

### 3. FRONT PANEL OPERATION

The front panel includes a set of 5 membrane switches that combine with LCD which provides a “Touch Control Display”. This eliminates the need for deep switches or internal strapping, because most options can be selected by simply touching a membrane key. When a parameter is displayed, the current value is shown. As you scroll through the available options, a question mark and flickering cursor will indicate that the option is available but not currently selected. If one wants to select a new option, place this option in the LCD window and press the <ENTER> key. The question mark and flickering cursor will be removed.

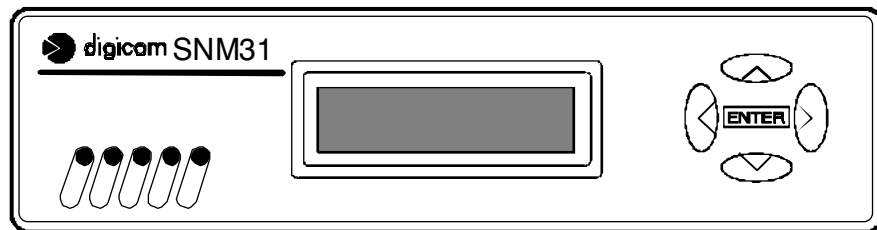


Fig.:1. SNM31 Front Panel

The “**UP**” and “**DOWN**” arrows are used to scroll “parameters” in the top and bottom pages, and they are used to scroll “options” when you are in the left and right pages.

The “**RIGHT**” and “**LEFT**” arrows are used to scroll “parameters” in the left and right pages, and are used to scroll “options” in the top and bottom pages.

Using <**ENTER**> one can select or begin a displayed option. Pressing this key when the current selected option is already displayed this then will return the LCD to the “status” position.

By pressing one of the four arrows, one can exit from the status display and enter into a page of parameter options: see Appendix L “default configuration”. The arrows are used to scroll the parameters in one direction and the corresponding options in other direction.

**Example 2-1**

This example shows how the DTE RATE can be changed from 38400 bit/s to 19200 bit/s and then return to status mode.

Normal status displayed :

SNM31	aa
td_ rd_ dsr_ ec_	

Press the “LEFT” arrow :

FORMAT	1L
Asynchronous	

Press the “LEFT” arrow again:

DTE RATE	2L
Autobaud	

Press the “DOWN” arrow :

DTE RATE	2L
38400_	

Press the “DOWN” arrow again:

DTE RATE	2L
19200_	

Press <ENTER>. Control that the cursor stops flickering; press <ENTER> again to return to status mode.

SNM31	aa
td_ rd_ dsr_ ec_	

*Now the modem can work at 19200 bit/s interface rate. This configuration IS NOT stored and can be lost in case of power off. To store a configuration in non-volatile memory select the option: “Mem.Utente”.*

**Example 2-2**

This example shows how a User configuration can be stored.  
Normal status displayed:

SNM31	aa
td_ rd_ dsr_ ec_	

Press the “RIGHT” arrow 6 times:

CONFIG	6R
Factory	

Press the “DOWN” arrow twice:

CONFIG	6R
User Store	

Press “ENTER” once:

CONFIGURATION 6R	
#0_	

*The display always shows configuration #0 first. The User can give a different position from #0 to #9 as configuration (up to 10 configurations may be stored).*

Press the “LEFT” arrow until the wanted location is obtained then press <ENTER>. Pressing <ENTER> again, you will return to status mode:

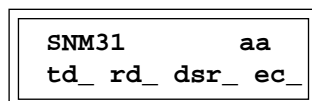
SNM31	aa
td_ rd_ dsr_ ec_	

### 3.1. STORING NUMBER IN MEMORY

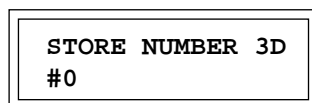
The front panel design allows the User to store 20 numbers into the non-volatile memory for auto-dialling simply by touching a combination of membrane keys. All the dialling parameters (1, 2, 3, 4, 5, 6, 7, 8, 9, 0, #, \*, T, P, ', ', ;, W, R, @, /, !, ) can be entered into the memory by the front panel.

#### *Example 2-3*

The status is normally displayed:



press the DOWN arrow 3 times:



If you wish to store a number in location 1 then press the ENTER . If no number is currently stored here then the cursor will flicker in the upper left corner of the LCD. By using the UP or DOWN arrows one can choose a digit. Then press the RIGHT arrow to move to the next digit. Once all the digits have been entered correctly, press ENTER to confirm, and this will automatically move to the next memory location. When you have completed all the numbers to be stored, simply press the UP arrow to return to the status position.

Any number currently stored will appear in that location when selected. The cursor will flicker at the end of the number therefore one can use the LEFT arrow for backspaces which will erase the number, otherwise one can simply use the UP or DOWN arrows to go over the current number.

### 3.2. USING NUMBERS IN MEMORY

All the stored numbers can be selected through front panel and AT commands. One here can see how to dial the numbers in memory from the front panel. There are two possibilities:

### 3.2.1. Indirect Dialling 0 to 19 Locations

To store telephone numbers see example 2-3.

From status position:

SNM31	aa
td_ rd_ dsr_ ec_	

Press the RIGHT arrow: the ACTION menu will be displayed.

Press the DOWN arrow until:

KEYPAD ACTION 1R
Memory Dial

Press <ENTER>

#0 *****
----------

Pressing the LEFT or RIGHT arrows one can select, one by one, the locations from 0 to 19. Press ENTER when the number needed is displayed.

### 3.2.2. Direct Dialling 0 to 3 Locations

SNM31 can link the first four stored numbers (#0,#1,#2,#3) to these four soft-key: (<,>,<^,<v).

To store telephone numbers see example 2-3.

From status position:

SNM31	aa
td_ rd_ dsr_ ec_	

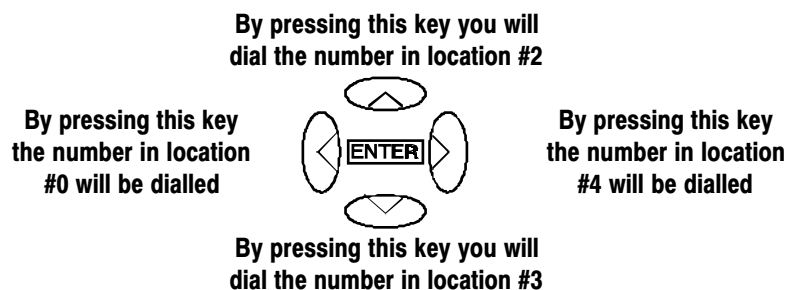
Press the RIGHT arrow: the ACTION menu will be displayed.

Press the DOWN arrow until this message appears:

**KEYPAD ACTION 1R**  
**Easy to Use**

Press <ENTER>.

Your modem is ready to auto-dial the first four numbers stored. See the figure below:



From now on, by pressing an arrow you will dial the linked number. Remember you can link the telephone number to a configuration. This will simplify your applications.

*When this function is selected, the possibility of modifying any parameter is automatically disabled.*

*To activate the keyboard display see "RESET AT POWER ON".*