



# COMMUNICATION MODULE GSM-4S

SITE NAME.....

USER.....

TELEPHONE NUMBER.....

PIN.....PUK .....

ADDRESS.....

NOTES .....

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## SERVICE MODE FUNCTIONS

The functions are placed in the order corresponding to that of the service mode menu.

The way of calling the service mode, as well as entering and/or changing the data in service functions, is described in the user manual for GSM-4 communication module.

Total deletion of the control code or a telephone number is effected in much the same way as restoration of the contents of SMS standard message by simultaneously depressing and holding down the CHANGE and NEXT keys.

The values set by default or after activation of the „Delete all” function are shown with a small font at the right lower corner of the data recording field. The options set (selected) by default, distinguished with the  mark on the display, are indicated in the table with small „x” characters. The contents of standard SMS messages is placed next to the field intended for entering own contents of a message to be sent.

**MAIN MENU:**

End of service

Service code     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

**TIMES:**

Line loss time	[min]	0	2
GSM loss time	[min]	0	2
Time of ringing	[sec]	3	0

program: from 01 to 99

**OPTIONS:**

Turn off TL volt	x
Show TL failure	x
Show dialing.	x
Signal testing	
Answering calls	
Any numbers	
Routing signal	x
GSM main line	
Trbl.-switch I.	x
FLASH – GSM/TL	

select/deselect chosen **Y**

x - default setting

**OUTGOING NUMBERS:**

Outgoing No 1     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Outgoing No 2     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Outgoing No 3     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Outgoing No 4     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

**PREFIXES:**

Perm. prefix 1     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Perm. prefix 2     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Perm. prefix 3     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Perm. prefix 4     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Prefix to erase     | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

Prefix to add        | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|

**ALLOWED NUMBERS:**

Tel. No. 1 begin.   | |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_| |\_|



Tel. No. 30 begin. | | | | | | | | | | | | | | | | | | | | | |

Tel. No. 31 begin. | . | | | | | | | | | | | | | | | | | | | | |

Tel. No. 32 begin. | | | | | | | | | | | | | | | | | | | | | |

**MESSAGING:**

Tel. 1 for mess. | | | | | | | | | | | | | | | | | | | | | |

Tel. 2 for mess. | | | | | | | | | | | | | | | | | | | | | |

Tel. 3 for mess. | | | | | | | | | | | | | | | | | | | | | |

Tel. 4 for mess. | | | | | | | | | | | | | | | | | | | | | |

	Mess. x2 for telephone call twice	Number of attempts to send CLIP info	CLIP info acknowl.	SMS if CLIP message failed (no acknowl.)
Tel. 1 for mess.		3	x	
Tel. 2 for mess.		3	x	
Tel. 3 for mess.		3	x	
Tel. 4 for mess.		3	x	

**SMS IN1 violat.**

| | | | | | | | | | | | | | | | | | | | | |  
| | | | | | | | | | | | | | | | | | | | | | default: Violation of Input 1

**SMS IN2 violat.**

| | | | | | | | | | | | | | | | | | | | | |  
| | | | | | | | | | | | | | | | | | | | | | default: Violation of Input 2

**SMS IN3 violat.**

| | | | | | | | | | | | | | | | | | | | | |  
| | | | | | | | | | | | | | | | | | | | | | default: Violation of Input 3

**SMS IN4 violat.**

| | | | | | | | | | | | | | | | | | | | | |  
| | | | | | | | | | | | | | | | | | | | | | default: Violation of Input 4

**SMS fail. line**



	Tel.1	Tel.2	Tel.3	Tel.4
<b>Input 4 violation → telephones</b>				
<b>Failure Line → telephones</b>				
<b>Restore Input 1 → telephones</b>				
<b>Restore Input 2 → telephones</b>				
<b>Restore Input 3 → telephones</b>				
<b>Restore Input 4 → telephones</b>				
<b>Restore Line → telephones</b>				
<b>Test message → telephones</b>				

program: v – voice messaging s – sending SMS message  
 c – CLIP type information [none] – skip number when messaging

**Test period**      |\_\_|\_\_|d|\_\_|\_\_|h|\_\_|\_\_|m

maximum:      31days 23 hours 59 minutes, default: 00d00h00m

### MESSAGING OPTIONS:

#### SMS CONTROL:

<b>SMS bypass IN1</b>	__ __ __ __ __ __
<b>SMS bypass IN2</b>	__ __ __ __ __ __
<b>SMS bypass IN3</b>	__ __ __ __ __ __
<b>SMS bypass IN4</b>	__ __ __ __ __ __
<b>SMS bypass all</b>	__ __ __ __ __ __
<b>SMS unbypass IN1</b>	__ __ __ __ __ __
<b>SMS unbypass IN2</b>	__ __ __ __ __ __
<b>SMS unbypass IN3</b>	__ __ __ __ __ __
<b>SMS unbypass IN4</b>	__ __ __ __ __ __
<b>SMS unbypass all</b>	__ __ __ __ __ __
<b>SMS OT1 on</b>	__ __ __ __ __ __
<b>SMS OT2 on</b>	__ __ __ __ __ __
<b>SMS OT3 on</b>	__ __ __ __ __ __
<b>SMS OT1 off</b>	__ __ __ __ __ __
<b>SMS OT2 off</b>	__ __ __ __ __ __
<b>SMS OT3 off</b>	__ __ __ __ __ __

<b>SMS OT123 off</b>	_ _ _ _ _ _ _
<b>SMS OT123 on</b>	_ _ _ _ _ _ _
<b>SMS check inputs and outputs</b>	_ _ _ _ _ _ _
<b>SMS „service”</b>	_ _ _ _ _ _ _
<b>SMS „user”</b>	_ _ _ _ _ _ _
<b>SMS modem format</b>	_ _ _ _ _ _ _
<b>SMS test period</b>	_ _ _ _ _ _ _
<b>SMS change tel.1</b>	_ _ _ _ _ _ _
<b>SMS change tel.2</b>	_ _ _ _ _ _ _
<b>SMS change tel.3</b>	_ _ _ _ _ _ _
<b>SMS change tel.4</b>	_ _ _ _ _ _ _

**DTMF CONTROL:**

<b>DTMF bypass IN1</b>	_ _ _ _
<b>DTMF bypass IN2</b>	_ _ _ _
<b>DTMF bypass IN3</b>	_ _ _ _
<b>DTMF bypass IN4</b>	_ _ _ _
<b>DTMF bypass all</b>	_ _ _ _
<b>DTMF unbyypass IN1</b>	_ _ _ _
<b>DTMF unbyypass IN2</b>	_ _ _ _
<b>DTMF unbyypass IN3</b>	_ _ _ _
<b>DTMF unbyypass IN4</b>	_ _ _ _
<b>DTMF unbyypass all</b>	_ _ _ _
<b>DTMF check inputs</b>	_ _ _ _
<b>DTMF OT1 on</b>	_ _ _ _
<b>DTMF OT2 on</b>	_ _ _ _
<b>DTMF OT3 on</b>	_ _ _ _



DTMF OT1 off | | | |

DTMF OT2 off | | | |

DTMF OT3 off | | | |

DTMF OT123 off | | | |

DTMF OT123 on | | | |

DTMF check outputs | | | |

**CLIP CONTROL:**

CLIP1 - tel. No | | | | | | | | | | | | | | | |

CLIP2 - tel. No | | | | | | | | | | | | | | | |

CLIP3 - tel. No | | | | | | | | | | | | | | | |

CLIP4 - tel. No | | | | | | | | | | | | | | | |

	Output OT1	Output OT2	Output OT3	program:
<b>CLIP1 controlling → Outputs</b>				1 –on 0 – off
<b>CLIP2 controlling → Outputs</b>				1 –on 0 – off
<b>CLIP3 controlling → Outputs</b>				1 –on 0 – off
<b>CLIP4 controlling → Outputs</b>				1 –on 0 – off

program:      1 – enable output (when cutoff time = 0, output always on);  
 0 – disable output;  
 [none] – the given output not controlled by CLIP

**INPUTS / OUTPUTS:**

	Input IN1	Input IN2	Input IN3	Input IN4	program:
<b>Input type</b>	2	2	2	2	1 – NC; 2 – NO
<b>Input sensitivity</b>	200	200	200	200	20 – 1275 ms
<b>Input restore</b>	long	long	long	long	long (4min); short (4sec)

<b>Input bypassed after 1 violat.</b>	<input type="checkbox"/> x	<input type="checkbox"/> x	<input type="checkbox"/> x	<input type="checkbox"/> x	select / deselect <b>Y</b>
<b>Input bypassed after 3 violat.</b>	<input type="checkbox"/> x	<input type="checkbox"/> x	<input type="checkbox"/> x	<input type="checkbox"/> x	select / deselect <b>Y</b>
<b>Input bypassed manually</b>	<input type="checkbox"/> x	<input type="checkbox"/> x	<input type="checkbox"/> x	<input type="checkbox"/> x	select / deselect <b>Y</b>
<b>Bypassing input</b>					[none] – select one input
<b>Bypassed inputs</b>					select / deselect: 1;2;3;4

<b>OT3 – t.l.trouble</b>	<input type="checkbox"/>
<b>OT4 – only GSM (TL and GSM trouble indicator)</b>	<input type="checkbox"/>

select / deselect **Y**

	Output OT1	Output OT2	Output OT3	
<b>Output cut-off time</b>	<input type="text" value="030"/> s	<input type="text" value="030"/> s	<input type="text" value="030"/> s	program: 0-255 sec./min.
<b>Input 1 controlling → Outputs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 – on; 0 – off
<b>Input 2 controlling → Outputs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 – on; 0 – off
<b>Input 3 controlling → Outputs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 – on; 0 – off
<b>Input 4 controlling → Outputs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 – on; 0 – off

program: 1 – enable output (when cutoff time = 0, output always on);  
 0 – disable output;  
 [none] – the given output not controlled by input

**GSM OPTIONS:**

**PIN code**

**PAGER tel. number**

**CA-64 tel. number**

**SMS center number**

**Inter. SMS cent.**  x select / deselect **Y**

**SMS acknowl. No**

**Prefix for SMS**

**LCD backlight** (available for the modules with backlit display)

no	<input checked="" type="checkbox"/>
auto	<input type="checkbox"/>
permanent	<input type="checkbox"/>

**Fax/modem**  select/deselect **Y**

### Modem format

Format code	Modem format	Select
00	auto	<input checked="" type="checkbox"/>
01	300 V.21	<input type="checkbox"/>
02	1200 V.22	<input type="checkbox"/>
03	1200/75 V.23	<input type="checkbox"/>
04	2400 V.22bis	<input type="checkbox"/>
05	2400 V.26ter	<input type="checkbox"/>
06	4800 V.32	<input type="checkbox"/>
07	9600 V.32	<input type="checkbox"/>
12	9600 V.34	<input type="checkbox"/>
14	14400 V.34	<input type="checkbox"/>
65	300 V.110	<input type="checkbox"/>
66	1200 V.110/X.31	<input type="checkbox"/>
68	2400 V.110/X.31	<input type="checkbox"/>
70	4800 V.110/X.31	<input type="checkbox"/>
71	9600 V.110/X.31	<input type="checkbox"/>
75	14400 V.110/X.31	<input type="checkbox"/>

**DWNL code**       default: AAAAAA

### RS baud rate

4800 bps	<input type="checkbox"/>
9600 bps	<input type="checkbox"/>
19200 bps	<input checked="" type="checkbox"/>

**Test BTS**

**Erase settings**

## HISTORY OF THE MANUAL UPDATES

The changes described refer to the manual drawn up for the GSM-4 module with firmware v4.07.

DATE	PROGRAM VERSION	DESCRIPTION OF CHANGES
January 2007	4.09	<ul style="list-style-type: none"><li>• Some module operation options have been removed and some new options added (p. 2, 5)</li><li>• Some CLIP type messaging functions have been added (p.4).</li><li>• Maximum period of test transmission has been changed (p. 6).</li><li>• Control functions for SMS (p. 6), DTMF (p. 7), CLIP (p. 9) outputs, and inputs (p.9) have been modified.</li><li>• Functions enabling remote change of the test transmission period and telephone numbers to be notified have been added (p. 7).</li><li>• The maximum output cutoff time has been increased (p. 9).</li><li>• Alterations in GSM options have been introduced (p. 9).</li><li>• List of modem formats has been modified (p. 10).</li></ul>

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