

Tipbx 5.4

**Configuration Software for
Telephone Switchboards
PABX 1-8 (Item 335818) and
PABX 2-8 (Item 335828)**

**USE
INSTRUCTION
MANUAL**

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Tipbx 5.4

Tipbx 5.4 program constitutes the basic tool for the configuration of the PABX 18 and 28 BTicino telephone exchanges.

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1. HARDWARE AND SOFTWARE REQUIREMENTS

For the correct operation of the programs, the following hardware and software are necessary:

Hardware Requirements : Personal Computer with Pentium >600 MHz processor
 128 MB of RAM memory
 SVGA graphic card with 640x480 resolution
 CD-ROM reader
 Mouse

Software Requirements : Windows 95 rel. B or higher.

Required space on hard-disk : 8 Mbyte

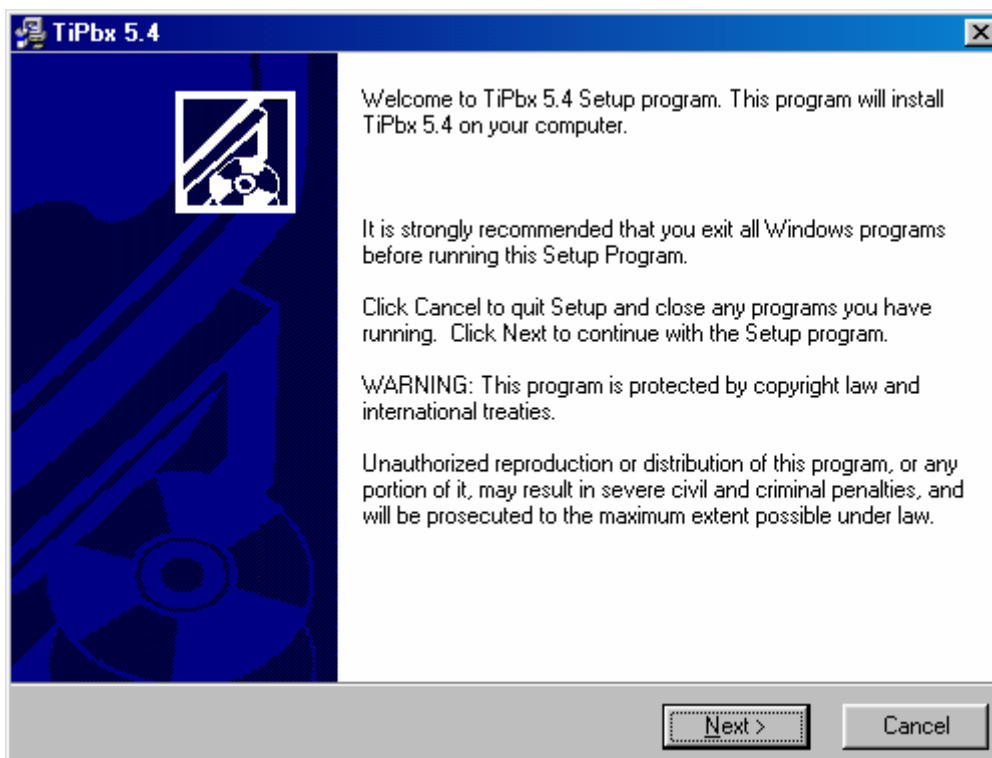
Any other additional resource is used by the program and it increases the performance of Tipbx 5.4

2. INSTALLATION

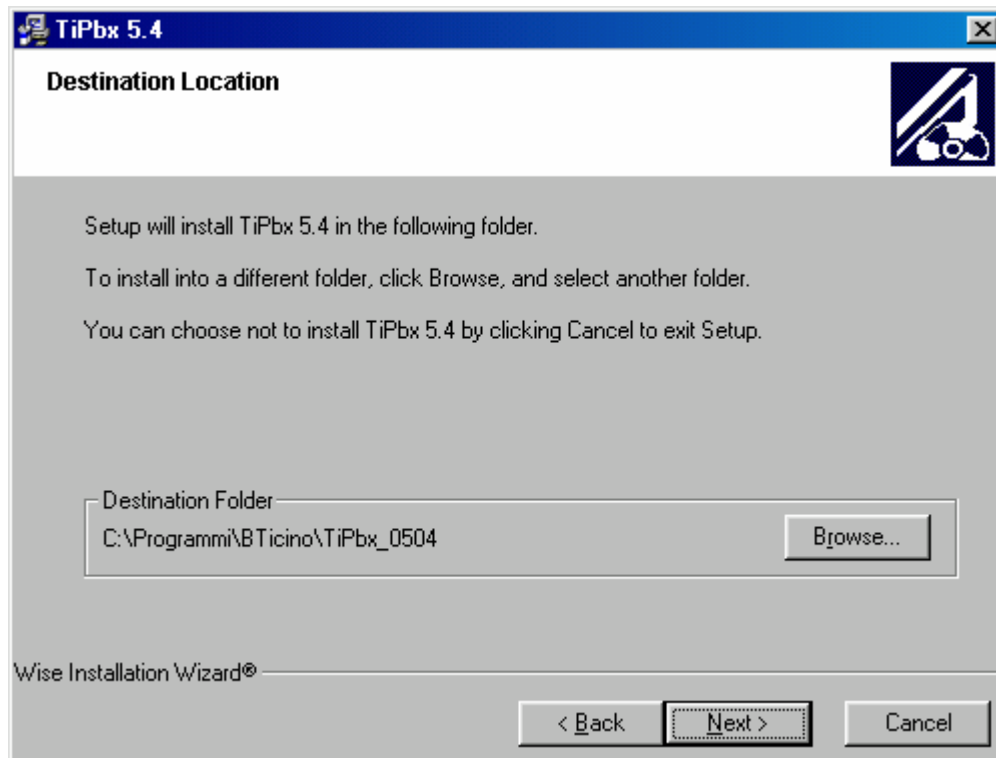
To install the program Tipbx, operate as follows:

- 3) Insert the Cd-Rom or the first floppy disk (in case only this driver is present) into the relevant drive (i.e. D: or A:)
- 4) Run the file setup.exe included in the installation directory of the application

At this point the installation program the following mask is shown:



When confirmed by the button, the installation continue with a window in which it is required to give the name of the directory in which the program has to be installed.

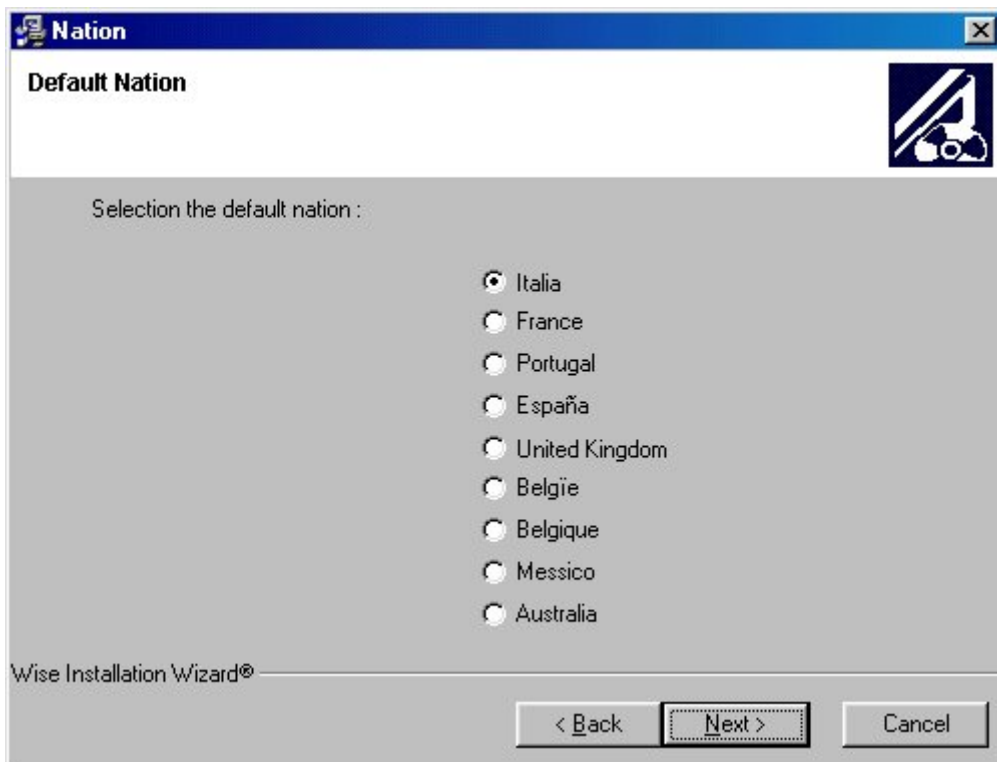


The installation procedure suggests the directory “C:\Programs\ TiPbx50”, however the user can select the preferred directory by means of the button”.

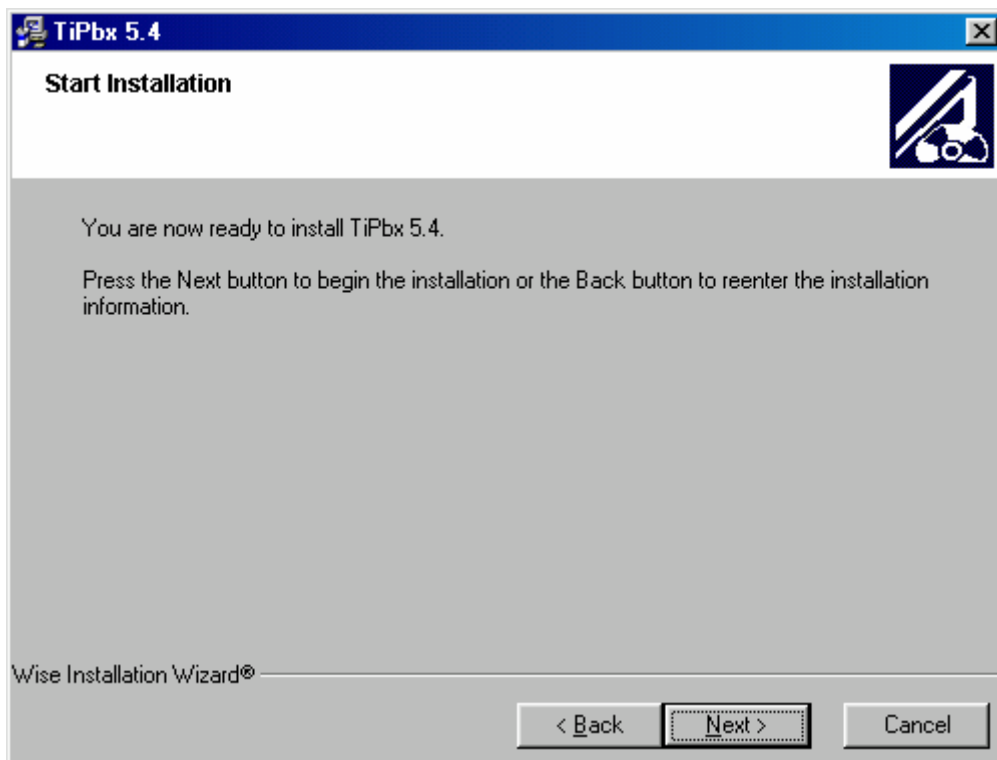
The next mask asks which language to use by the application



The installation continue asking which default nation to use by the application



To begin the installation press *Next* button in the following mask is shown:



Now it is possible to run the application by selecting the relevant icon, inserted by the setup program, in Start menu of Windows.

3. BASIC CONCEPTS

The software Tipbx 5.4 allows the configuration of the last generation PABX telephone exchange by BTicino, both version 1-8 and version 2-8.

It is advisable to read the PABX telephone exchange use instruction manual before using Tipbx 5.4.

Two different approaches exist to configure the PABX telephone exchanges:

- *Guided Configuration*

After answering a few questions, subdivided in subsequent steps (wizard), the configuration of the telephone exchange can be carried out by means of DTMF tones (telephone keys) sent from an indoor extension telephone.

Using this approach, most configurations can be configured.

- *Detailed Configuration*

After the generation of the project by means of the guided configuration (the only method to generate a new configuration project), should it be necessary to further vary the configuration, it is necessary to use this approach that allows the complete configuration of each single function present in the telephone exchange.

As function of this choice, necessarily the configuration must be sent to the PABX telephone exchange by means of the function *data downloading* via serial port (download).

Further functions in the application are:

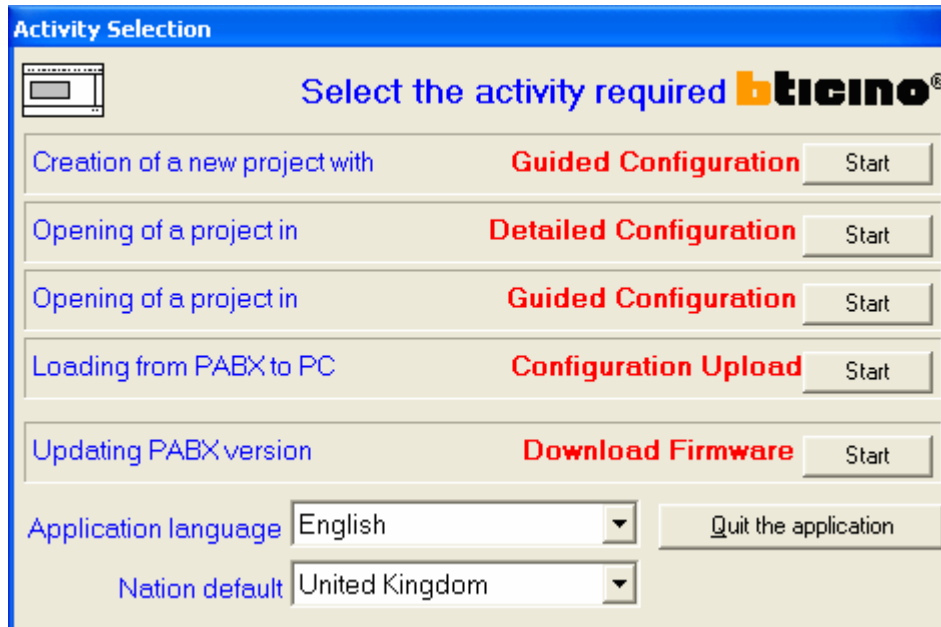
- Verification of the configuration present in the PABX telephone exchange by means of the function *Upload Configuration*, allowing to visualise the current configuration as a normal project.

This operation is done by means of a serial port.

- Updating of the firmware version of the PABX telephone exchange always done by means of the serial port.

4. SELECTION OF THE ACTIVITIES

In this phase, the available program functions are exposed to the user as shown in the following mask:



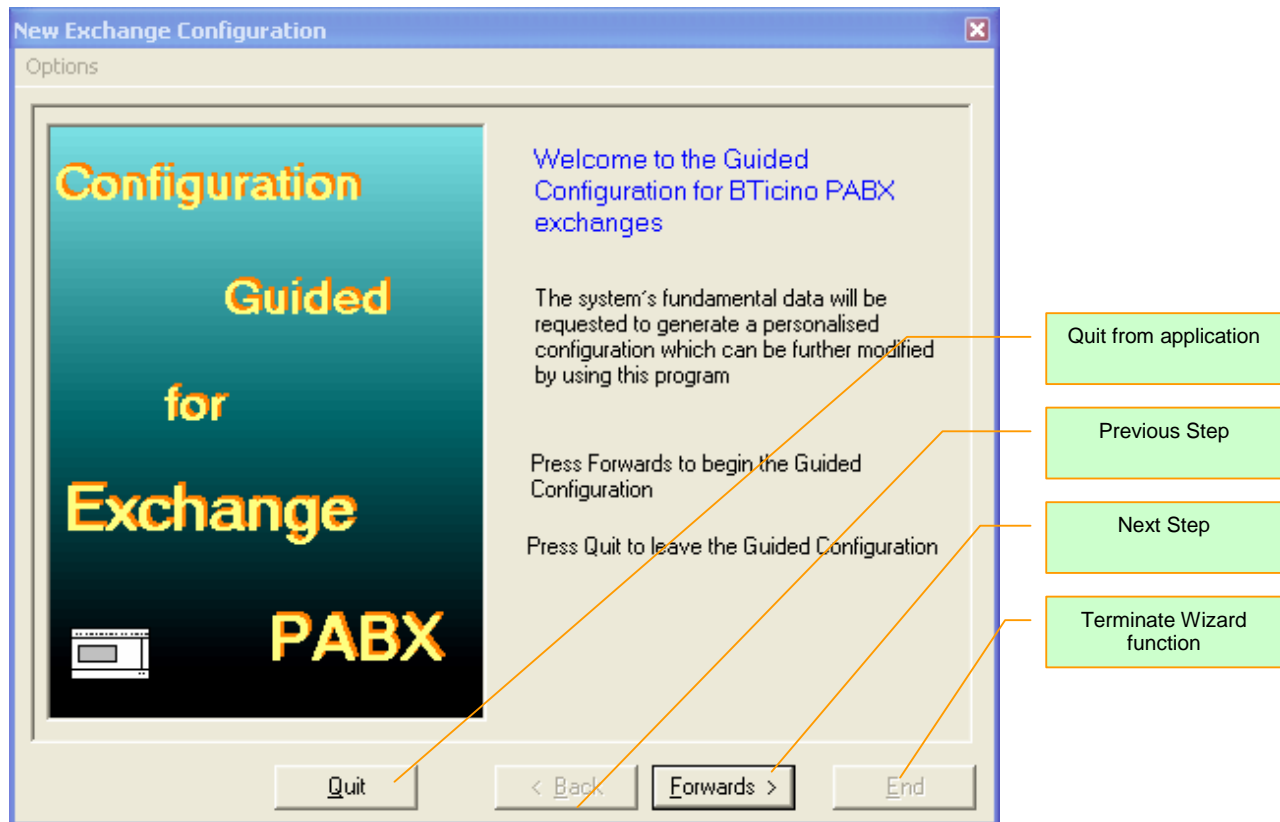
In particular, the following functions are available:

- **Creation of a new project by Guided Configuration**
By selecting this option, the function of creating a new project is performed through a series of guided operations (wizard) to make easier the configuration of the telephone exchange.
- **Opening a project in Detailed Configuration**
It allows to examine a project previously created in detailed mode
- **Opening a project in Guided configuration**
It allows to examine a project previously created in guided mode
- **Loading from PABX to PC Configuration upload**
It allows to visualise the active configuration in the PABX
- **Updating the PABX version**
It allows to update the firmware version of the PABX telephone exchange

5. NEW PROJECT OF GUIDED CONFIGURATION

By selecting this function, some masks in sequence are proposed to the user that allow a simple configuration of the PABX telephone exchange.

The first mask shown to the user is an informative note about the function potentiality:



The navigation among the different steps is obtained by means of appropriate buttons *Continue* and *Back*.

To exit the function in any moment, the button *Exit* is available.

At the end of the guided configuration, the button *End* will be enabled allowing to exit the function saving the executed configuration data.

5.1 Step 1 – Project Data

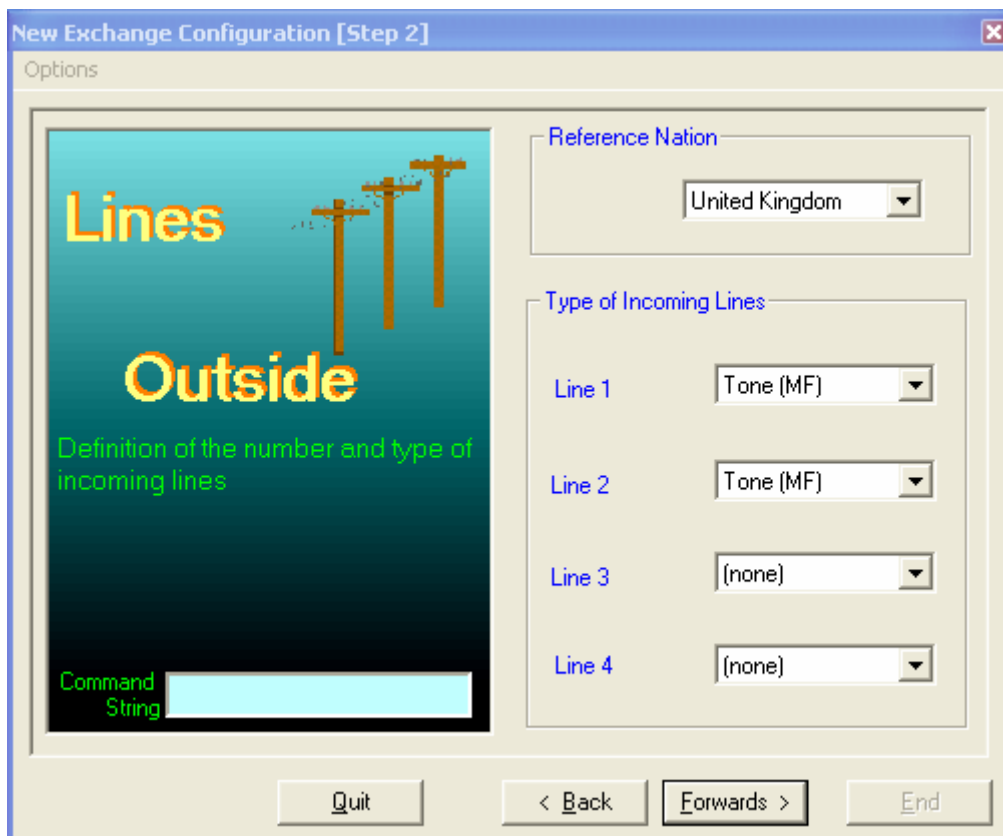
In this step, the user is required to input the project characteristic data and to choose the type of PABX to be configured

The screenshot shows a software window titled "New Exchange Configuration [Step 1]" with a close button in the top right corner. Below the title bar is a tab labeled "Options". The main area is divided into two parts. On the left, a dark blue gradient box contains the word "Data" in large orange letters, a small icon of a computer monitor, and the word "Project" in large orange letters. Below this, green text reads: "Enter the data of the customer to whom the project refers" and "Must type customer name and address and date". On the right, a light beige panel titled "Project data" contains four input fields: "Customer" with the text "Rossi Pietro", "Address" with "Via Carducci 5 Milano", "Date" with "19/11/05", and "PABX type" with a dropdown menu showing "335828". At the bottom of the window are four buttons: "Quit", "< Back", "Forwards >", and "End".

To continue, it is necessary to input the reference customer name and the address. The application proposes the current date as configuration date. Moreover, it is necessary to decide the type of telephone exchange to be configured, by selecting between *PABX 1-8* (Item 335818) and *PABX 2-8* (Item 335828).

5.2 Step 2 – Local Lines

In this phase, it is required to define the reference Nation for the line parameters and the number of the present local lines.



In particular:

- **Reference Nation:**
It is necessary to select the Nation in which the telephone exchange has to be installed, by selecting it through the appropriate curtain box
- **Input line types**
Depending on the telephone exchange type selected in step 1, it will be enabled from 1 to 4 input local lines.
The user must decide which type of line will be available by selecting between *selection by means of Tones* or *selection by means of pulses (Pulse)*

All selected lines must be of the same type.

In the box *Command string*, the eventual macro-command will appear that will be used to carry out the required configuration

5.3 Step 3 – Partitions

In this phase, the possible presence of *partitions* has to be decided (refer to PABX telephone exchange use instruction manual) and the type of duty (Office or Family)



In case a type 1-8 telephone exchange has been selected, no configuration is possible.

5.4 Step 4 – Answering service Modem Fax

Since the PABX is provided with preferential lines for data transmission, the presence of special devices as answering service, modem or fax is defined in this phase.



5.5 Step 5 –Automatic Answering

In this section is defined the telephone exchange eventual automatic conduct consequently to an input call on a determined local line
For the different modes, refer to PABX telephone exchange use instruction manual

| | LU1 | LU2 | LU3 | LU4 |
|----------------------|----------------------------------|----------------------------------|--------------------------|--------------------------|
| None | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Disa | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Incoming filter | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Dosa | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Remote activation | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Recognition Fax tone | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- Activating the Remote control service on local line 1 the caller identification service (CLID) cannot be activated.
- The Remote control service and Recognition of fax tone services cannot be activated at the same time on the same local line.
- To activate the Remote control service at least one auxiliary relay must be configured as being able to be remotely activated.
- To activate the Recognition of fax tone service at least one extension must be configured as Fax

5.6 Step 6 – Auxiliary Relays

The conduct of the eventual auxiliary relays connected to the PABX is defined here, in addition to the internal relay



The following selections are available for each relay:

- Tele-activable 2 seconds
- Tele-activable 3 minutes
- Tele-activable On / Off
- Not tele-activable 2 seconds
- Not tele-activable 3 minutes
- Not tele-activable On / Off
- Stair Lights 2 seconds
- Call repeater

5.7 Step 7 – Video Door Entry Systems

In case the integration with a video door entry system is planned, in this section it is possible to select the code of an installation diagram.

New Exchange Configuration [Step 7]

Options

Video Door entry

Command String

Insert number of system to be realised

Leave the field white if no video functions are required or in case they are to be configured manually

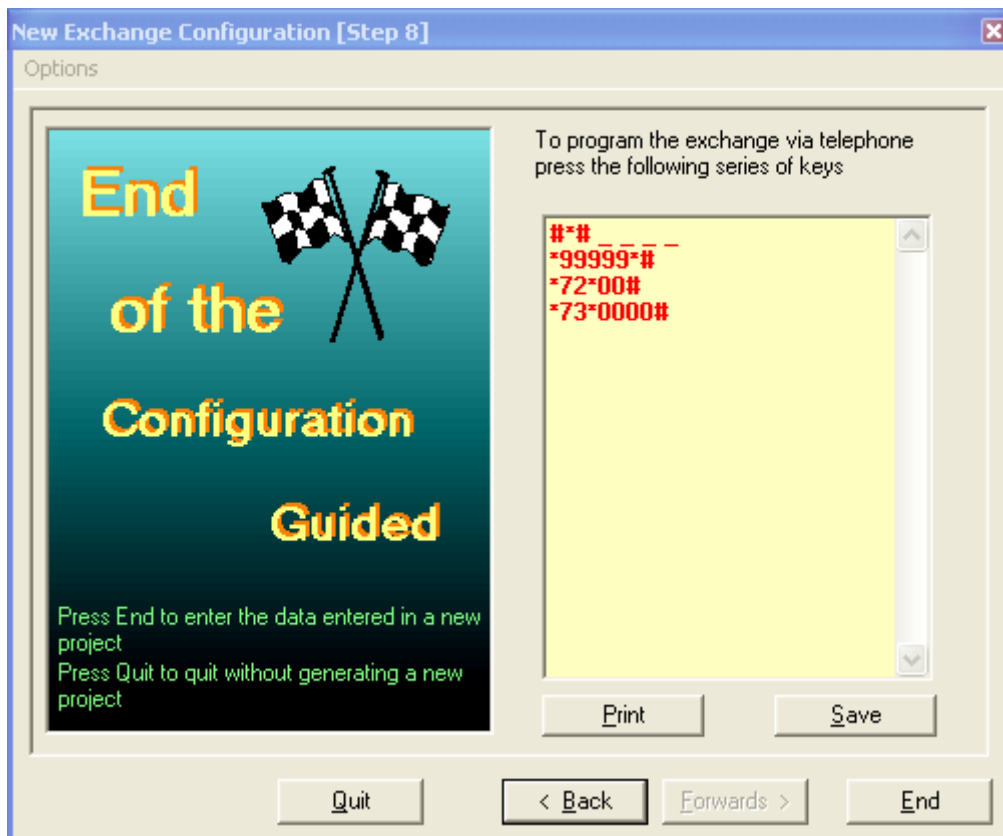
Number of diagram:

Quit < Back Forwards > End

For the number of the installation diagram, please refer to the BTicino technical literature.

5.8 Step 8 – End of Guided Configuration

The guided configuration of the telephone exchange parameters is complete.



At this point, the user has the following possibilities:

- **Print**

All macro-commands foreseen to configure the telephone exchange as desired. The printout may be used to program the PABX from an indoor extension

- **Save**

The selected options in all steps carried out in a file are saved

- **Exit**

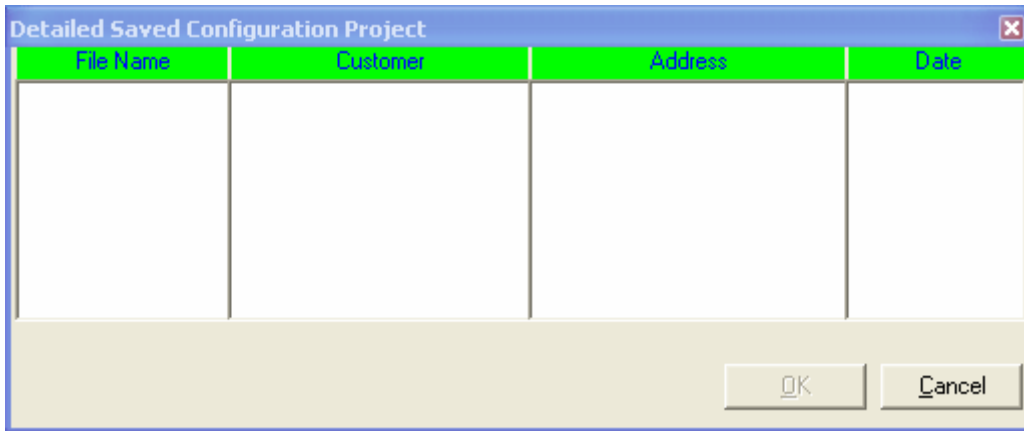
Exits the guided configuration without saving the data

- **End**

Ends the guided configuration and proposes the entry in detailed configuration mode by means of a dialogue window.

6. OPEN A PROJECT IN DETAILED CONFIGURATION MODE

By selecting this option, the following mask is shown to the user:



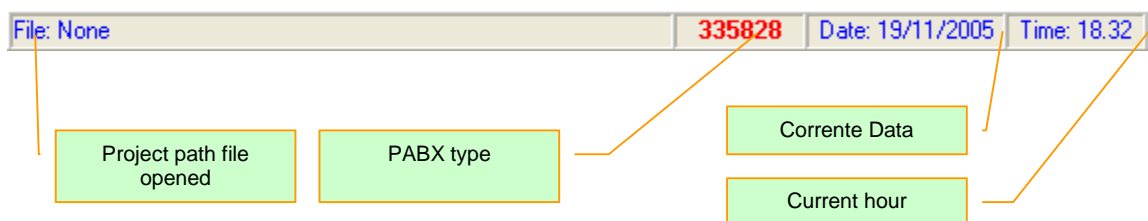
All projects in detailed mode created by the application are visualised. Then, the user can select the desired one and he can visualise it, by clicking the button *Open*.

For a correct navigation during the configuration phase, it is advisable the use of the arrows placed in every page.

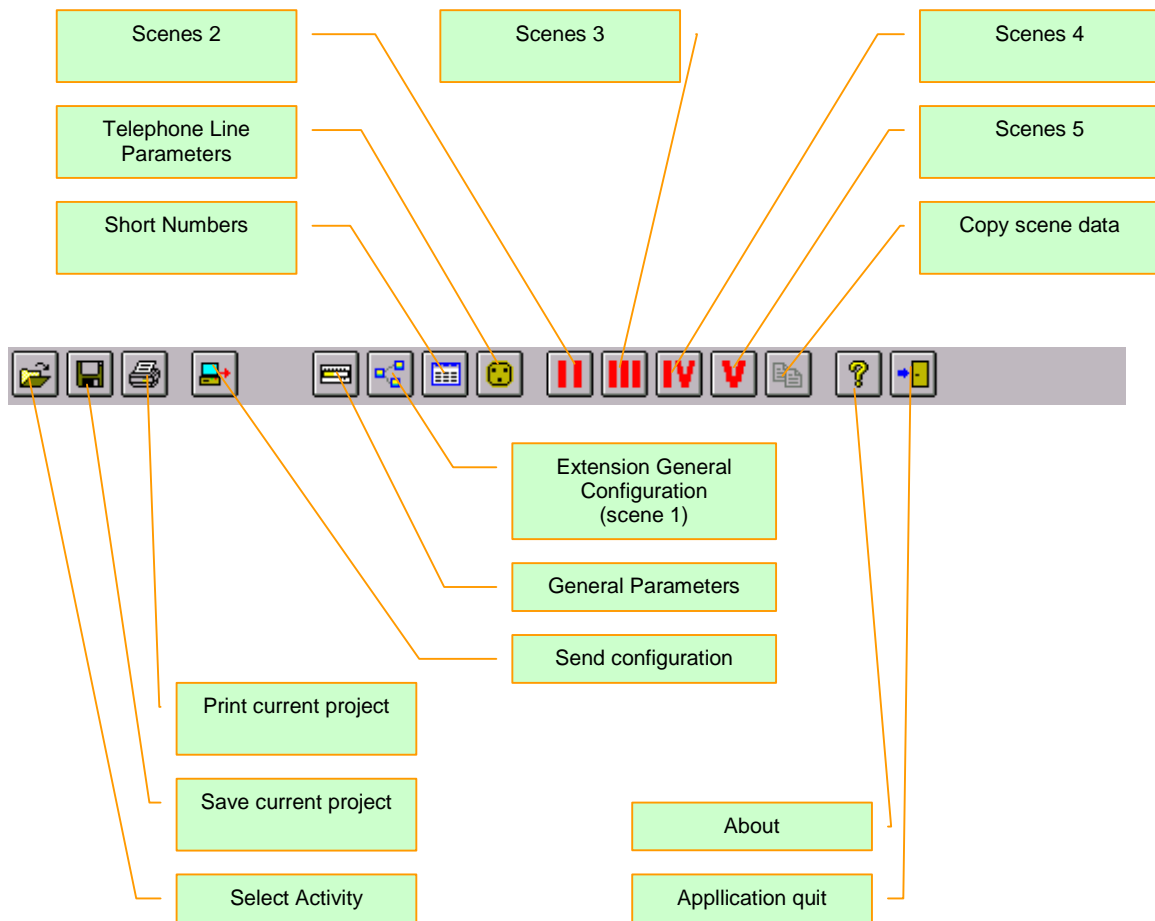


In the following, the different program functions available in detailed mode are shown.

■ Status bar



■ Tool bar



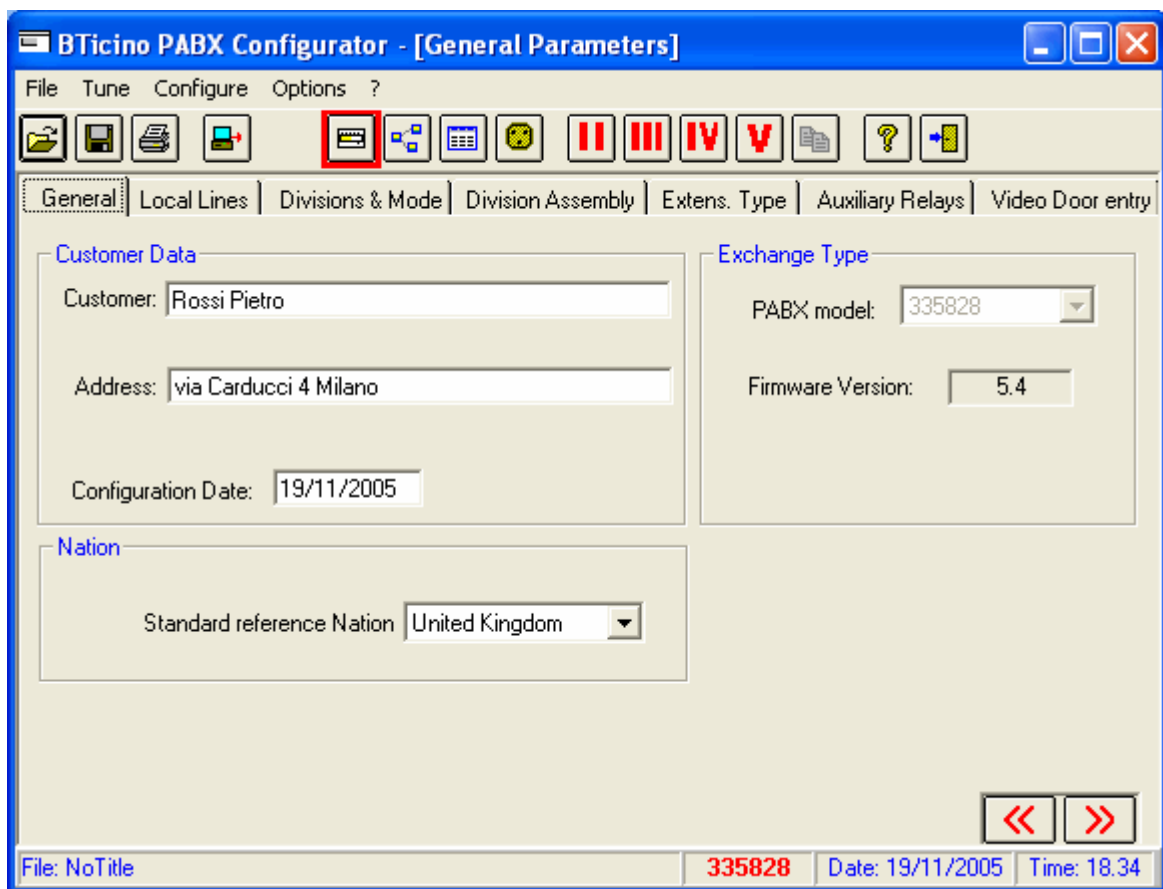
Each button present in the tool bar has its relevant menu.

6.1 General Parameters

In this section are grouped all characteristic data of the plant to be configured for the telephone exchange.

6.1.1 General Section

The selections of step 1 of guided configuration are resumed



The screenshot displays the 'BTicino PABX Configurator - [General Parameters]' window. The interface includes a menu bar (File, Tune, Configure, Options, ?) and a toolbar with various icons. The 'General' tab is selected, showing the following configuration fields:

- Customer Data:**
 - Customer: Rossi Pietro
 - Address: via Carducci 4 Milano
 - Configuration Date: 19/11/2005
- Exchange Type:**
 - PABX model: 335828
 - Firmware Version: 5.4
- Nation:**
 - Standard reference Nation: United Kingdom

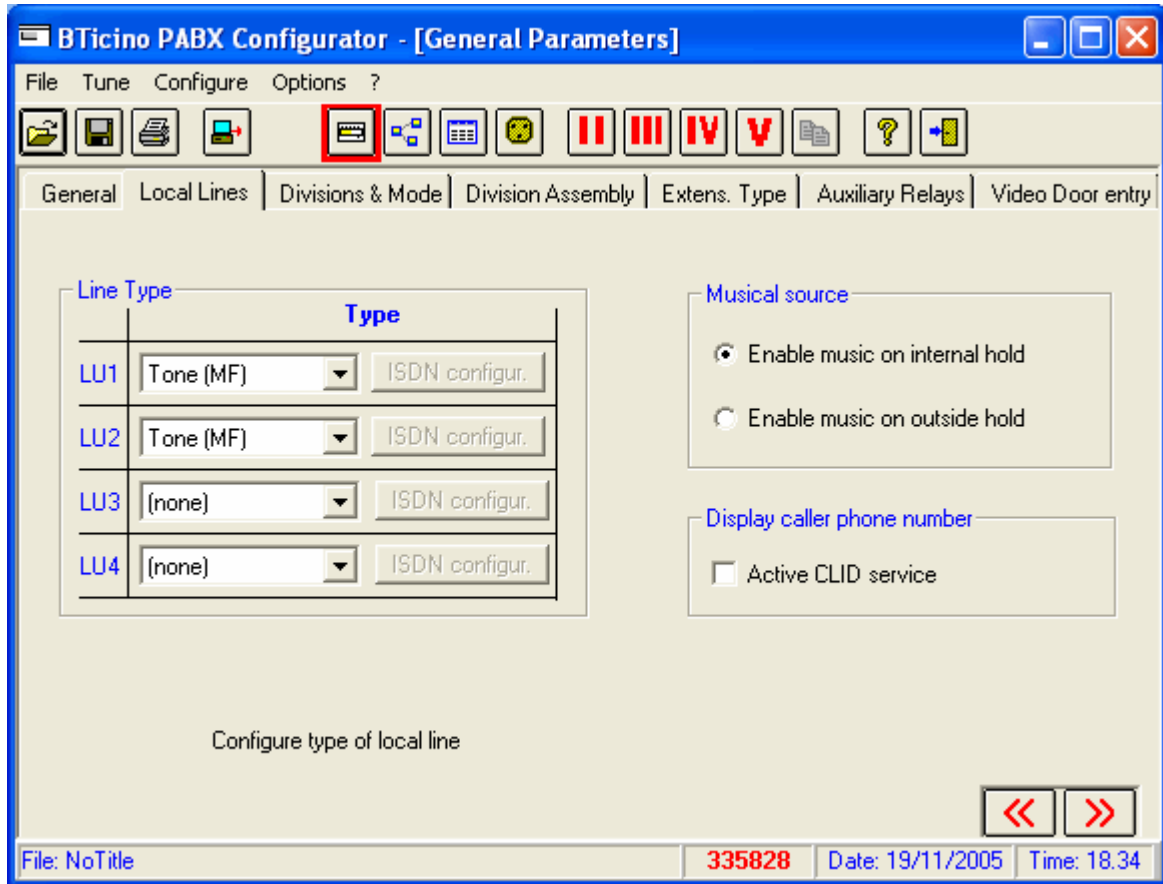
Navigation buttons (left and right arrows) are located at the bottom right. The status bar at the bottom shows 'File: NoTitle', '335828', 'Date: 19/11/2005', and 'Time: 18.34'.

In particular, by selecting a Nation, the characteristic data of the telephone line of the nation itself are loaded.

The selection of the project PABX type is not available; in order to change the type it is necessary to create a new project

6.1.2 Local Line Section

The selections of step 2 of guided configuration are recalled



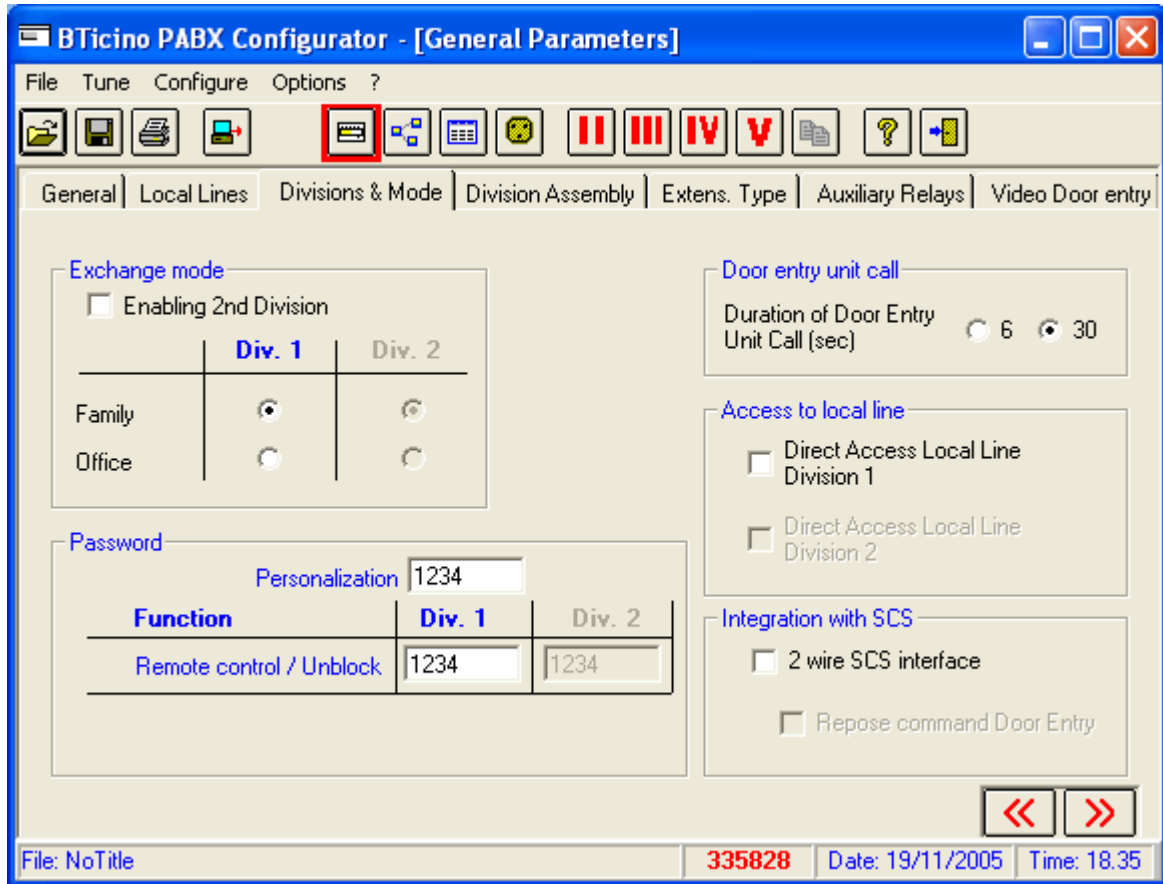
Moreover, it is possible to decide the source of the wait music:

- Internal, autonomously produced by the telephone exchange
- External, supplied to the telephone exchange by the appropriate entry
- Enabling on slave 1 of the caller identifier displaying from local line 1

The caller identification service (CLID) cannot be activated if the Recognition of fax tone service is active on local line 1.

6.1.3 Partition and Mode Section

The selections of step 3 of guided configuration are resumed



Moreover, the following options are available:

- Length of intercom call

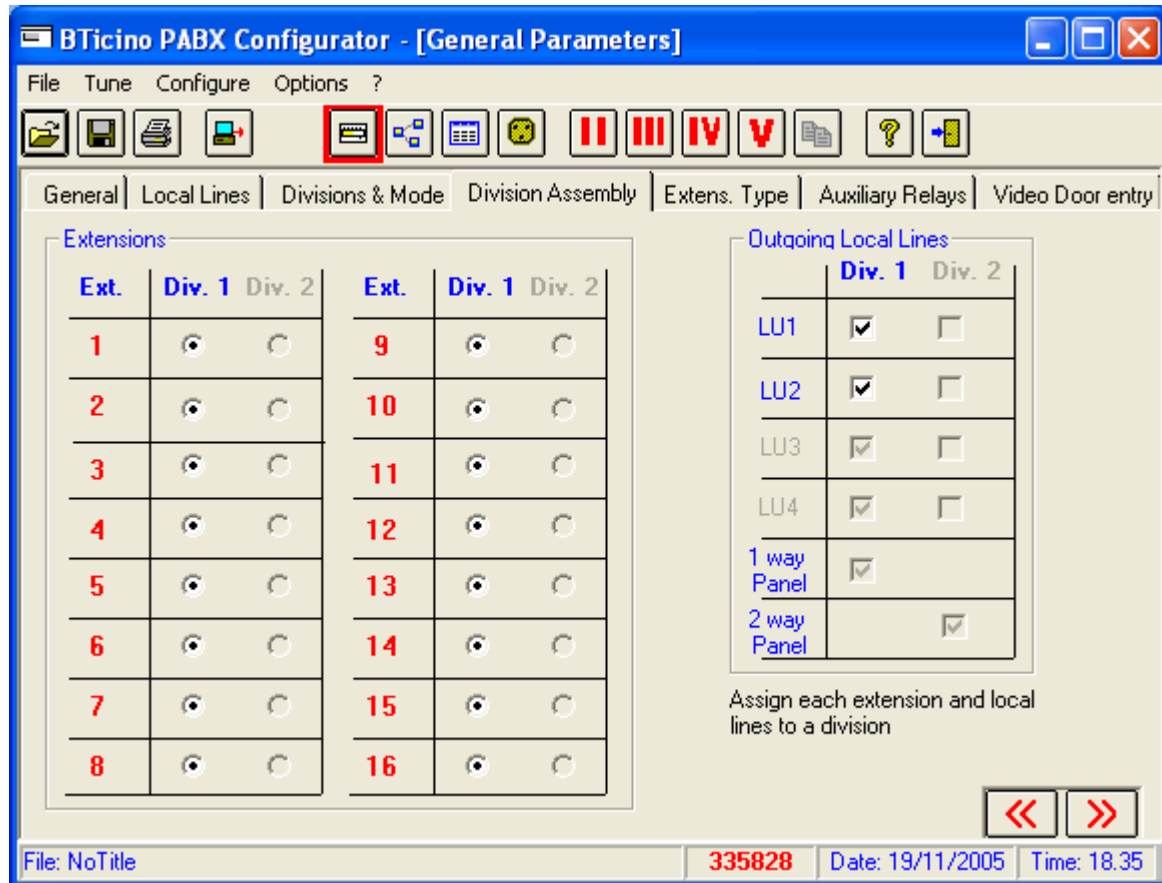
It allows to define the length in seconds for a call coming from an outdoor station

- Password

All passwords are configured for the access to the telephone exchange programming
For the different functions, refer to *PABX telephone exchange use instruction manual*.

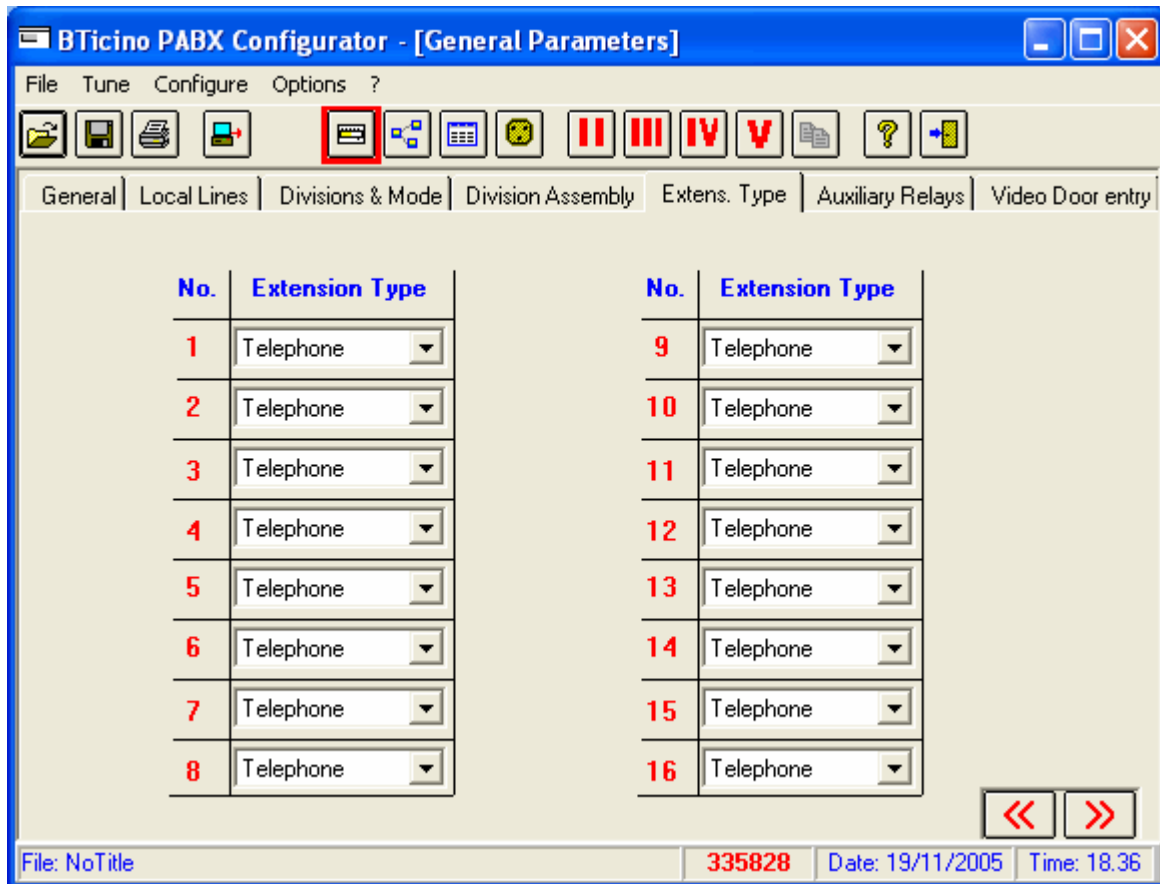
6.1.4 Partition Allocation Section

In this section is defined the belonging of an extension to a defined partition (if enabled). Moreover, it is defined the belonging of an outgoing local line to a particular partition.



6.1.5 Extension Type Section

Here is defined the type of device connected to an indoor extension.



The available selections are:

- Telephone
- Automatic answering
- Fax
- Modem
- Automatic answering + Fax
- Automatic answering + Modem + Fax
- Modem + Fax

6.1.6 Auxiliary Relay Section

Here, the conduct for the PABX internal auxiliary relay and for any internal auxiliary relay is configured.

| | Relay Type | Activation Time | Div. 1 | Div. 2 | E.S. 0 | E.S. 1 | E.S. 2 | Ext. rep. |
|------------------|--------------------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----------|
| Internal 0 relay | StairLights | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 1 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 2 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 3 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 4 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 5 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 6 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 7 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Relay 8 | Cannot be rem.cont | 2 sec. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

Many more options are available with reference to those present in step 6 of the guided configuration.

In particular, it is possible to set:

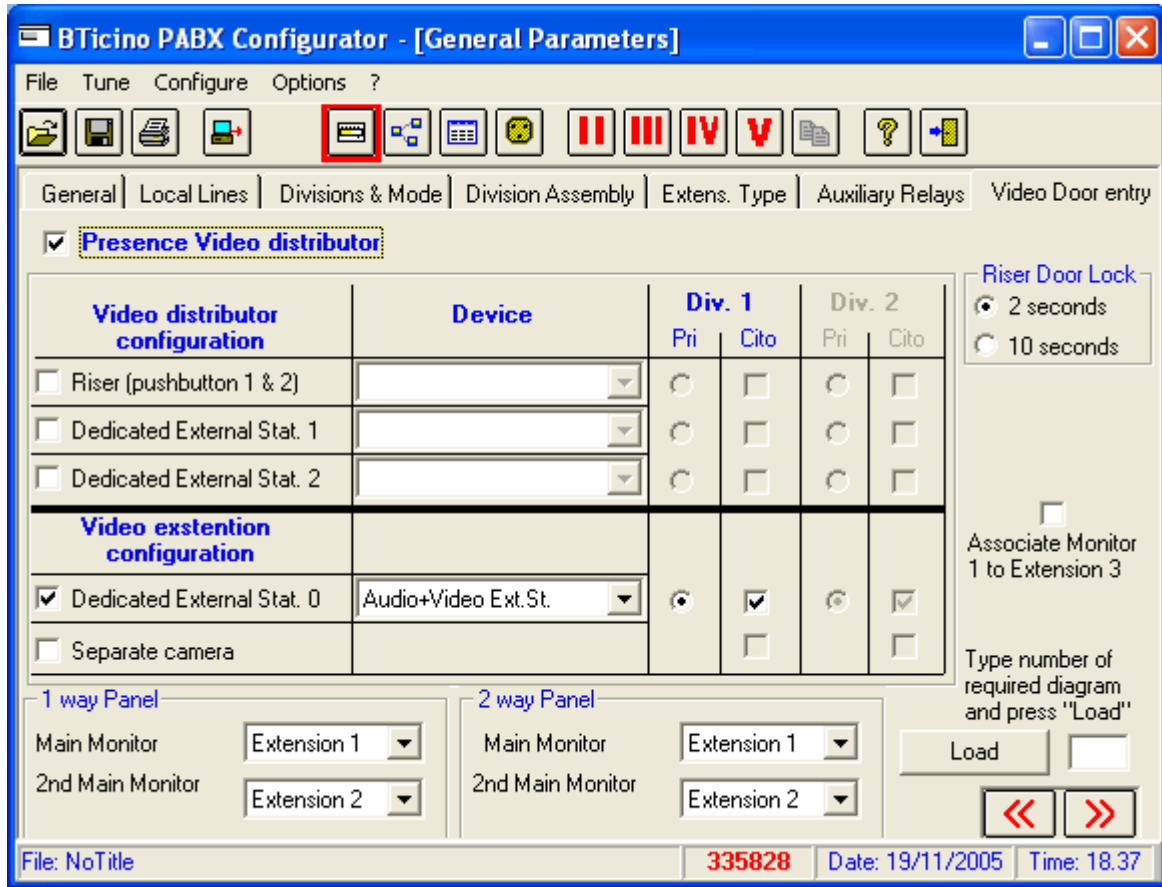
- Relay type and activation time
Similar to settings present in guided configuration
- The belonging partition (if enabled)
- The relevant outdoor station, it can be selected among the present three ones
- The indoor extension, of which the relay executes the repetition of the incoming call

Note: *If a relay is configured as being able to be remotely activated and there is no line with the Remote Control service active, the user will be asked to select on which of the lines available the service will be activated.*

The lines which can be selected only refer to scenario 1.

7.1.7 Video Door Entry Section

In this section is configured the possible video door entry system.



For single configurations, please refer to the use instruction manual of the PABX switchboard.

It is possible to define the system to be realised (corresponding to one of the wiring diagrams included in the *Video Signal Distributor's* manual), by simply inserting the code into its special space and then pressing the *Load* key.

Note:

The acronym *PRI* in the mask indicates the Main External Station (riser or dedicated). The indication *Cito* in the mask indicates the enabling / disabling of the switching on and door lock control of the external stations.

6.2 Extension General Configuration

In this section, the conduct of the single extensions is configured in consequence of an outgoing or incoming call together with the conduct of the telephone exchange in case of automatic answering.

6.2.1 Call Enabling Section for extensions 1-8 / 9-16

The local line from which it is possible to receive an incoming call is defined, for each indoor extension.

Moreover, it is defined by which button of the outdoor station the extension is able to receive an intercom call.

| No. | Extension Type | Behaviour | LU1 | LU2 | LU3 | LU4 | 1 way Panel | 2 way Panel | Door services |
|-----|----------------|--------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 | Telephone | Rings Immed. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

The button *Extensions to partitions* allows to re-position the configuration of the page referring to the pre-defined one.

6.2.2 Outgoing Enabling Section

It is configured which local line, among the available ones, can be used by any single indoor extension to execute an external call.

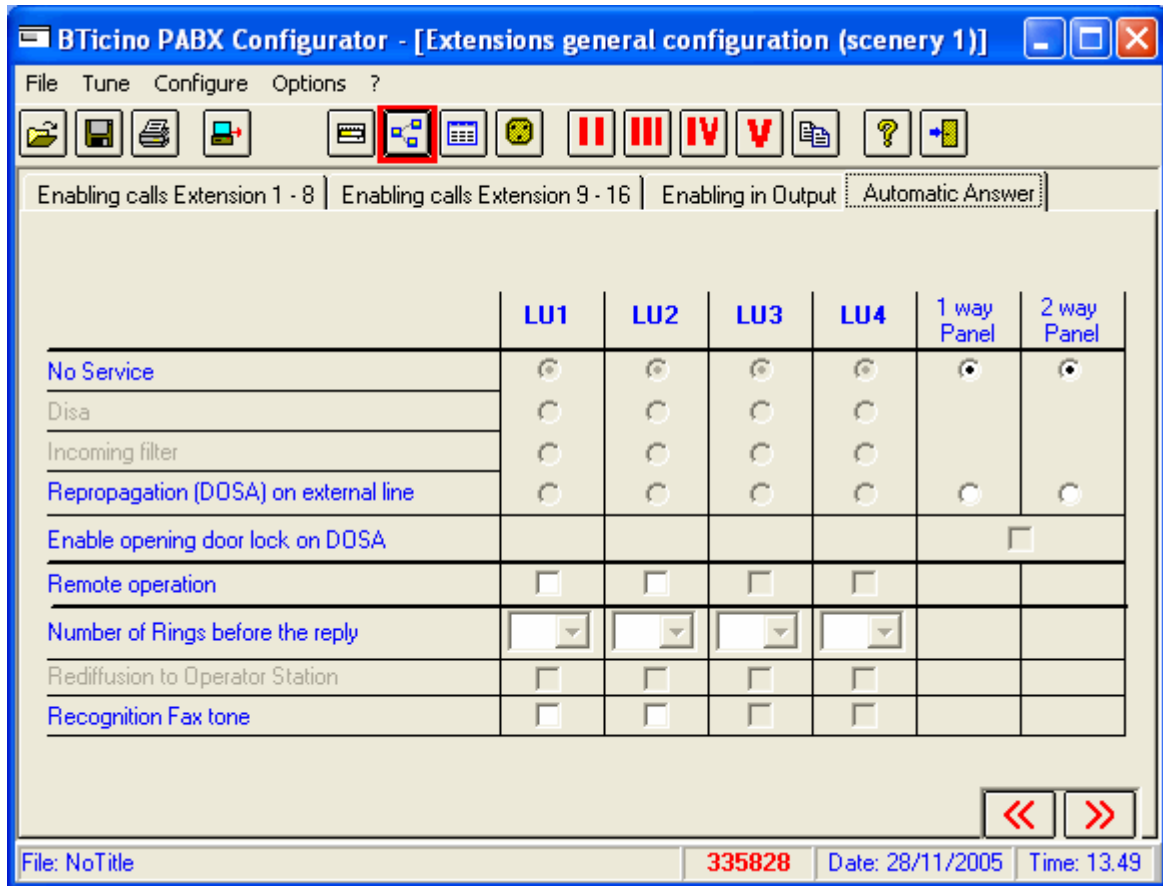
The screenshot shows the 'BTicino PABX Configurator' window for 'Extensions general configuration (scenery 1)'. The interface includes a menu bar (File, Tune, Configure, Options, ?), a toolbar with various icons, and a tabbed interface with four tabs: 'Enabling calls Extension 1 - 8', 'Enabling calls Extension 9 - 16', 'Enabling in Output', and 'Automatic Answer'. The 'Enabling calls Extension 1 - 8' tab is active, displaying a table of extension configurations. The table has columns for 'Extension' and four local units (LU1, LU2, LU3, LU4). All checkboxes in the table are checked. The status bar at the bottom shows 'File: NoTitle', '335828', 'Date: 19/11/2005', and 'Time: 18.38'.

| Extension | LU1 | LU2 | LU3 | LU4 |
|-----------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

6.2.3 Automatic Answering

The selections carried out in step 5 of the guided configuration are resumed and increased.

For the different services quoted in the page, refer to *PABX telephone exchange use instruction manual*.



- Activating the Remote control service on local line 1 the caller identification service (CLID) cannot be activated.
- The Remote control service and Recognition of fax tone services cannot be activated at the same time on the same local line.
- To activate the Remote control service at least one auxiliary relay must be configured as being able to be remotely activated.
- To activate the Recognition of fax tone service at least one extension must be configured as Fax, in contrary case the service does not work.
Caution, in the service control procedure the extensions will be configured as FAX. If they are also to be configured as modem or answering machine see the “Extension type” page.
- On activating the DOSA service you can decide whether to enable opening the door lock from the remote telephone or not (see Enable opening door lock on DOSA)

Note: If the DOSA service is activated make sure that the corresponding telephone number has been configured in the Emergency numbers section.

6.3 Telephone Numbers Index

In this section are grouped all telephone numbers memorised in the telephone exchange and usable by the user, together with the eventual blocks on the outgoing dialling numbers.

6.3.1 Emergency Numbers Section

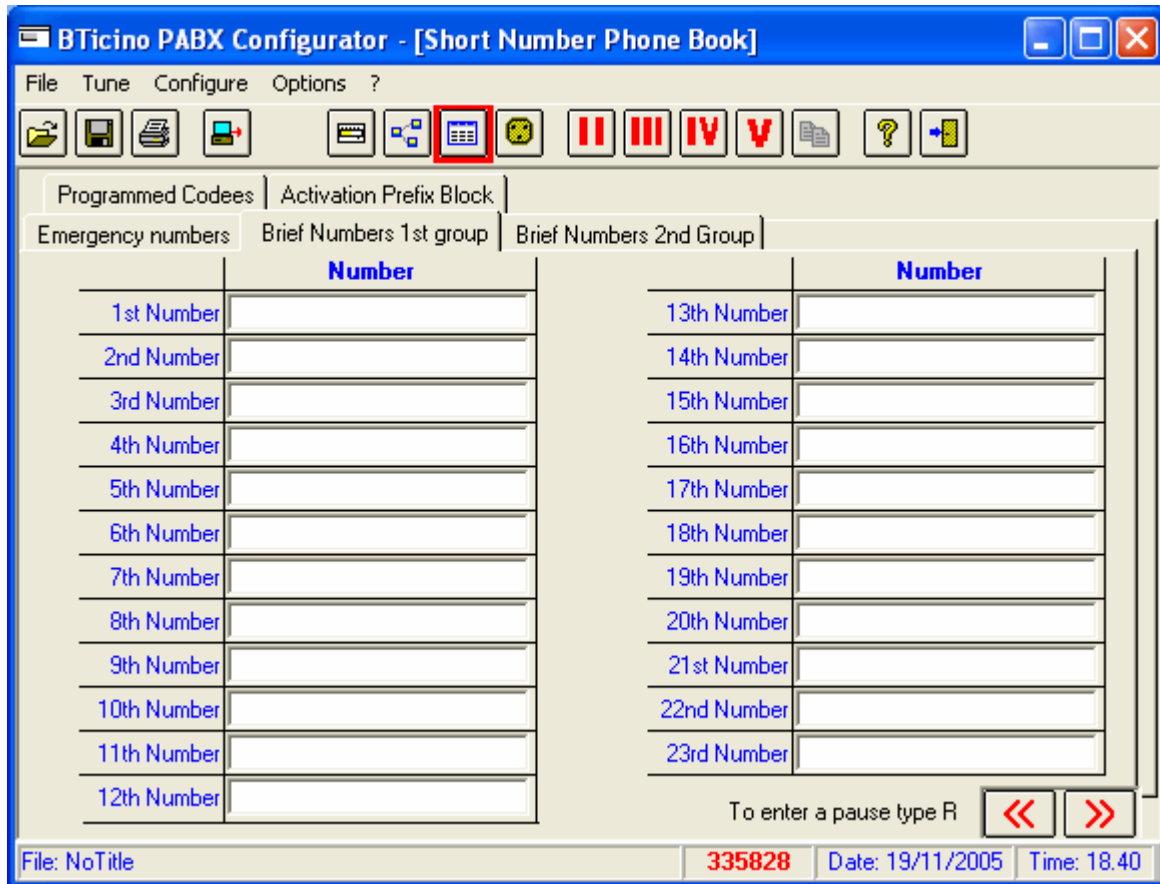
The emergency numbers are reported (that is, the numbers that it is possible to dial in any case).

The screenshot shows the BTicino PABX Configurator interface. The title bar reads "BTicino PABX Configurator - [Short Number Phone Book]". The menu bar includes "File", "Tune", "Configure", and "Options ?". The toolbar contains various icons, with the "Emergency Numbers" icon (a telephone handset) highlighted by a red box. Below the toolbar, there are tabs for "Programmed Codes", "Activation Prefix Block", "Emergency numbers", "Brief Numbers 1st group", and "Brief Numbers 2nd Group". The "Emergency numbers" tab is active, displaying the "Emergency Numbers" section. This section contains two columns of input fields for numbers 1 through 10. A "Default" button is located at the bottom right of this section. Below the "Emergency Numbers" section, there are two other sections: "Hot Line Function Numbers" and "DOSA Function Numbers". The "Hot Line Function Numbers" section has two rows for "Hot Line 1" and "Hot Line 2", each with a "Number" input field. The "DOSA Function Numbers" section has two rows for "DOSA 1" and "DOSA 2", each with a "Number" input field. At the bottom of the window, there are navigation arrows and a status bar showing "File: NoTitle", "335828", "Date: 19/11/2005", and "Time: 18.39".

Through the *Default* key the emergency numbers are reported for the selected nation.

6.3.2 1st and 2nd group Short Numbers Section

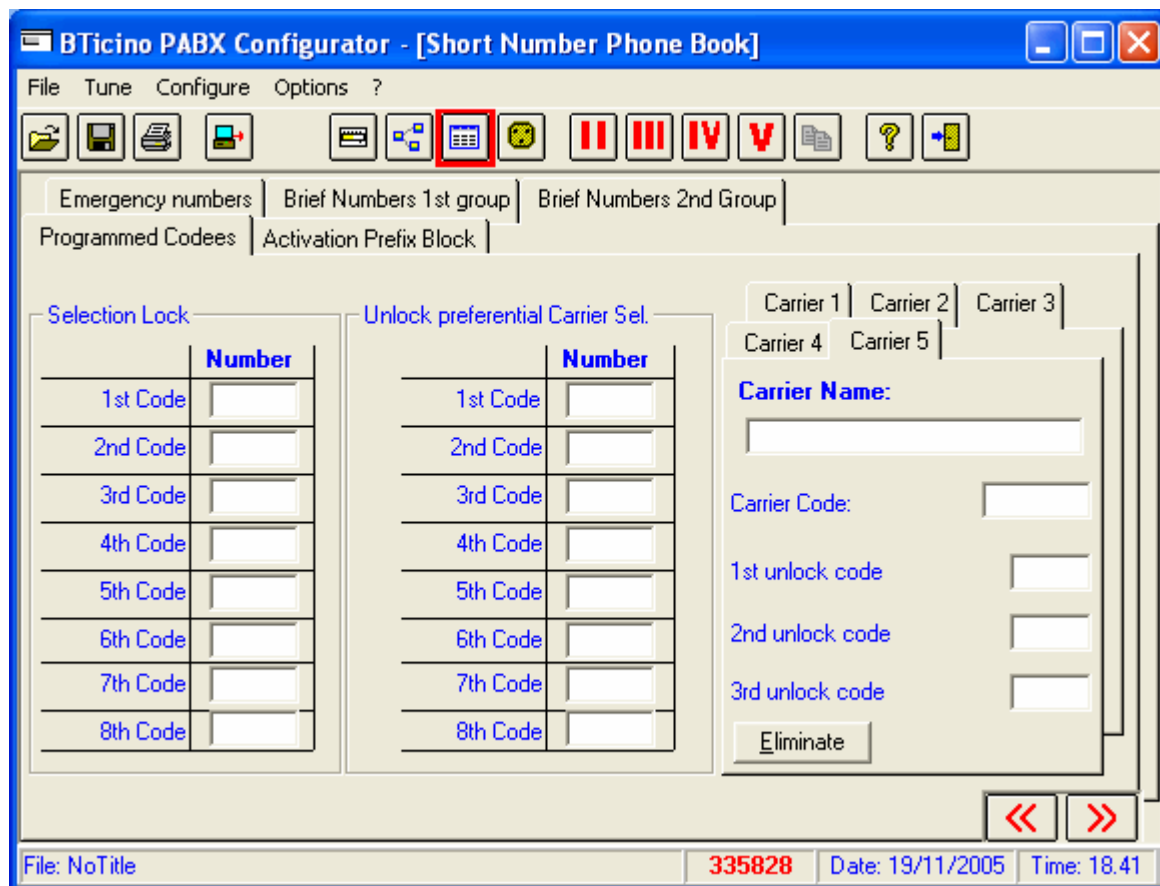
They are at user's disposal to memorise the most used telephone numbers. They are dialled automatically by placing the code 30 before the short number



For example, to dial the 1st number it is necessary to digit the code 3001

6.3.3 Programmed Dial Codes Section

This section resumes the configurations carried out in step 7 of the guided configuration.



In particular, the following configurations are present:

- Block of Selection

All telephone numbers during an outgoing external call starting with the set codes are blocked

- Unlock Selection for the preferential carrier

All telephone numbers during an outgoing external call starting with the set codes are normally sent

- Companies

A maximum of 5 Companies are configured, by setting the dedicated dial code and the unblock code

For further informations, see the *PABX telephone exchange use instruction manual*.

6.3.4 Activation Prefix Lock

The configuration can be diversified for each extension

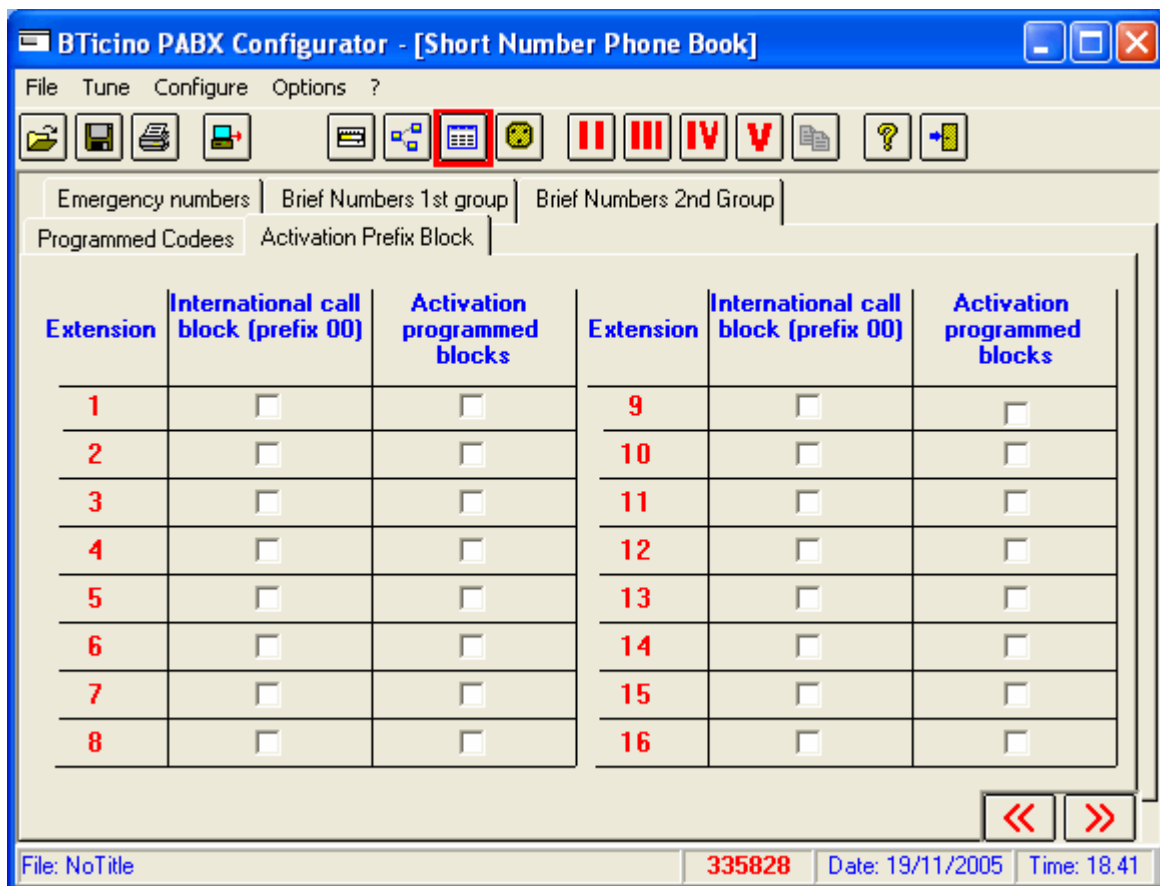
The options available are:

- if the “Lock international calls” has been selected the international prefix 00 cannot be dialled.
- Selecting the “Activation programmed locks” option activates the lock of the prefixes programmed in the “Programmed prefixes” page.

Note:

If you want to activate both locks for the same extension at the same time:

- enter the prefix 00 in the “Programmed prefixes” page (in addition to the prefixes already entered) in the “Dialling lock” table.
- Activate just the “Programmed locks” option



6.4 Telephone Parameters

In this section are configured the time parameters of the telephone line and the flexible codes for additional services

6.4.1 Telephone Line Parameters Section

Referring to the reference nation, the application loads the default values

| | Minimum | Maximum | Unit | |
|---|---------|---------|------|---------|
| Recognition key R (Recall or Flash) | 7 0 | 15 0 | ms | Default |
| Recognition Touch Dialling Impulse | 4 0 | 6 0 | ms | |
| Recognition Touch Dialling Number Pause | 2 0 | 6 0 | ms | |
| Recognition End Touch Dialling Number & Flash | 10 0 | | ms | |
| Recognition Line Busy | 5 0 | | ms | |
| Recognition Line Hang up | 25 0 | | ms | |
| Time TouchDialling Nr Imp. on Local Line | 6 0 | | ms | |
| Time TouchDialling Nr Pause on Local Line | 4 0 | | ms | |
| Time TouchDialling Nr End on Local Line | 80 0 | | ms | |
| Duration Key R (Flash) Impulse on Local Line | 10 0 | | ms | |
| Recognition of call impulse from Local Line | 100 0 | | ms | |
| Pause impulse recognition from Local Line | 400 0 | | ms | |

The *Default* button allows to change the parameters present in the section into the default ones for the selected nation

6.4.2 Family Flexible Codes

For each service available in PABX in *Family* mode, the reference activation codes are configured

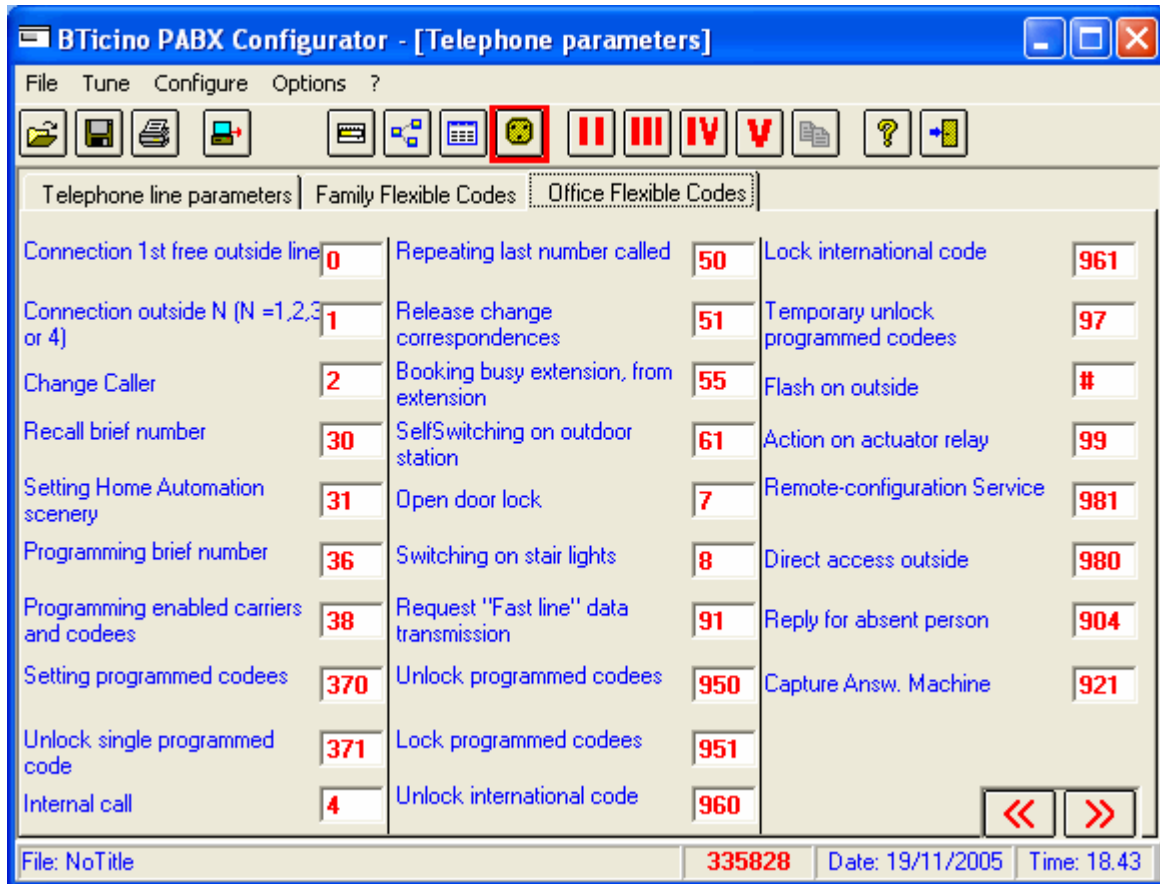
| Service | Code | Service | Code | Service | Code |
|---|------|--|------|------------------------------------|------|
| Connection 1st free Local Line | 0 | Repeating last number called | 50 | Lock international code | 961 |
| Connection Local Line N (N=1,2,3 or 4) | 1 | Release change correspondences | 51 | Temporary unlock programmed codees | 97 |
| Change Caller | 2 | Booking busy extension, from extension | 55 | Flash on outside | # |
| Recall brief number | 30 | Selfswitching on outdoor station | 61 | Action on actuator relay | 99 |
| Setting Home Automation scenery | 31 | Open door lock | 7 | Remote-configuration Service | 981 |
| Programming brief number | 36 | Switching on stair lights | 8 | Direct access outside | 980 |
| Programming enabled carriers and codees | 38 | Request "Fast line" data transmission | 91 | Room Monitor | 920 |
| Setting programmed codees | 370 | Unlock programmed code | 950 | | |
| Unlock single programmed code | 371 | Lock programmed code | 951 | | |
| Internal call | 4 | Unlock international code | 960 | | |

For further informations on single services, see the *PABX telephone exchange use instruction manual*.

Note: To fill in this table, only numerical characters and the # character are allowed.

6.4.3 Office Flexible Codes Section

For each service allowed by PABX in *Office* mode, the activation and reference codes are configured



For further informations on single services, see the *PABX telephone exchange use instruction manual*.

Note: To fill in this table, only numerical characters and the # character are allowed.

6.5 Scenes

In PABX telephone exchanges, 4 further scenes are available to configure the indoor extensions

These scenes are configurable by activating the appropriate button on the tool bar.

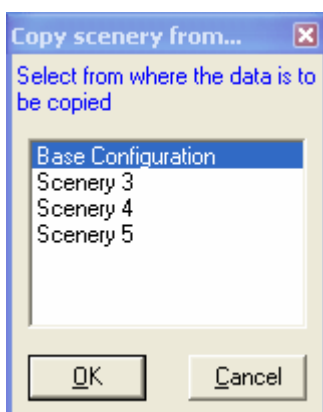
The following configurations are at user's disposal:

- Enabling of the single extension to outgoing calls
- Enabling of the single extension to incoming calls
- Automatic answering

To activate the single scene, see the *PABX telephone exchange use instruction manual*.

Also, the function *copy scene* is at user's disposal, that is that the data of a selected scene are copied in the current one.

This function is activable by means of the appropriate button on the tool bar; the following mask is shown to the user:



After the desired scene has been selected and after pressing the *Ok* button, the data are copied in the current scene.

6.6 Configuration Downloading

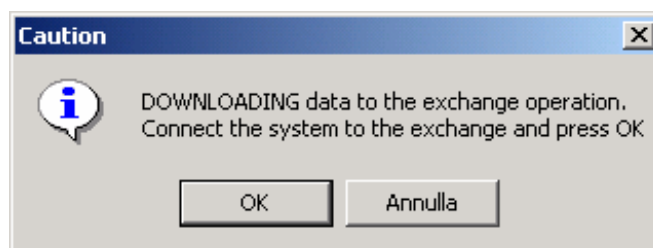
It allows to send the configuration data to the telephone exchange by means of the serial communication protocol.

To carry out this operation, it is necessary that all extensions connected to the PABX are in resting position (receiver hung up).

Note: The procedure to carry out during the configuration downloading phase, is the following:

| |
|---|
| 5. Switch-on the PABX |
| 6. Insert the programming cable |
| 7. Activate the Tipbx procedure |
| 8. Remove the programming cable |
| 9. Switch-off the PABX and wait for a minute |
| 10. Switch-on the PABX again |

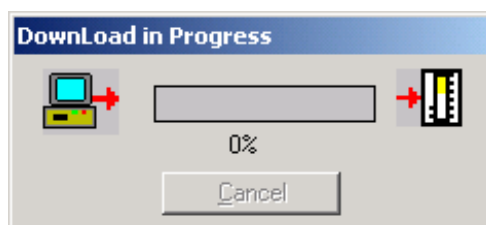
By pressing the appropriate button, the following mask appears:



Before going on, the user must connect the PC serial port to the PABX telephone exchange by means of the supplied cable.

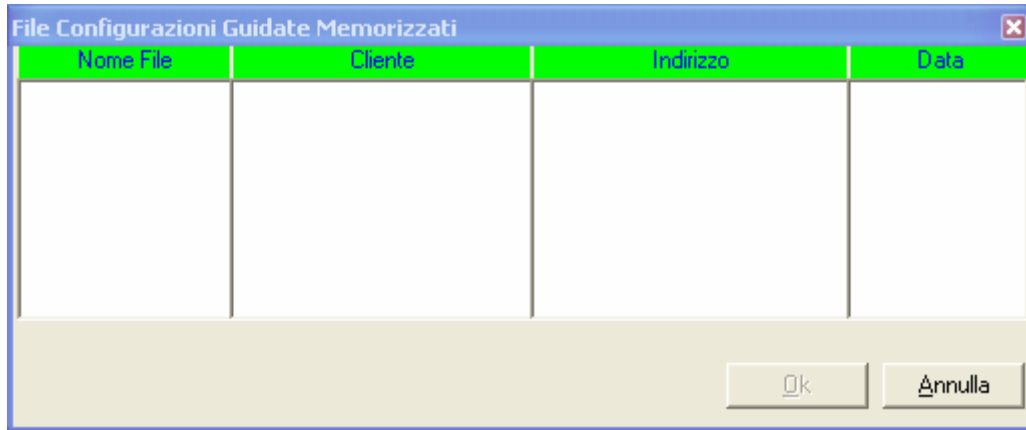
The application automatically searches the serial port to which the PABX telephone exchange has been connected.

During the data uploading, the following mask appears:



7. OPEN A GUIDED CONFIGURATION PROJECT

By means of this function, all previously saved guided configuration files are visualized

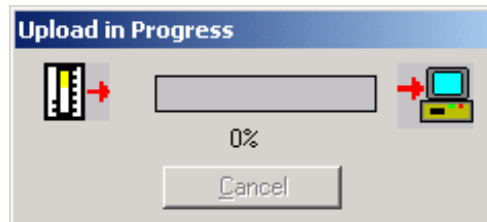


By pressing the *Open* button, a guided configuration is carried out in which the data are pre-set by the previously saved data

8. CONFIGURATION UPLOAD

This function allows to verify the current configuration of the PABX telephone exchange connected to the PC through a serial port.

To carry out this operation, it is necessary that all extensions connected to the PABX be in resting position (receiver hung up).



The data received from the telephone exchange are transformed by the application into a detailed project that can be saved as a normal project.

9. FIRMWARE DOWNLOAD

This function allows to update the firmware version of the PABX telephone exchange.

After the selection of the file to be sent to the telephone exchange, the process starts by pressing the button *Update Version*.

To carry out this operation, it is necessary that all extensions connected to the PABX be in resting position (receiver hung up). The switchboard must be OFF with programming cable connected and must be switched on when requested by the DOWNLOAD FIRMWARE procedure.

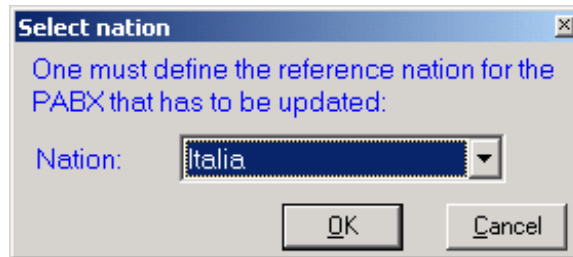


To send new firmware version to the telephone exchange, it is possible to select serial port that the device is connected or to select Auto option that the software scan all system serial port to find the telephone exchange.

Attention

This function must be used with maximum caution, because sending a wrong file to the telephone exchange can put it out of operation.

After having selected the new firmware file, the following mask is presented to the user by pressing the *Update Version* key:



The reference nation that will be used by the PABX telephone exchange has now to be selected.

Press OK and wait for the switch on enquiry of the PBX (Private Branch Exchange). Energize the PBX and check that the red led starts to blink. Confirm the new release by pressing OK.

Note: At the end of the firmware updating proceed as follows:

| |
|---|
| 1. remove the programming cable |
| 2. switch the switchboard OFF |
| 3. after 1 minute switch the switchboard back ON |
| 4. check the switchboard configuration |

We remind you that following parameters will be conformed depending on the reference nation:

Telephone lines parameters
Emergency numbers
Hold on message