing for 2 seconds the dedicated keys 1 to 4.

Keypad/Remote Pulsed: These will enable the user to trigger outputs 1-4 by pressing for 2 seconds the dedicated keys 1 to 4, or to activate them remotely by calling the V2 and using the user voice menu. The time of the pulse is programmable in option 680, PGM Output Timers.

Follow Input: Used in conjunction with 'PGM output timers' (Function 680), the output will activate when a chosen input is activated.

Follow GSM Fault: Output activates when there is a GSM fault on the system.

Follow Low Battery: Output activates when there is 11.5v low battery detection on the system.

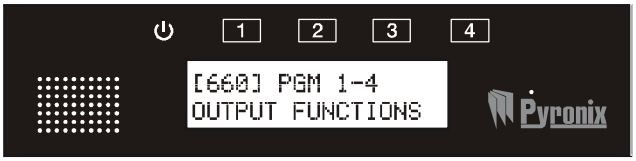
Follow Expander Tamper: Output activates if there is an expander tamper activated either on the remote input expander or the remote output expander.

Acknowledge Pulse: Output pulses for 1 sec when an acknowledgement is received after an alarm call to the user.

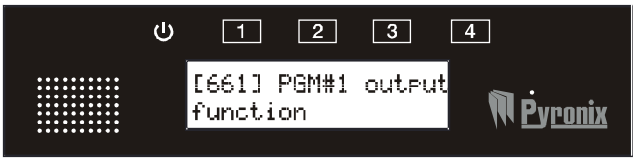
No Call Acknowledge: Output activates when no acknowledgement is received after an alarm call to the user.

CLIP Pulse: Output activates for 1 sec when the V2 GSM recognises a telephone number being dialled without V2 answering the call.

Press the ◄ or ► keys to scroll to 'PGM 1-4 OUTPUT FUNCTIONS' or enter '660'.

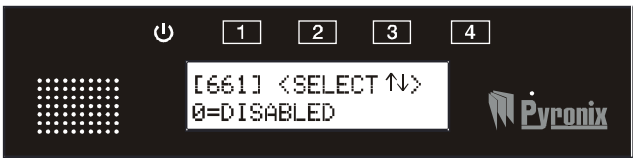


Press ▼ or ▲ to select the output number enter the function shortcut number (see below).. Press ✓



Press ▼ or ▲ to choose between the options or select the number:

0 = Disabled
1 = KPD/REM latched = **Default**
2 = KPD/REM pulsed
3 = Follow input
4 = Follow GSM Fault
5 = Follow low battery
6 = Follow exp. tamper
7 = Ack. pulse
8 = No call acknowledgement
9 = CLIP pulse
Press ✓



Shortcut Function Numbers:

661: PGM#1 output function	**662:** PGM#3 output function
662: PGM#2 output function	**662:** PGM#4 output function

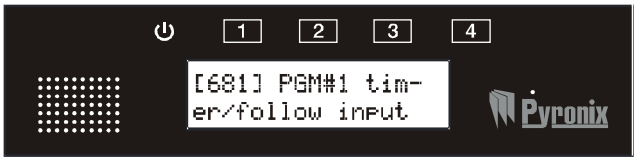
5.41 PGM 1-4 OUTPUT TIMERS [680]

This function is used in conjunction with function 660 and any outputs that are programmed as either 'follow input' or a pulsed output (the V2 GSM onboard outputs only, function not available the ROX inputs).

Press the ◄ or ► keys to scroll to 'PGM OUTPUT TIMERS' or enter '680'.

Press ▼ or ▲ to select the PGM number enter the function shortcut number (see below).

Press ✓

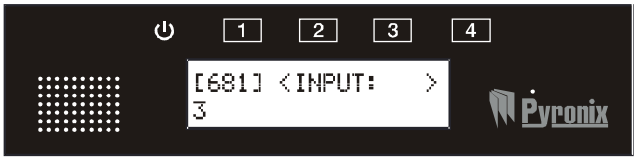


Use the ▼ or ▲ to select the Input number or the output timer.

Inputs: 1-14 (default 1)

Output timer:

0 = Disabled = **Default**
1 = 5 seconds
2 = 15 seconds
3 = 60 seconds
4 = 1 hour
5 = 3 hours
6 = 12 hours
7 = 24 hours
8 = 1 week
9 = 2 weeks
press ✓

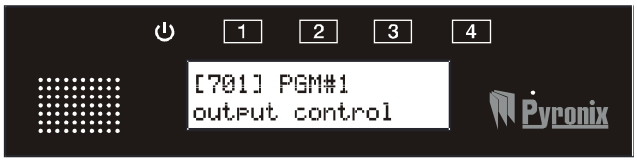


Shortcut Function Numbers:

681: PGM#1 timer/follow input	**683:** PGM#3 timer/follow input
682: PGM#2 timer/follow input	**684:** PGM#4 timer/follow input

5.42 OUTPUT CONTROL [700]

This function is used to activate any output on the V2 GSM, whether that is the 4 on board, or any of the remote outputs on the expanders.

Press the ◄ or ► keys to scroll to 'OUTPUT CONTROL' or enter '700'.	
Press ▼ or ▲ to select the PGM number (up to 52) Press ✓	
Press ▼ or ▲ to turn the output on or off or select the number: 0 = Output off = Default 1 = Output On Press ✓	

Shortcut Function Numbers:

701: PGM#1 output control	**773:** PGM#23 EXP output control
702: PGM#2 output control	**774:** PGM#24 EXP output control
703: PGM#3 output control	**775:** PGM#25 EXP output control
704: PGM#4 output control	**776:** PGM#26 EXP output control
ADDRESS 0	**777:** PGM#27 EXP output control
751: PGM#1 EXP output control	**778:** PGM#28 EXP output control
752: PGM#2 EXP output control	**779:** PGM#29 EXP output control
753: PGM#3 EXP output control	**780:** PGM#30 EXP output control
754: PGM#4 EXP output control	**781:** PGM#31 EXP output control
755: PGM#5 EXP output control	**782:** PGM#32 EXP output control
756: PGM#6 EXP output control	**ADDRESS 2**
757: PGM#7 EXP output control	**783:** PGM#33 EXP output control
758: PGM#8 EXP output control	**784:** PGM#34 EXP output control
759: PGM#9 EXP output control	**785:** PGM#35 EXP output control
760: PGM#10 EXP output control	**786:** PGM#36 EXP output control
761: PGM#11 EXP output control	**787:** PGM#37 EXP output control
762: PGM#12 EXP output control	**788:** PGM#38 EXP output control
763: PGM#13 EXP output control	**789:** PGM#39 EXP output control
764: PGM#14 EXP output control	**790:** PGM#40 EXP output control
765: PGM#15 EXP output control	**791:** PGM#41 EXP output control
766: PGM#16 EXP output control	**792:** PGM#42 EXP output control
ADDRESS 1	**793:** PGM#43 EXP output control
767: PGM#17 EXP output control	**794:** PGM#44 EXP output control
768: PGM#18 EXP output control	**795:** PGM#45 EXP output control
769: PGM#19 EXP output control	**796:** PGM#46 EXP output control
770: PGM#20 EXP output control	**797:** PGM#47 EXP output control
771: PGM#21 EXP output control	**798:** PGM#48 EXP output control
772: PGM#22 EXP output control	

CHAPTER 6: USER MENU PROMPTS

The V2 GSM is pre-programmed with default prompts for the user menu (this is when a user will receive a phone call from the V2 GSM or dials in directly to the V2 GSM – if 'remote control' is enabled). Each prompt can be changed by a 'hidden' menu that is only accessible via the function numbers (not via scrolling through the engineer menu)

IMPORTANT: IF NEW MESSAGES ARE RECORDED, THE DEFAULT RECORDINGS WILL BE ERASED PERMANENTLY.

6.1 USER MENU PROMPTS

6.1.1 Play/Record Voice Prompt: 1 [111]

"Enter your user code."

To change the above message, enter '111' press ☑

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.2 Play/Record Voice Prompt: 2 [112]

"Enter your command number or press nine for help."

To change the above message, enter '112'

Press ☑

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.3 Play/Record Voice Prompt: 3 [113]

"Press one to listen, Two to talk and listen, Three to control output, Four for system status, or press Zero to hang up"

To change the above message, enter '113'

Press ✓

1 = To play a message

4 = To record

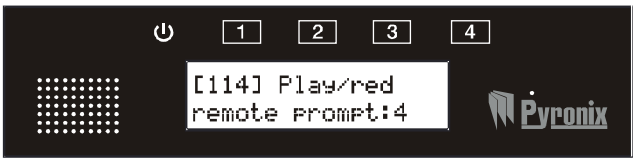
9 = To delete

The message can only be 10 seconds

6.1.4 Play/Record Voice Prompt: 4 [114]

"Enter the output number"

To change the above message, enter '114' press ✓



1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.5 Play/Record Voice Prompt: 5 [115]

"Press one to turn on, zero to turn off "

To change the above message, enter '115' press ✓

1 = To play a message

4 = To record

9 = To delete

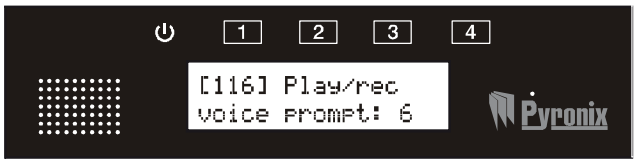
The message can only be 5 seconds

6.1.6 Play/Record Voice Prompt: 6 [116]

"Output on"

To change the above message, enter '116'

Press ✓



1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.7 Play/Record Voice Prompt: 7 [117]

"Output off"

To change the above message, enter '117' press ✓

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.8 Play/Record Voice Prompt: 8 [118]

"Goodbye"

To change the above message, enter '118' press ✓

1 = To play a message

4 = To record

9 = To delete

The message can only be 5 seconds

6.1.9 Play/Record Voice Prompt: 9 [119]

"Enter your call acknowledgement code now"

To change the above message, enter '119' press ✓

1 = To play a message

4 = To record

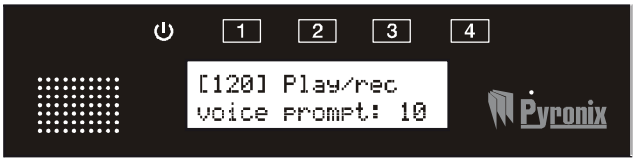
9 = To delete

The message can only be 5 seconds

6.1.10 Play/Record Voice Prompt: 9 [120]

"System Disarmed"

To change the above message, enter '120' press ✓



1 = To play a message

4 = To record

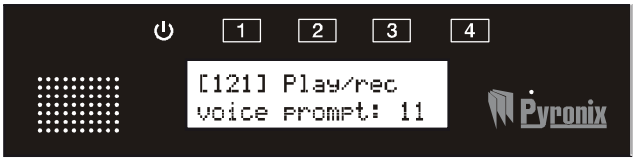
9 = To delete

The message can only be 5 seconds

6.1.11 Play/Record Voice Prompt: 9 [121]

"System Armed"

To change the above message, enter '121' press ✓



1 = To play a message

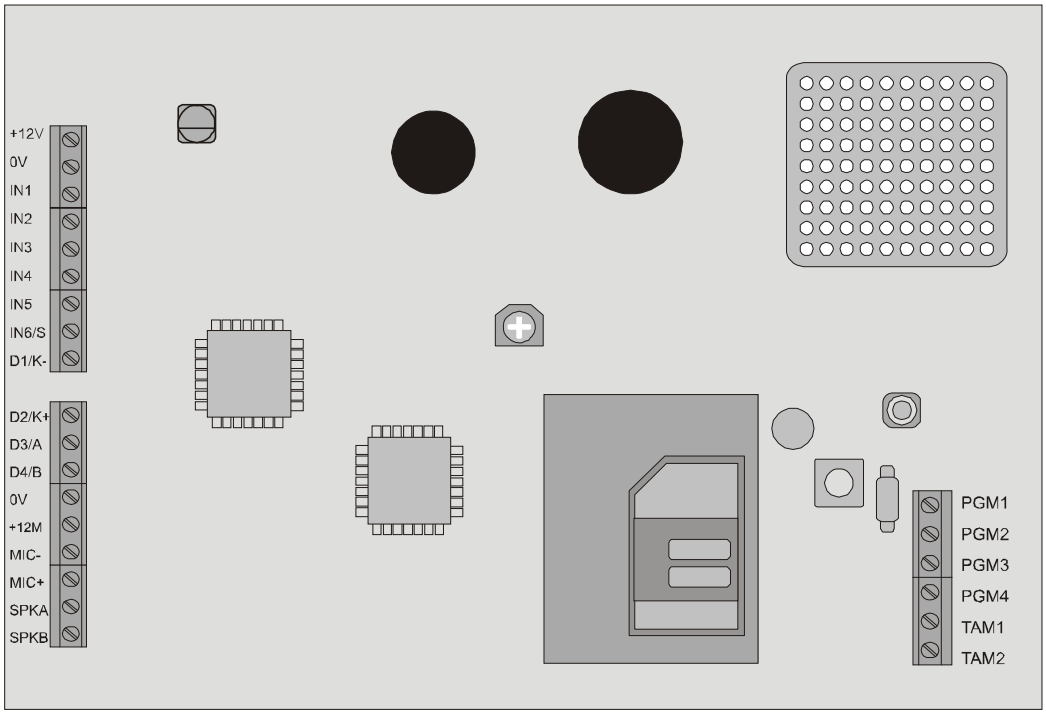
4 = To record

9 = To delete

The message can only be 5 seconds

CHAPTER 7: INSTALLATION SECTION

7.1 THE V2 GSM PRINTED CIRCUIT BOARD



Terminals	***Description***	***Terminals***	***Description***
+12V	+12v Auxiliary Supply	**0V**	0V Auxiliary Supply
0V	0V Auxiliary Supply	**+12M**	Microphone Connection
IN1	Input 1	**MIC-**	0V Microphone Supply
IN2	Input 2	**MIC+**	+12V Microphone Supply
IN3	Input 3	**SPKA**	Speaker Connection
IN4	Input 4	**SPKB**	Speaker Connection
IN5	Input 5	**PGM1**	PGM 1
IN6/S	Input 6 / Abort Input	**PGM2**	PGM 2
D1/K-	0V Auxiliary Supply	**PGM3**	PGM 3
D2/K+	+12V Auxiliary Supply	**PGM4**	PGM 4
D3/A	RS485 'A' Data Bus	**TAM1**	Tamper Terminals
D4/B	RS485 'B' Data Bus	**TAM2**	

7.1.1 System Overview:

Inputs:	*Onboard*	6 inputs
	Remote (PCX-RIX8): *Max devices:*	8 inputs 1 x PCX-RIX8 (input module)
	Maximum inputs:	14 inputs
Outputs	*On board*	4 outputs
	Remote (PCX-ROX16R) *Max devices:*	16 outputs 3 x PCX-ROX16R (output module)
	Maximum outputs:	52 outputs
Speakers	*Onboard*	1 speaker
	Remote	1 x speaker max
Microphones	*Onboard*	1 microphone
	Remote	1 x microphone max

7.2 TECHNICAL SPECIFICATION

Voltage range: 10-14.9V DC

Quiescent current draw: 200mA

Maximum current draw: 800mA (average)

PGM1-4 (open-collector transistor outputs): 500mA max. each (500mA total)

Input voltage range: 0-15V DC - inputs have 39K resistor to 0V and 47K

to positive supply

Input trigger thresholds: Low=0-3.9V DC, high=8-12V DC @ 12V supply

Internal speaker: 500mW

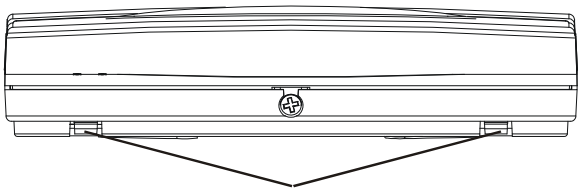
External speaker: 1W @ 16 Ohms

External microphone supply: 250mA max.

Temperature: -20 to +40'C (operational)

7.3 OPENING THE V2 GSM

- Loosen the screw on the underside of the V2 GSM.
- Insert a wide flat-head screw-driver into each of the two lugs on the underside of the V2 GSM (as shown below).

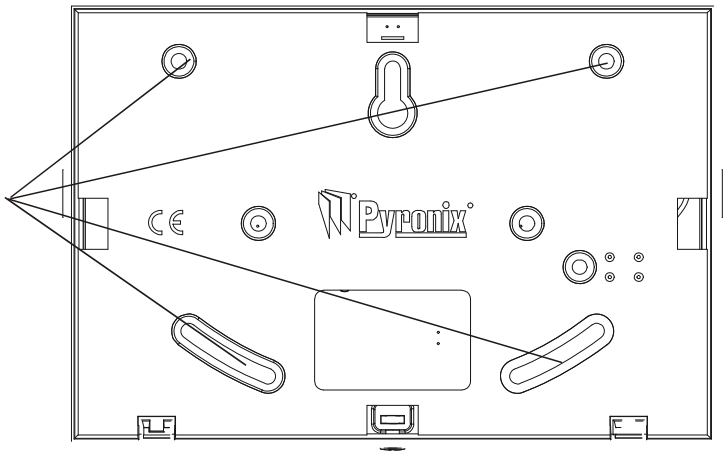


(Bottom of V2 GSM)

- Lever the screwdriver and push the lugs inwards and pull the back of the V2 GSM away from the front.

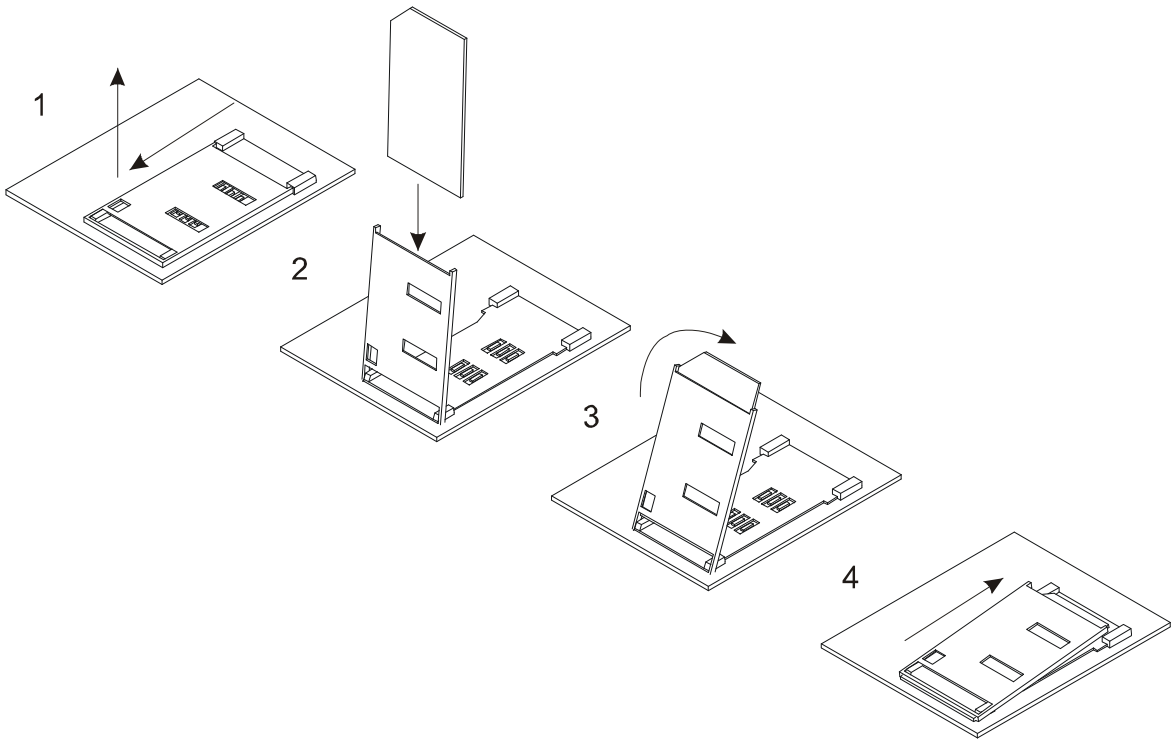
7.4 SCREW MOUNTING HOLES

Screw Holes



7.5 INSTALLING A SIM-CARD

Before the V2 GSM is operational, a SIM card needs to be present. This can either be a pay as you talk SIM card, or a pay monthly one.



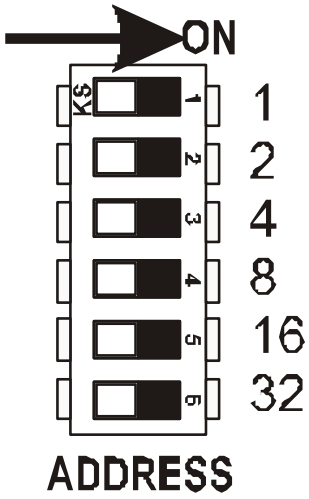
- Step 1: Slide the SIM card holder down, and rotate it upwards
- Step 2: Guide the SIM card down the guides of the holder till it stops
- Step 3: Rotate the holder back down to its original position
- Step 4: Push the SIM card holder upwards and click in place.

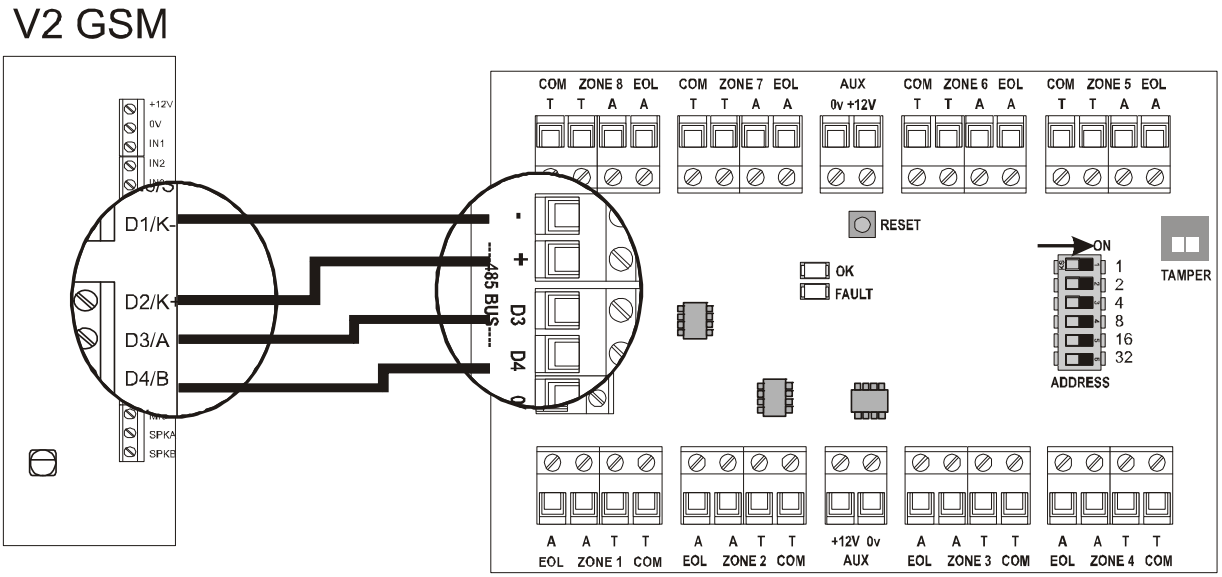
7.6 WARRANTY

This product is sold subject to our standard warranty conditions and is warranted against defects in workmanship for a period of 2 years. In the interest of continuing improvement of quality, customer care and design, Pyronix reserves the right to amend specifications without giving prior notice

7.7 CONNECTING AN INPUT EXPANDER (PCX-RIX8)

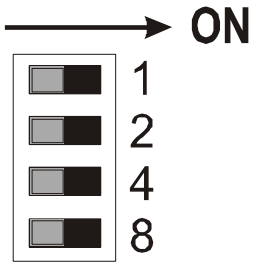
Only 1 input expander can be connected to the V2 GSM, this will need to be addressed as '0' (all dipswitches must be to the left as shown below)



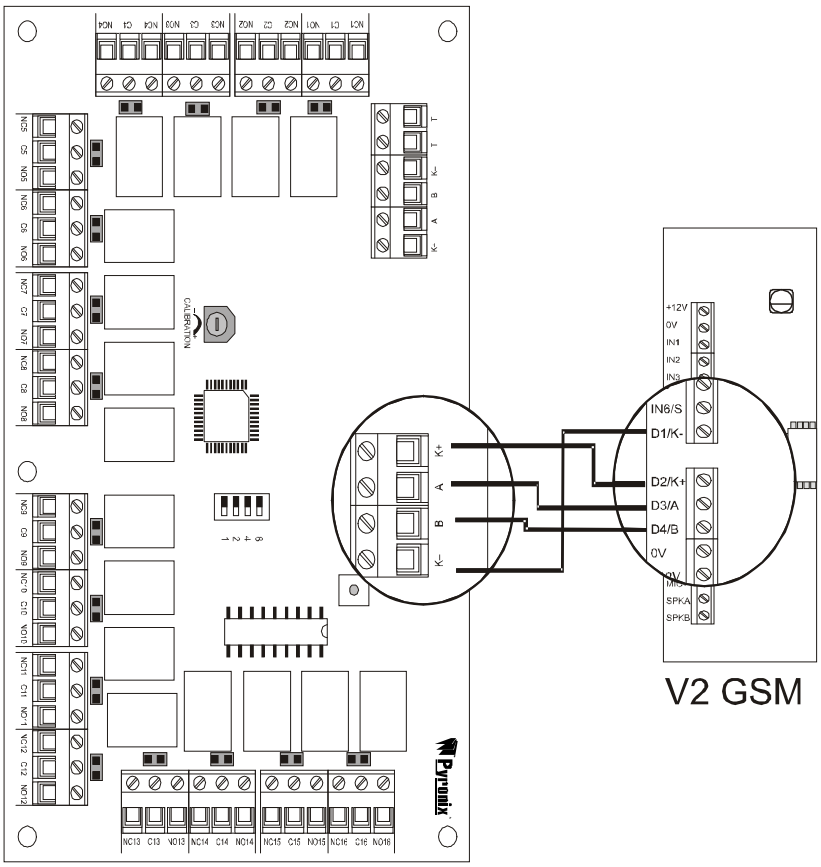


7.8 CONNECTING AN OUTPUT EXPANDER (PCX-ROX16R)

Up to 3 output expanders may be installed on the V2 GSM. Each output expander must be individually addressed using the dip switches:



Address	Switch			
	1	2	4	8
00	OFF	OFF	OFF	OFF
01	ON	OFF	OFF	OFF
02	OFF	ON	OFF	OFF

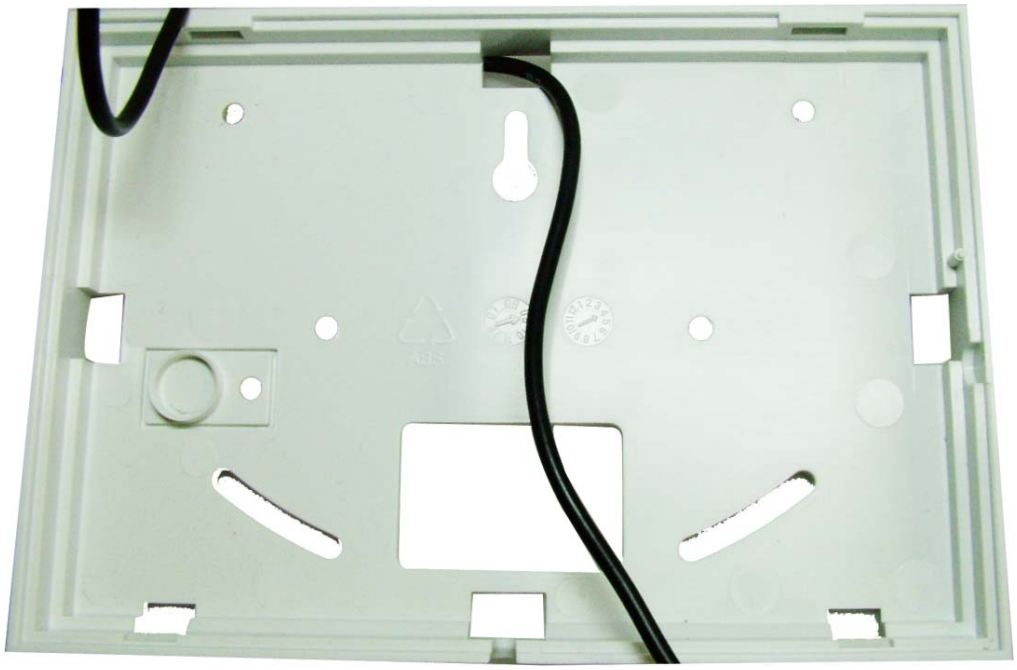


Output Map:
Onboard Outputs: PGM1-4 onboard
1st Output Expander: PGM 1-16 expander
2nd Output Expander: PGM 17-32 expander
3rd Output Expander: PGM 33-48 expander

7.9 THE ANTENNA

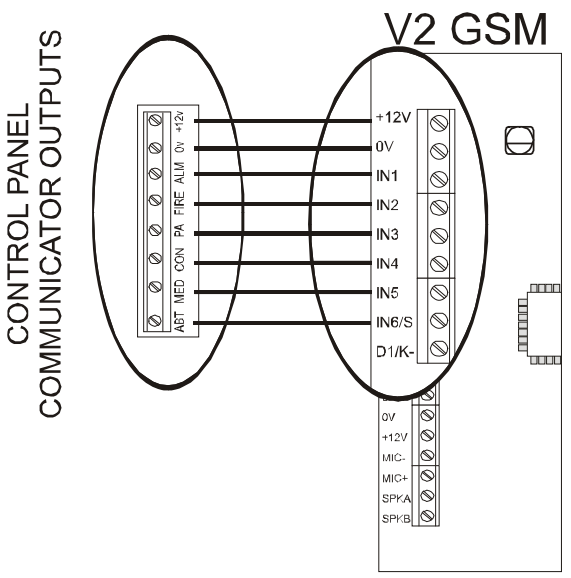
The antenna cable must be guided through the clip present at the top right of the V2 printed circuit board (as shown)

The cable should then be guided through the top hole on the back of the V2 as shown below.

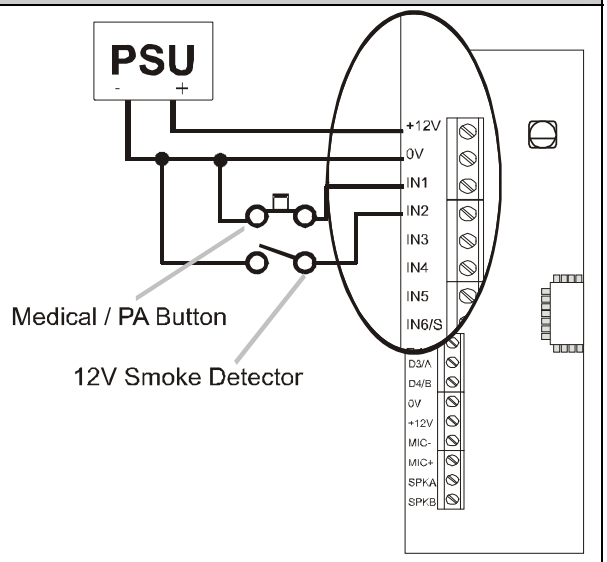


7.10 CONNECTING OTHER EQUIPMENT

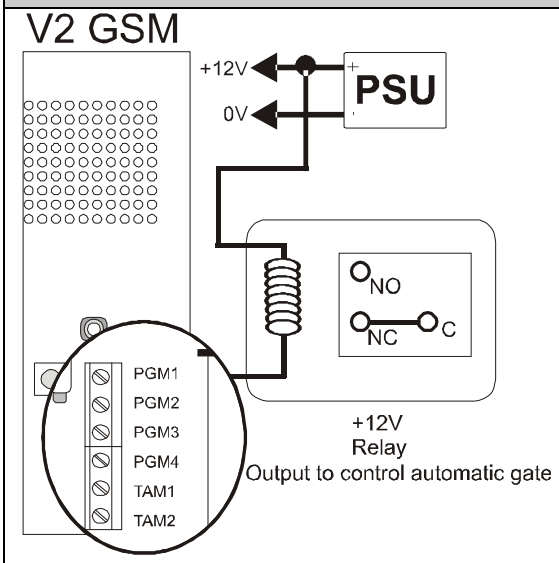
Connecting Inputs



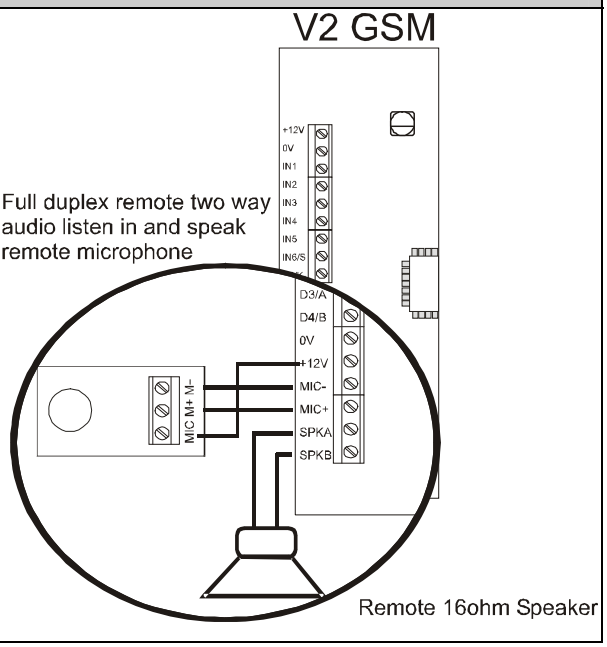
Connecting Smoke / PA Buttons



Connecting Relays



Connecting Remote Speakers/Mics



CHAPTER 8: DISCLAIMER

If there are 2 V2 GSM units on the property, if enabled, jamming test calls will send regular test calls at programmed intervals. If these test calls are successful, no charge is made. However, if the test call is unsuccessful a charge will occur (this may be costly depending on how regular the test calls have been programmed and how many times the call is made before the problem is fixed).

Pyronix Ltd hold no responsibility in any costs that occur due to numerous test calls and your customer should be made aware of this.

Pyronix Ltd hold no responsibility for any calls that do not get sent to a telephone number after an alarm due to signal loss, or network failure, this is the responsibility of the network provider.

The symbol shown here and on the product, means that the product is classed as Electrical or Electronic Equipment and should not be disposed of with other household or commercial waste at the end of its working life. The Waste Electrical and Electronic Equipment (WEEE) Directive (2006/96/EC) has been put in place to recycle products using the best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increasing landfill.

CHAPTER 9: SETTING UP THE V2 GSM (EXAMPLE)

If possible it would be ideal to have the V2 already installed before programming to check the quiescent state of the Inputs to be used.

The V2 when powered up for the first time should already be in the Engineers Menu.

Below is an example using one Input to dial three telephone numbers:

Enter [5][5][1] for Diagnostics for input 1 and then press the [✓] key.

This will show the status and the voltage of input 1 and should be showing CL- H /REST/ 11.0V this is just a typical example if using the Bell output trigger on an alarm panel.

When the Input on the V2 is then triggered the readings should change:
Example: CL – L /ALARM/ < .5V

Codes [4][0][1] – [4][0][6] program the input status controls whether the inputs are in the REST or ALARM state.

CL-H CL-L OPEN indicates what option in Program Input Status should be selected for the Input to show REST state when the Input is in its quiescent state.

CL-H = Normally High Voltage Range: 10-14V

CL-L = Normally Low Voltage Range: 0–3V

OPEN = Normally Open Voltage Range: 5–7V

At default the V2 Program Input Status [4][0][1] – [4][0][4] is set to Normally High.

The default input status for [4][0][5] – [4][0][6] are set to Normally Open.

To exit the diagnostic readings press the [✗] key twice, this should return you to the main menu.

(If you need to change the input status do so then return back to the diagnostics readings to check the input is now working as expected).

Enter code [2][0][1] Enable inputs for Tel #1 then press the [✓] key.

Press the [1] key the number 1 should appear then press the [✓] key.

Press the [▼] arrow to show Enable inputs for Tel #2 then press the [✓] key.

Press the [1] key again 1 should appear then press the [✓] key.

Press the [▼] arrow to show Enable inputs for Tel #3 then press the [✓] key.

Press the [1] key again 1 should appear then press the [✓] key.

Press the [✗] key you should return to the Main Menu.

Enter code [6][0][8] SIM telephone number then press the [✓] key.

Enter the SIM Card Telephone Number then press the [✓] key.

Enter code [9][9][9] Quit/Exit Programming then press the [✓] key.

Enter Code [1][2][3][4] to enter the User Menu.

If you are using voice messaging Enter code [8][0][1] play/rec msg for input: 1 then press the [✓] key.

Press the [4] key and wait till the countdown ends then record the message press the [✗] key when finished recording.

Press the [X] key to return to the Main Menu.

(Go to Program Telephone Numbers).

If you are using SMS messaging:

Enter code [8][3][1] SMS msg for input 1 then Press the [✓] key.

Enter the text for the message required then press the [✓] key.

Press the [X] key to return to the Main Menu.

Enter code [9][3][1] Message type for tel #1 press the [✓] key this will show 0 = VOICE MESSAGE press the 2 key this will now show 2 =SMS messaging press the [✓] key.

Press the [▼] arrow [932] Message type for tel #2 press the [✓] key press the 2 key to show 2= SMS MESSAGE then press the [✓] key.

Press the [▼] arrow [933] Message type for tel #3 press the [✓] key press the 2 key to show 2=SMS message then press the [✓] key.

Press the [X] key to return to the Main Menu.

PROGRAMMING TELEPHONE NUMBERS

Enter Code [9][0][1] Telephone number #1 press the [✓] key.

Enter the first Telephone number then press the [✓] key.

Press the [▼] arrow {[9][0][2]} Telephone #2 Press the [✓] key.

Enter the Second Telephone number then press the [✓] key.

Press the [▼] arrow {[9][0][3]} Telephone number #3 press the [✓] key.

Enter the third Telephone number then press the [✓] key.

Press the [X] key to return to the Main menu enter code [9][9][9] quit/exit programming press the [✓] key.

The date and time should appear after a short while and the signal strength bars should be visible.

The V2 GSM is ready for use.

CHAPTER 10: SHORTCUT FUNCTION REFERENCE

100 PLAY / REC SYSTEM VOICE MESSAGES
- 101 Play / record low battery message
- 102 Play / record battery restore message
- 103 Play / record test message
- 104 Play / record jamming message
- 105 Play / record jamming restore message

130 WRITE SMS SYSTEM MESSAGES
- 131 SMS low-battery message
- 132 SMS test message
- 133 SMS battery restore message
- 134 SMS jamming message
- 135 SMS jamming restore message

150 CALL REDIALS
- 151-159 Redials for tel#1 [151], Redials for tel#2[152] … Redials for tel#9 [159]

160 COPY TEL#1 REDIALS TO ALL

165 IMMEDIATE NO. OF REDIALS

170 DEFERRED REDIAL DELAY

171 DEFAULT TIME OUT

172 CALLING STRATEGY

173 DIAL ALL NUMBERS

174 VOICE MESSAGE REPEATS

175 TEST CALL PERIOD

176 ENABLE S.O.L. TEST CALL

177 RINGS BEFORE ANSWER

180 ENABLE REMOTE CONTROL

200 TEL NUMBER INPUT ALLOCATION
- 201-209 Enable inputs for tel#1 [201], Enable inputs for tel#2 [202] … Enable inputs for tel#3 [203]

250 COPY TEL#1 ALLOC. TO ALL

300 ENABLE CLIP FOR TEL'
- 301-309 Enable CLIP tel#1 [301], Enable CLIP tel#2 [302] … Enable CLIP tel#3 [303]

350 AUTO LEARN INPUT STATUS 1-6

400 PROGRAM INPUT STATUS
- 401-414 Program status for inp#1 [401], Program status for inp#2 [402] … Program status for inp#14 [414]

450 INPUT 1-6 RESPONSE TIME
- 451-456 Response for input#1 [451], Response for input#2 [452] … Response for input#6 [456]

500 INPUT 1-6 TRIGGER VOLTAGE
- 501-506 Trigger volts for inp#1 [501], Trigger volts for inp#2 [502] … Trigger volts for inp#6 [506]

530 INPUT 1-6 RESTORE VOLTAGE
- 531-536 Restore volts for inp#1 [531], Restore volts for inp#2 [532] … Restore volts for inp#6 [536]

550 INPUTS 1-6 DIAGNOSTICS
551-536 Diagnostic for input#1 [551], Diagnostic for input#2 [552] … Diagnostic for input#6 [556]

580 ENABLE ABORT INPUT#6

581 ENABLE STATUS INPUT#5

600 CALL TELEPHONE NUMBER

601 SET SIM-CARD SECRET PIN

602 TEST REMOTE MIC

603 TEST REMOTE SPEAKER

604 VIEW EVENT LOG

605 ERASE EVENT LOG

606 CHANGE ENGINEER CODE

607 REST TO FACTORY DEFAULTS

608 SIM TELEPHONE NUMBER

609 ENABLE JAMMING DETECT

610 JAM DETECT PARTNER NUMBER

611 JAM DETECT TIME WINDOW

612 FORWARD LOW CREDIT SMS

650 ENABLE EXP OUTPUT MODULES
650-652 Enable EXP output modules:0 [650], … Enable EXP output modules:3 [652]

660 PGM OUTPUT FUNCTIONS
661-664 PGM#1 output function [661], PGM#2 output function [662] … PGM#4 output function [664]

680 PGM OUTPUT TIMERS
681-684 PGM#1 timer/follow input [681], PGM#2 timer/follow input [682] … PGM#4 timer/follow input [684],

700 CONTROL OUTPUT
701-704 PGM#1 output control [701]… - 4 on board outputs
751-798 PGM#48 EXP output control [798]… - 48 outputs on the output expanders

999 QUIT/EXIT PROGRAMMING

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