

MANAGEMENT SUITE FOR CONTROL PANELS ...

Omnia

NormaCom



INSTALLATION AND USE MANUAL

V4.2 BUSSW 2.0 230199



Omnia/S
DAT n. U0805



BENTEL
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Installation and use manual:
Management suite for control panels **Omnia** and **NormaCom**
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For installation of the Omnia complete package, read the following paragraph; to update a previous installation, see "Updating a previous version".

Complete installation

- Open Windows version 3.1 or higher.
- Perform the SETUP.EXE program contained in disk no. 1 of **Borland Database Engine**.
- By following the instructions displayed the program creates the C:\IDAPI folder, this folder must never be cancelled or renamed as it contains the supporting files of the Omnia package.
- Continue the installation by following the instructions provided in the next paragraph.

■ Updating a previous version

- + Although the update maintains all the customer data saved in the previous versions, as a precautionary measure, it is advisable to make a copy of the DATA folder.
- Perform the INSTALL.EXE program contained in disk no. 1 of **Omnia and NormaCom panels management package**.
- By following the instructions displayed, the program creates the folder indicated in the **Query Directory** box (the default setting is C:\BENTEL), and if YES is the answer to the question <<Would you like me to create the program items for you?>>, it creates Bentel Omnia-NormaCom group of programs.
- + When updating a previous version of the Omnia package, the folder where it is installed must be specified in the **Query Directory**, otherwise the installation is unable to find the data.
- Carry out the **UpdDb** program: several files are created which are necessary for the running of the other programs.
- + When the installation is complete, fill in and mail the **Registration card** supplied with the complete package: this entitles the user to receive **automatically and free of charge** all the package updates for **1 year**.

The *Bentel Omnia-NormaCom* group includes the programs described as follows.





Omnia: program for the definition and programming of Omnia parameters and, by means of the OmniaMOD modem, for the management of the teleservice.



NormaCom: program for the definition and programming of the NormaCom panel parameters and, by means of the OmniaMOD modem, for the management of the teleservice.



Receiver: program for the automatic receiving, display and management of the test calls of the connected Omnia and NormaCom panels (via telephone).

+ **This program replaces RxTestCall and ViewTestCall of the previous versions.**



Translat: program for the "creation of languages" which are not provided. A language is formed by all the words used in Omnia and NormaCom programs and by the messages displayed on the LCD Keypad.



ConvNorm: program used for the conversion of customer files, generated with the NormaCom program DOS version



DBManager: program used for the copying of customer files from one folder to another.



UpdDb: program for the creation and updating of the files necessary for the running of the other group programs; this program must be launched after the installation of the Omnia package and after every package updating.

A full description of the UpdDb program is provided in the previous table, whilst each of the other programs is dealt with separately in the following chapters.

Language selection

To change the language used in one of the programs of the Omnia package, select **Language** in the **Options** menu or select the **Language** button (depending on the program).

It is possible to select one of the "supplied" languages or create a customized language by means of the **Translat** program.

To change the language from the LCD Keypads, select **LCD strings** from the **Programming** menu of the Omnia program.



This program permits the definition of the Omnia panel parameters and the saving of these on a (customer) file on the PC hard drive, this data can then be recalled, modified and sent to an Omnia panel and/or printed at any time. Teleservice, that is, the programming and control of the Omnia panel via telephone, is made possible by means of the OmniaMOD-V1 modem.

Several *pages* for panel parameter definition are shown when starting the program; these pages are described in the Omnia INSTALLATION MANUAL. This chapter describes the program menu commands for customer management, teleservice, setting, and so forth.

File

This menu contains the commands for customer management, that is, all the panel parameters that are stored on the hard disk with a name.

New customer By selecting this command, all the default settings are restored and all previous parameters lost, that is, if these are not saved beforehand: in which case the program displays <<Configuration not saved. Save ?>>.

Open By selecting this command, the window shown in Figure 1 is displayed; this window is for recall of the stored settings by means of the **Save** command.

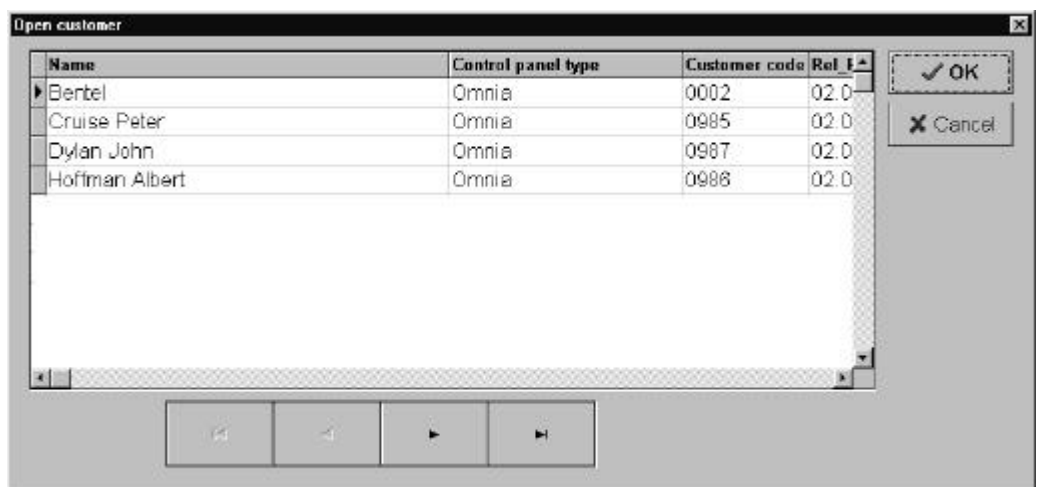


Figure 1 Open customer window.



- Save** By selecting this command, the active settings are recorded on the drive. The customer must be assigned a name in the **Name** field of the {Customer} page; otherwise, the program communicates an error condition. When attempting to assign a duplicate name to a customer file, the program communicates the name as already existing, then asks for confirmation before continuing; capital and small letters do not differentiate customer names. A unique **Customer code** must be assigned to each customer, otherwise, the program communicates <<Duplicate customer code "Omnia">> (or <<Duplicate customer code "NormaCom">> if the entered code has already been assigned to a customer in the NormaCom program), in which case it is not saved.
- Delete** By selecting this command, the current customer list is displayed and the customer names which are no longer required may be cleared, thus freeing hard drive space.
- Print** Creates a printout of the selected customer settings. This item opens a window opens where it is possible to select the customer (see the **Print** column) and the programming pages for printout. **Cust. report** prints the customer list stored on the hard disk, whilst **Setup printer** allows selection and printer setup.
- Exit** By selecting this command, the program is quitted; if changes have been made but not saved the program communicates <<Configuration not saved. Save?>>.

Programming

Once the function parameters are defined, they must be copied onto the panel they refer to.

- Load** By selecting this command, the connected panel settings are loaded (via serial port or telephone); it is possible to load the active page only or the entire programming; in which case the operation takes about 3 minutes.
- + The data set in the windows opened by the menu commands, may be loaded from the connected panel memory, by using of the specific window key (usually **Load**).
- Send** By selecting this command, the connected panel (via serial port or telephone) is programmed with all the current active settings; it is possible to send the active page only or the entire programming; in which case the operation takes about 3 minutes.
- + The remaining items of this menu refer to the Omnia parameters that must be programmed and are described in the INSTALLATION MANUAL.



Check

Panel status Opens a window similar to that shown in figure 2, which represents a virtual control panel of the connected control panel (via serial port or telephone).

By means of this control panel it is possible to display the connected panel status and to have operational access to it.

The left-hand side of the window, of each zone, displays the following: the sequential number (**no.**), the position (**Position**), the device it is connected to (**Device**), the device terminal initials (**Ter.**), the description (**Description**), the Area it is assigned to (**Area**), the alarm status (**Status**) and the bypass status (**Byp**).

The right-hand side displays a series of panels to control the following.

- **Area check** - status of the Areas: **ALarm**, **TAMP**er, **ARMed** and **RESET**.
- **System check** - status of the system: **Panel tamper**, **BPI Tamper**, **Tamper**, **False Key**.
- **Zones** - bypass status of each zone.
- **Warnings** - power-supply warning status.

The reading of the control panel status is updated about every 3 seconds.

In order to carry out operations which require arm/disarm of Areas or bypass/unbypass of Zones, it is necessary to enter an enabled **User PIN** in the appropriate box.

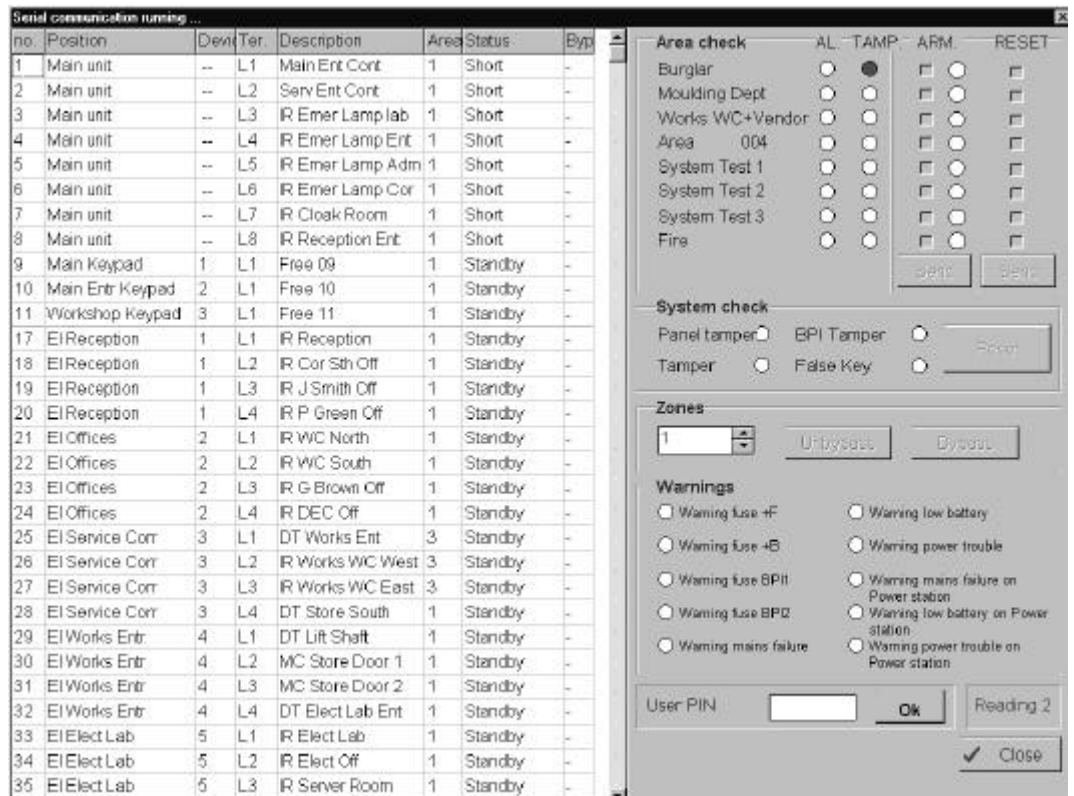


Figure 2 Virtual panel.



Configuration control Opens a window which allows the installer to check whether the connected panel (via serial port or telephone) detects, on its bus, the devices indicated in its memory.

Programmed configuration: devices set in the connected panel memory.

Present configuration: indicates the devices the panel detects on its bus.

Trouble on Devices: devices set in the control panel memory but which are not detected on its bus.

If the **Present configuration** shows devices which are not present on the **Programmed configuration**, then, the address of those devices is incorrect.

If the **Programmed configuration** shows devices which are not present on the **Present configuration**, then it is possible that devices are disconnected, wrongly connected, functioning incorrectly or have the same address as another device of the same type.

False Electronic keys - Tamper on devices: indicate respectively the Key readers in which the false Electronic keys are inserted and the devices which have the pull-off and/or tamper switch open.

Zones > Test Opens a window similar to that shown in figure 3, by means of which it is possible to check the functioning of all the installed Zones, that is, if each zone signals tamper and alarm status.

Next to each Zone is a warning "LED", which is **white** when the Zone is in standby status, turns **amber** to signal tamper on the Zone (if **Balanced** or **Double balanced**), and **red** if the Zone is in alarm status.

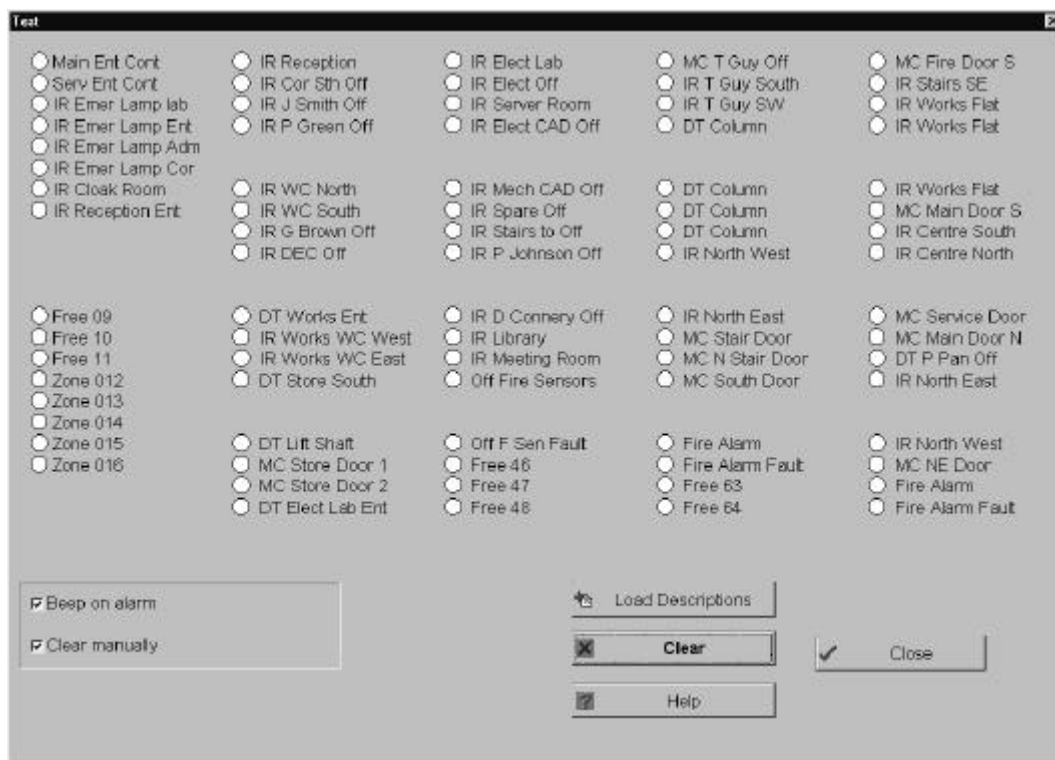


Figure 3 Window for input-zone check.



By selecting the **Zones > All in test** command, all the Zones are automatically set in **Test**, any violation or tamper is immediately logged without generating any undesired alarm signal.

On quitting the **Test** window, the Zones return to the status they had before selecting **Zones > Test**: the Zones which were in **Test** remain so, whilst the Zones which were not in test become active.

- + If, for any reason, the communication between the PC and the panel stops, whilst the **Test** window is open, the program displays a message indicating that all Zones have the **Test** Attribute.

To clear this status from all Zones, without operating individually on each separate Zone of the {Zone} page, select **Zones > None in test**.

- + By using the command **Zones > None in test**, the **Test** Attribute is also cleared from those Zones which had the **Test** Attribute before opening the **Test** window.

When the window opens it shows the 80 Zones, that may be managed, with the descriptions contained in the active customer; if no customer is active, the default descriptions are shown (Zone 001, ..., Zone 080).

By selecting the **Load Description** button, the descriptions contained in the connected panel memory are displayed.

Every alarm or tamper status is indicated by the warning LED on the corresponding Zone and by an acoustic signal on the PC. This signal may be inhibited by disabling the **Beep-on-alarm** option.

- + The zone status is checked every 3 seconds; therefore any variation in status is communicated with the same delay.

In all cases, the signal is held until the zone status changes, unless the **Clear-manually** option is selected; in this case the zone status is held until the **Clear** button is selected: therefore, the zone test may be performed by one person.

Zones > All in test By selecting this command, all the Zones are assigned the **Test** Attribute.

Zones > None in test By selecting this command, the **Test** Attribute is cleared from all the Zones.



Logger

The Omnia logger is able to store the last 200 events. The date and time of each event is logged, and for those events adequately programmed, the **Event id.**, the **Agent type** and the **Agent id.**, as described below.

Event Id.: this is the event **Description**, for those events adequately programmed, (e.g. for the Zone tamper event, the **Event Id.** specifies the Zone in question).

Agent type: is the **Description** of the device requesting the event (Key reader, Keypad, Command Zone, PC or command via telephone).

Agent id.: identifies the user of the requested event (**Description** of the Code or Electronic key used).

Load Opens a window similar to the one shown in figure 4 which displays the logged events on the connected control panel: when the window opens, the area on the left shows the current events in the control panel memory; if other events occur in the meantime, they are displayed by selecting the **Load** button.

Save: by selecting this button, the displayed events are saved in the active customer file (indicated in the {Customer} page); if no customer is active, the program requests file specification.

+ The **Save** button adds only new events to the customer file; here it is possible to store many more events than the control panel is able to store; the limit is established by the hard drive size.

Manage Opens a window similar to the **Load logger** window, this displays the events stored in the active customer and gives the user the possibility to delete those which are not needed, in order to free hard drive space; if no customer is active when selecting the **Manage** command, the program requests file specification.

Delete: by means of this button, the events starting from no. 1 to those with the date indicated in the **Clear logger data** window, may be deleted from the active customer.

Event No.	Date/Time	Event type	Event id.	Agent type	Agent id.
71	05/03/96 9:59	Telephonic call failed	Dialler		
72	05/03/96 9:05	Code recognized	Andrea Searle	Workshop Keypad	
73	05/03/96 9:05	Area arming requested	Fire	Workshop Keypad	Andrea Searle
74	05/03/96 9:05	Code recognized	Andrea Searle	Workshop Keypad	
75	05/03/96 9:05	Area disarming requested	Fire	Workshop Keypad	Andrea Searle
76	05/03/96 9:06	Code recognized	Andrea Searle	Workshop Keypad	
77	05/03/96 9:06	Area arming requested	Fire	Workshop Keypad	Andrea Searle
78	05/03/96 9:06	Tamper closing on zone	IR Emer Lamp lab [3]		
79	05/03/96 9:06	Tamper opening on zone	IR Emer Lamp lab [3]		
80	05/03/96 9:06	Code recognized	Andrea Searle	Workshop Keypad	
81	05/03/96 9:06	Area disarming requested	Fire	Workshop Keypad	Andrea Searle
82	05/03/96 9:06	Code recognized	Andrea Searle	Workshop Keypad	
83	05/03/96 9:06	Area reset requested	Fire	Workshop Keypad	Andrea Searle
84	05/03/96 9:06	Panel reset requested		Workshop Keypad	Andrea Searle
85	05/03/96 9:07	Code recognized	Andrea Searle	Workshop Keypad	
86	05/03/96 9:08	Clear telephonic queue		Workshop Keypad	Andrea Searle
87	05/03/96 9:10	Code recognized	Code 32	Workshop Keypad	
88	05/03/96 9:10	Start programming		Workshop Keypad	Code 32
89	05/03/96 9:10	Bypass zone	Main Ent Cont	Workshop Keypad	Code 32
90	05/03/96 9:10	Bypass zone	Serv Ent Cont	Workshop Keypad	Code 32
91	05/03/96 9:10	Bypass zone	IR Emer Lamp lab	Workshop Keypad	Code 32
92	05/03/96 9:10	Bypass zone	IR Emer Lamp Ent	Workshop Keypad	Code 32
93	05/03/96 9:10	Bypass zone	IR Emer Lamp Adm	Workshop Keypad	Code 32
94	05/03/96 9:10	Bypass zone	IR Emer Lamp Cor	Workshop Keypad	Code 32
95	05/03/96 9:10	Bypass zone	IR Cloak Room	Workshop Keypad	Code 32
96	05/03/96 9:10	Bypass zone	IR Reception Ent	Workshop Keypad	Code 32
97	05/03/96 9:10	End programming		Workshop Keypad	Code 32
98	05/03/96 9:11	Trouble on BPI device opening	K R Works Entr		
99	05/03/96 9:11	Trouble on BPI device opening	K R Workshop		
100	05/03/96 9:11	Trouble on BPI device opening	Main Keypad		
101	05/03/96 9:11	Trouble on BPI device opening	Main Entr Keypad		
102	05/03/96 9:11	Trouble on BPI device opening	El Reception		
103	05/03/96 9:11	Trouble on BPI device opening	El Offices		

Figure 4 Window for display of the event logger of the connected Control Panel.



Modem

Connecting If an OmniaMOD modem is connected to the PC serial port, this command enables telephone connection with the Omnia control panel, that is connected to the telephone number indicated in the specific field. This telephone number and the options **Disable tones check**, **Jump other answering device** and **Security recall** are described in the INSTALLATION MANUAL (see the "Customer", "Telephone" and "Teleservice" paragraphs).

When a customer is active, the described parameters acquire the indicated values; nonetheless, these parameters may be temporarily modified without modifying the active customer parameters; in fact, when the window is reopened the parameters return to the active customer values.

On selecting the **Dial** button, the connection procedure starts; its sequence is shown in the bottom window. At this stage the **OK** button cannot be selected, indicating that connection has not been established. When the connection procedure has been successfully completed, the following messages are displayed:

OMNI A ACK
Installer code recognized

The **OK** button may now be selected, to indicate that the connection has been established. When this button is selected, the connection window closes and the situation is very similar to the local connection of a PC, the difference being that all the data transfer commands (**Send**, **Load**) affect the panel connected via telephone.

- + The panel answers teleservice calls, only if previously enabled by the user by means of the En. /Di s. Tel eser. command on the Keypad USER MENU (see USER MANUAL).

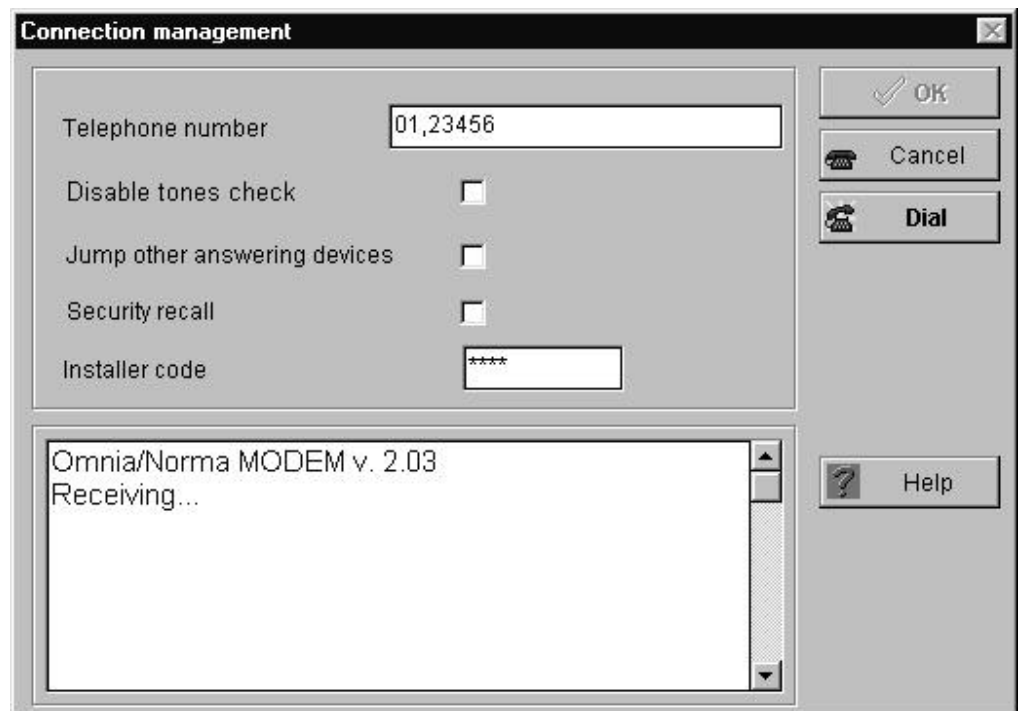


Figure 5 Window for the telephone connection to the Omnia Control Panel.

The bottom window of the **Connection management** window provides connection status information, by displaying the messages described below.

<i>Omnia/Norma MODEM v. x.xx</i>	<i>This specifies the modem version connected to the PC serial port.</i>
<i>Modem not recognized</i>	<i>The modem is not recognized on the selected serial port. Check the cable and the selected serial port in the Options > Serial ports menu item.</i>
<i>Receiving....</i>	<i>The Modem/PC system is waiting for an incoming call. This is the system status when the window opens.</i>
<i>RING</i>	<i>The modem is detecting rings on the telephone line.</i>
<i>BACK RING</i>	<i>After the dialling the telephone is ringing.</i>
<i>NORMA ACK</i>	<i>An NormaCom Control Panel has been acknowledged.</i>
<i>OMNIA ACK</i>	<i>An Omnia Control Panel has been acknowledged.</i>
<i>Installer Code reading error</i>	<i>The PIN sent by the software to the Control Panel cannot be read, probably due to the poor quality of the signal on the telephone line.</i>
<i>Lost connection</i>	<i>Communication to the Control Panel cannot be established probably due to the poor quality of the signal on the telephone line.</i>

On-hook By means of this command the OmniaMOD connection to the telephone line can be cut-off; when selected, the program requests confirmation and if the answer is YES, after several seconds connection disengaged is communicated.

Setup modem This command opens a window for parameter setting, described below, of the OmniaMOD modem connected to the PC.

Clock: sets the modem clock; the clock assigns the date and time to the central station calls (only possible with the OmniaMOD-V2).

Dial mode: sets the dialling mode for modem telephone dialling; if the modem telephone line supports **DTMF**, it should be selected as it is faster than **Pulse** dialling.

Buzzer: sets the function mode of the buzzer inside the modem; this provides sound indication of modem operation, as it transforms the data passing through OmniaMOD and Omnia into sounds.

The following settings are possible:

- **Default** - the buzzer is active until the connection between the modem and the panel is established;
- **Enable** - the buzzer is always active;
- **Disable** - the buzzer is disabled.

Rings: sets the number of rings OmniaMOD allows before answering the incoming call from the connected telephone number.



Options

Serial ports Opens a window where the PC serial port used for Omnia local connection (see **Local**), and the serial port used for OmniaMOD connection (see **Remote**) can be set up.

Firmware release Opens a window where the Omnia Firmware release being programmed can be set up. The firmware release determines the programmable data and their structure; it may be read by means of the Revisi on command in the Keypad INSTALLER MENU (see Fig. 6a), or on the Main unit micro-processor (see Fig. 6b). However, if the installer attempts to program an Omnia with a different firmware release to the one set in this window, the program displays a message and requests if the installer wishes to continue by setting the correct release.

Print-out heading This command is used to define a message with a maximum of 40 characters (e.g. the name of the installer, address, telephone number, etc.), that will be printed as header on each paper copy by means of the **Print** command.

Password By means of this command it is possible to define a password formed by a maximum of 8 characters. In this way only those with knowledge of the password may access the Omnia program. In order to prevent errors, the password must be entered twice, first in the **New Password** field and then in the **Check New Password** field: if these are different the **OK** button is not enabled. To change the password enter the current password in the **Old Password** field. To erase the password enter the current password in the **Old Password** field and no character in the **New Password** field and in the **Check New Password** field.

+ When the password has been erased, restart the program in order to enter a new password.

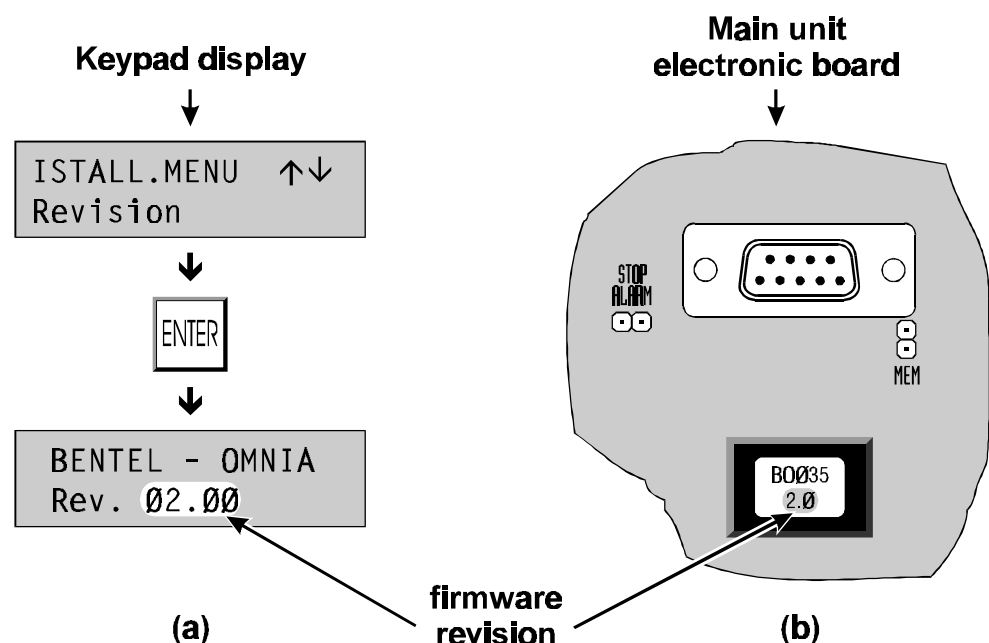


Figure 6 Reading of the Firmware Revision: a) from Keypad; b) from Main unit.



- + The password specified by means of this command, is the same as specified by the identical command in the **NormaCom** program and is also valid for the **DBManager** program.

Telephone parameters default By means of this command it is possible to specify the telephone-line parameters of the telephone line Omnia is connected to (Dial Tone, Busy Tone, Ring Length, Pause between rings, etc.). Every country has its own parameters, however, Omnia adapts to all types of parameters, therefore, correct use of the telephone line is guaranteed.

- + The selected parameters are sent to the connected control panel (locally or via telephone) with the {Telephone} page .

Panel status This command opens a window for the setting of the parameters relative to **Panel status** command.

Timer interval. This indicates the time-lapse between each status reading of the Control panel, carried out by the PC: it is possible to set from 2,000 through 32,767 mS (1,000 mS = 1 second).

Beep on status variation. On selecting this option the PC emits a beep for each status variation of the connected Control panel.

Language This command displays a list of languages of the **Omnia** program: it is possible to select one of the available languages (CZECH, ENGLISH or ITALIANO) or one of the languages created by means of the **Translat** program.

- + The selected language is available after program restart.
- + To change the language used by the Keypads, select the **LCD strings** command in the **Programming** menu.

Page

If a mouse is not available, use this menu to select the parameter page that must be set.

Help

Index This command displays the help-on line index.

Version The **Release** and **Version** of the program being executed are displayed when this command is selected.



Receiver

This program, combined with the OmniaMOD modem, transforms the PC into a security station which is able to receive automatically test calls from set up systems.

Translat

Translat is a program for the creation of new languages, which are not provided in the package.

A language is a group of words contained in the Omnia package and Keypad display.

DBManager

This program allows copying of customer data from one folder to another, and from one drive to another. For example, the customer data may be copied from the PC hard drive into a floppy disk to be used, by means of a notebook, at the place of installation.



