



Software Maxi Box

OWNER'S MANUAL



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1. GENERAL CHARACTERISTICS OF THE MAXI BOX SOFTWARE

With the aid of the Maxi Box module and Maxi Key, the Maxi Box software controls the information of transactions and events executed with the ZIP, ZIP LOADER, ZIP LOADER PLUS¹, CATERPAY and CATERLINK payment systems².

In particular, the Maxi Box Software is able to:

- Display data of single transactions or events.
- Calculate the total credit in the keys/cards in a given location, identified by customer code, in a precise moment in time.
- Highlight errors occurred in the payment system.
- Carry out searches and printouts based on the following criteria: customer code, machine code, key number, interval of key numbers, interval of time, user group, type of system, type of event.

The Maxi Box Software has been tested with the following software versions: Windows XP, Windows 2000, Windows 98 SE.

⚠ ATTENTION

1) The Maxi Box module can record all transactions when the peripherals (coin mech, validator and note loader) are working properly. The module cannot record malfunctions that are due to a signal failure from a peripheral (for instance, the note loader which, when a banknote is inserted, fails to send the signal to the ZIP payment system).

2) When peripherals are used (coin mech, coin validator, note loader) controlled directly by the machine (MDB, BDV Slave, Executive Slave), cash sales and any change given are not recorded by Maxi Box.

3) When an Executive coin mech is used with ZIP programmed in the "CHANGE GIVER" mode, the cash sale is recorded but the final credit shown by the Maxi Box Software may not be correct because is not known if change (final credit) is given or not by the coin mech.

4) When D.A. performs a test sale (Event 15) it is recorded as another transaction after Event 15.

The above has nothing to do with calculating the credit stored in the keys.

1.1. KEY HARDWARE

The Maxi Box Software has a "Key Hardware" that has to be plugged into the connector for the PC printer and left plugged in all the time the programme is being used. If the "Key Hardware" is not plugged in, the programme will not work and a window appears on the PC screen showing the following figure.

¹ The ZIP Loader Plus does not need the Maxi Box module because this function is performed by the optional 512K RAM.

² The systems have to be updated to the firmware version given at the end of the manual.







2. MAXI BOX SOFTWARE MENUS

The Maxi Box Software consists of the following menus:

2.1. FILE MENU

With the file menu you can save and read the data from the hard disk previously acquired by the Maxi Key as well as configure the software of the serial port, language, password and user data.

The options in this menu are:



- **New Database:** it lets you generate a new database for storing data sent from the Maxi Key. This option is accessible also via the tool bar by pressing the key .
- **Open Database:** it lets you open a database saved previously. This option is accessible also by pressing the key .
- **Save Database:** it lets you save the currently used database with another name. This option is accessible also by pressing the key .
- **Settings:** it lets you open the menu for configuring the Maxi Box software. This option is accessible also by pressing the key .
- **Esc:** to exit the programme.



All the PC programmes working with the serial port must be closed before starting the Maxi Box software (the KeyCard programme must also be closed if it's active).



2.2. ACTIONS MENU


In this menu you find the options for working with Maxi Key. The options in this menu are:

- **Read Maxi Key:** this is used to acquire data from Maxi Key. This option is accessible also via the tool bar by pressing the key .
- **Reset Maxi Key:** this is used to cancel data from Maxi Key. This option is accessible also by pressing the key .

2.3. DATA MENU

The options for working with the data collected by Maxi Key are in this menu, and are:

- **Customers:** with this option you gain access to the Customers table. This option is accessible also via the tool bar by pressing the  key.
- **Search Function:** with this option you gain access to the events search setting window based on several criteria. This option is accessible also via the tool bar by pressing the  key.

- **Data Analysis:** with this option you gain access to the window for calculating total credit in the keys/cards by customer code. This option is accessible also via the tool bar by pressing the  key.

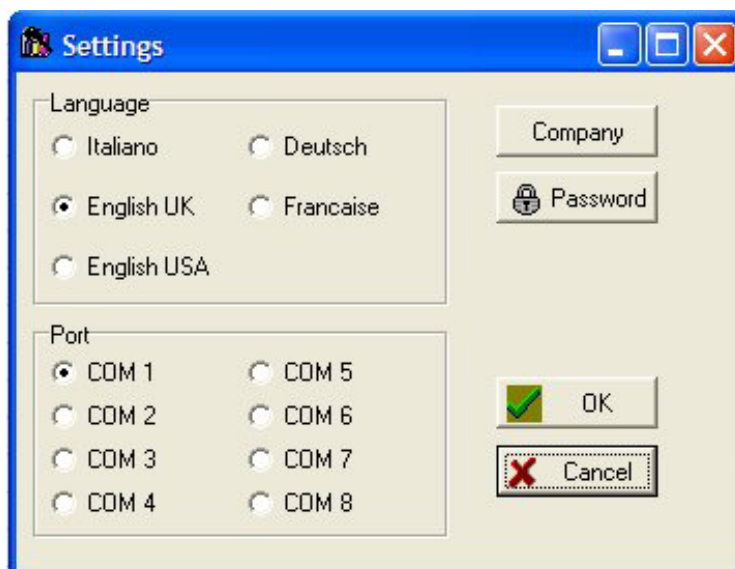
2.4. INFORMATION MENU

The Information menu contains information about the software version.



3. MAXI BOX SOFTWARE SETTING

Select the “File→ Settings” menu (or press key F5). It will be possible to select the programme language, the serial port to which the PC interface is connected, the password to enable access to the programme and the data relative to the name and address of the company using the Maxi Box Software. Once the settings are completed, press “OK” to store them.



3.1. COMPANY MENU

With the Maxi Box Software you can set the name and address of the company using the Software. The name and address will be displayed on the search printout sheets. To enter the company's name and address enter the "Settings" menu and choose "Company".

The screenshot shows a dialog box titled "Company". It has two text input fields. The first field is labeled "Name" and contains the text "ADE Srl". The second field is labeled "Address" and contains the text "Via Galvani 6, 33089 Villotta Di Chions (PN)". At the bottom of the dialog box, there are two buttons: "OK" with a green checkmark icon and "Cancel" with a red X icon.

3.2. PASSWORD MENU

The Maxi Box Software lets you set a protection password against unauthorised access. To set the password enter the "Settings" menu and click on Password.

The screenshot shows a dialog box titled "Password". It has three text input fields. The first field is labeled "Password". The second field is labeled "Enter new password". The third field is labeled "Confirm new password". At the bottom of the dialog box, there are two buttons: "OK" with a green checkmark icon and "Cancel" with a red X icon.

Tap in the password (maximum 30 characters), confirm it and then press "OK". Confirm that the password has been entered by pressing "OK" in the settings window. Each time the programme is started the window shown below appears, asking you to tap in the password.

The screenshot shows a dialog box titled "MAXI BOX: Password". It has one text input field labeled "Enter password".

You can change the password any time by tapping in the current one and then entering and confirming the new one.



If, once you've used the programme with the password, you decide to remove it, enter Settings/Password, tap in the current password and confirm with "OK" leaving the "Enter new password" field empty and "Confirm new Password".

4. EVENTS COLLECTED BY THE MAXI BOX MODULE

Maxi Box is an optional module that can be interfaced with the ZIP and ZIP Loader³ payment system and can keep a track of all transactions (sales, revaluations, bonuses and so on). It can store up to 4,000 transactions.

The way the system acts when this number is reached depends on how the "MAXI BOX: OVERWRITING" parameter is programmed (ON/OFF).

If this parameter is programmed OFF, the payment system goes "out of order" when 4,000 transactions have been stored until the data are collected by the Maxi Key.

If this parameter is programmed ON the payment system continues recording transactions even after 4,000 have been stored, overwriting them, starting from the very first (this means the last 4,000 transactions are always stored).

The events recorded by the payment system can be divided into the following categories:

- Revaluations
- Sales utilising credit (key)
- Sales without utilising credit (cash)
- Refunding bonuses and reward points
- Connecting with peripherals
- Other events
- Errors List

The table (see below) gives the types of event for each category that are recorded by the Maxi Box module.

There are specific data for each type of event (see the columned data in the table below) that can be or not be provided by the Maxi Box Software and other, common data that are always provided. The data common to all events and which are always provided by the Maxi Box Software are:

- User Group: the group to which the key belongs is given or the department code if the UGs are not used.
- Date, time: this is the date and time of the event.

³ The Maxi Box function is performed by the optional 512K RAM in the ZIP Loader Plus and Caterpay.

- Customer code, Machine Code, Reader Code: these are the programmed codes in the payment system where the data are collected.
- Error code: if there are no errors "0" is indicated. If there is an error its code is given.

Event type and specific data:

Event type	Key Number	Price Line	Quantity ⁴	Starting Credit	Final Credit	Value
Revaluation						
Revaluations Coins	YES	-	-	YES	YES	YES
Revaluations Notes	YES	-	-	YES	YES	YES
Revaluations Coins & Notes	YES	-	-	YES	YES	YES
Revaluations Charge Key	YES	-	-	YES	YES	YES
Revaluations Programmer	YES	-	-	YES	YES	YES
Payroll Deduction	YES	-	-	YES	YES	YES
Revaluation using Credit on Machine	YES	-	-	YES	YES	YES
Revaluation Bonus 1 as Credit	YES	-	-	YES	YES	YES
Revaluation Reward as Credit	YES	-	-	YES	YES	YES
Sales utilising credit						
Cash Sales	-	YES	YES	YES	YES	YES
Key Sale Disc. Lev. 0	YES	YES	YES	YES	YES	YES
Key Sale Disc. Lev. 1	YES	YES	YES	YES	YES	YES
Key Sale Disc. Lev. 2	YES	YES	YES	YES	YES	YES
Key Sale Disc. Lev. 3	YES	YES	YES	YES	YES	YES
Sale Discount Band 1 (happy hours)	YES	YES	YES	YES	YES	YES
Sale Discount Band 2 (happy hours)	YES	YES	YES	YES	YES	YES
Sale Discount Band 3 (happy hours)	YES	YES	YES	YES	YES	YES
Promotion	YES	YES	YES	YES	YES	YES
Cash Sale with Change	-	YES	YES	YES	Credit Refund	YES
Sales without utilising credit						
Free Sale Key	YES	YES	YES	-	-	YES
Sale with Bonus 1	YES	YES	YES	number bonus	number bonus	number bonus
Sale with Bonus 2	YES	YES	YES	number bonus	umber bonus	number bonus
Reward	YES	YES	YES	-	-	-
Returning Bonuses and Reward points						
Bonus Refund	YES	-	-	YES	YES	YES
Reward Refund	YES	-	-	YES	YES	YES
Connections with peripherals						
Programmer	-	-	-	-	-	-
Databox (or Maxi Key connected on DB9)	-	-	-	-	-	-

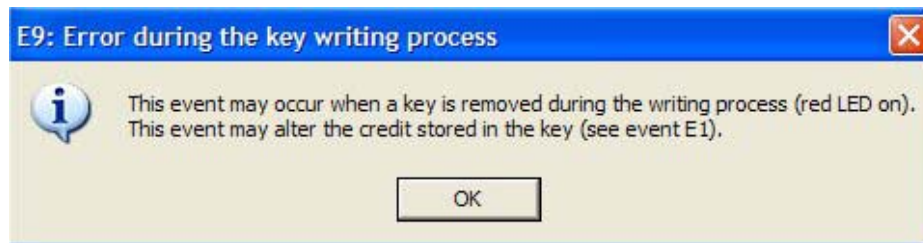
⁴ Quantity: it is always 1 on ZIP, it can be greater than 1 on ZLP or ZIP Caterpay/Caterlink

Maxi Key for Setup	-	-	-	-	-	-
Maxi Key for Maxi Box	-	-	-	-	-	-
Maxi Key for data collection	-	-	-	-	-	-
Handheld Psion or others	-	-	-	-	-	-
EVA-dts Terminal	-	-	-	-	-	-
Data Key	-	-	-	-	-	-
Setup Key	-	-	-	-	-	-
Black List Key	-	-	-	-	-	-
Other events						
Change	-	YES	-	-	-	YES
Overpay	-	YES	-	-	-	YES
Errors list : see next chapter						

4.1. ERRORS LIST

Maxi Box Software records “error” events.

Transactions containing these errors are displayed in red on the PC screen. By positioning the mouse cursor on the error code and clicking twice the window shown in the following figure opens giving a complete description of the event.



Below is a complete list of the events and their description provided by the Maxi Box Software.

ERROR CODE	ERRORS LIST
E1:	Credit altered
	The event may be caused by an error in the reading process: remove the key and re-insert in the ZIP reader. If the error persists (very seldom) this is due to a previous incorrect writing of the key: the key could have been removed during the writing process. The credit stored in the key is lost and the key can be recovered using the PC interface.
E2:	Wrong key codes
	The codes programmed in the key (Operator, Customer and Department code) do not match the ones programmed in the ZIP system.
E6:	Wrong function code
	The key function code (Sale, Free Sale, Programming) has been altered because the key was removed during the formatting process. To recover the key use the Pc Interface.

E7:	Credit exceeding limit
	The credit stored in the key is higher than the max usable credit programmed in the ZIP system (Other parameters/Maximum Credit).
E8:	Product not delivered
	The vend price of the product not delivered will be re-added into the key when: - VM provides ZIP system the information of "product not delivered" (not all VM do so); - The parameter "Failed Sale Refund" is set to ON in the Zip system.
E9:	Error during the key writing process
	This event may occur when a key is removed during the writing process (red LED on). This event may alter the credit stored in the key (see event E1).
E10:	Error during data retrieval process
	This event may occur when: - 2 minutes do not elapse between two consecutives audits in the same ZIP system; - the connector of Data Box or Maxi Key is not properly inserted.
E11:	Failed Revaluations using Charge Key
E12:	Product not delivered and vend price decremented from the key or no reloading
	This event may occur when a key is removed during the writing phase (red LED on). It can happen that the vend price is decremented from the key but the product is not delivered. It could also be that during a reload the credit is neither transferred to the key nor remains in the machine.
E13:	Key inserted in the Black List
E15	Zero price vend requested as a test by the VM
E17	Change not given
	Change as a result of a sale is not given at all or only in part.
E18	Manual return of coins from a coin mech

	This happens when the manual vend buttons are pressed on the front panel of the coin mech.
--	--

The following table shows the data (those in the column) the Maxi Box Software highlights for each event (error).

CODE	Key Number	Price Line	Quantity	Starting Credit	Final Credit	Value
E 1	YES	-	-	-	-	-
E 2	YES	-	-	-	-	-
E 6	YES	-	-	-	-	-
E 7	YES	-	-	YES	-	-
E 8	-	-	-	-	-	-
E 9	YES	-	-	YES	-	-
E 10	-	-	-	-	-	-
E 12	YES	-	-	YES	-	-
E 13	YES	-	-	YES	-	-
E 15	-	-	-	-	-	-
E 17	-	-	-	Sum to give	Sum not given	Sum given
E 18	-	-	-	In the tubes at the beginning	In the tubes at the end	Sum given



On ZIP Loader Plus, error 9 can involve the two transactions preceding the one where the error is. In this case, the Maxi Box Software highlights all three transactions in red.

5. TRANSFER OF DATA FROM THE MAXI BOX MODULE TO MAXI KEY

Both the Maxi Box module and Maxi Key have to be set appropriately so the various events can be recorded in the Maxi Box module and so they can then be acquired with the aid of Maxi Key.

5.1. PREPARING THE MAXI BOX MODULE

The Maxi Box module can be connected to the ZIP systems featuring RAM expansion and with the software updated⁵.

RAM expansion is essential because it is necessary to have a clock. When a Maxi Box module is connected to a ZIP without the RAM expansion the payment system deactivates the peripherals (coin mech, validator and note loader): the LED flashes to signal the error condition and error messages are displayed.

When a Maxi Box module is connected to the ZIP system, the Programmer deactivates key/card formatting.

⁵ See the section in this manual that gives the software versions that are compatible with the Maxi Box.

5.2. PREPARING THE MAXI KEY

To acquire data from the Maxi Box module, the Maxi Key must be set correctly via the Maxi Key Manager software, following these few steps:

1. Set the “Data Collection from Maxi Box” operating mode.
2. Set the Maxi Key operator code which must be the same as that set in the payment system.
3. Set the key's date and time.



The Maxi Key will proceed with acquiring payment system data only if the operator code set in the payment system coincides with the one set in the Maxi Key.

The Maxi Key must have MK1.2.7 firmware or higher. Check the firmware version with the Maxi Key Manager sw (see the Maxi Key User Manual).

5.3. DATA COLLECTION FROM THE MAXI BOX MODULE

Data is collected by plugging the Maxi Key into the DB9 connector normally used to program the system.

While data is being acquired, the Maxi Key utilises the LED to communicate progress while the payment system utilises the LED and, if available, either the 5-digit display or the LCD.

Maxi Key can collect up to a maximum of 28,000 transactions.

Since each Maxi Box module can hold up to 4,000 transactions, Maxi Key can collect the 4,000 transactions for a maximum of 7 systems.

Different intermediate situations are possible (like, for instance, 1,000 transactions for 28 systems) but Maxi Key can collect data for a maximum of 60 different systems.

- The Maxi Key LED:
When the Maxi Key is plugged into the DB9 connector of the payment system, its LED flashes green. Once all the data are collected its flashes red if collection was unsuccessful or remains a steady red if it was successful.
- Payment system LED:
When the Maxi Key is plugged into the DB9 connector the reader LED stays green until collection is finished. If collection finishes correctly the LED turns red and stays red until the key is disconnected. If there is an error the reader LED flashes red and green.
- 5-digit display
When the Maxi Key is plugged into the DB9 connector the display shows the message “Att . “ which remains until collection is complete.
 - If collection finishes correctly the message “Out” is shown on the display.
 - If there is a communication error the message “Err-10” is shown on the display.
- LCD
When the Maxi Key is plugged into the DB9 connector the word “Maxibox” appears on the first line of the LCD.
 - If collection finishes correctly the date and time are shown again on the display.
 - If there is a communication error the message “Event 10” is shown on the display.




To group the transactions of a location it is necessary that keys/cards with just one Customer Code are used in the same location.

6. TRANSFERRING DATA FROM THE MAXI KEY TO THE MAXI BOX SOFTWARE

An interface for PC is needed in order to transfer data from the Maxi Key to the Maxi Box Software. When the Maxi Key is connected by means of the DB9 connector located on the front panel of the PC interface, the message “MAXI KEY CONTAINING AUDITS” message appears on the Maxi Box Software status bar (see figure below) if it contains data sent from the Maxi Boxes, or the message “MAXI KEY EMPTY” if it contains no data.

The screenshot displays the Maxi Box Software interface. The main window contains a table with the following columns: Key Number, User Group, Date, Hour, Customer Code, Machine Code, Reader Code, Event Type, Price Line, Quantity, Starting Credit, Final Credit, Value, and Error Code. The table lists various transactions, including 'Revaluation Coins', 'Data Collection Maxi Box', and 'Programmer'. The status bar at the bottom of the window displays the message 'MAXIKEY CONTAINING AUDITS', which is circled in red in the image.

Key Number	User Group	Date	Hour	Customer Code	Machine Code	Reader Code	Event Type	Price Line	Quantity	Starting Credit	Final Credit	Value	Error Code
0	110	22/12/2004	8.57.00	0	ZIP001	000000	Revaluation Coins			9,70	9,90	0,20	0
5004	110	22/12/2004	8.57.39	0	ZIP001	000000	Revaluation Coins			6,95	7,15	0,20	0
		22/12/2004	8.58.13	0	ZIP001	000000	Data Collection Maxi Box						0
		22/12/2004	9.05.16	0	ZIP001	000000	Programmer						0
5004	110	22/12/2004	9.06.40	0	ZIP001	000000	Revaluation Notes			7,15	8,15	1,00	0
0	110	22/12/2004	9.07.10	0	ZIP001	000000	Revaluation Notes			8,15	9,15	1,00	0
5004	110	22/12/2004	9.07.44	0	ZIP001	000000	Revaluation Coins			9,15	9,35	0,20	0
5004	110	22/12/2004	9.07.53	0	ZIP001	000000	Revaluation Coins			9,35	9,55	0,20	0
		22/12/2004	9.09.06	0	ZIP001	000000	Data Collection Maxi Box						0
		22/12/2004	9.21.03	0	ZIP001	000000	Programmer						0
		22/12/2004	9.24.43	0	ZIP001	000000	Programmer						0
		22/12/2004	9.24.56	0	ZIP001	000000	Programmer						0
5005	110	22/12/2004	9.26.54	0	ZIP001	000000	Revaluation Coins			2,00	3,00	1,00	0
5005	110	22/12/2004	9.27.32	0	ZIP001	000000	Revaluation Coins			3,00	3,20	0,20	0
		22/12/2004	9.28.14	0	ZIP001	000000	Programmer						0
		22/12/2004	9.31.04	0	ZIP001	000000	Programmer						0
5003	110	22/12/2004	9.31.50	0	ZIP001	000000	Revaluation Coins			9,50	9,70	0,20	0
5003	110	22/12/2004	9.31.53	0	ZIP001	000000	Revaluation Coins			9,70	9,90	0,20	0
5004	110	22/12/2004	9.32.18	0	ZIP001	000000	Revaluation Coins			2,00	2,20	0,20	0
		22/12/2004	9.33.05	0	ZIP001	000000	Programmer						0
5004	110	22/12/2004	9.34.14	0	ZIP001	000000	Revaluation Coins			2,20	2,40	0,20	0
5005	110	22/12/2004	9.35.03	0	ZIP001	000000	Revaluation Coins			3,20	4,20	1,00	0
		22/12/2004	9.35.42	0	ZIP001	000000	Programmer						0
5005	110	22/12/2004	9.36.19	0	ZIP001	000000	Revaluation Coins			4,20	4,70	0,50	0
5004	110	22/12/2004	9.37.04	0	ZIP001	000000	Revaluation Coins			2,40	2,80	0,40	0
		22/12/2004	9.37.48	0	ZIP001	000000	Data Collection Maxi Box						0
		22/12/2004	9.42.22	0	ZIP001	000000	Programmer						0
		22/12/2004	9.42.49	0	ZIP001	000000	Programmer						0
5005	110	22/12/2004	9.43.54	0	ZIP001	000000	Revaluation Notes			4,70	9,70	5,00	0
5005	110	22/12/2004	9.44.17	0	ZIP001	000000	Revaluation Coins			9,70	9,90	0,20	0
5004	110	22/12/2004	9.44.46	0	ZIP001	000000	Revaluation Coins			2,80	3,00	0,20	0
		22/12/2004	9.46.46	0	ZIP001	000000	Programmer						0
5004	110	22/12/2004	9.47.22	0	ZIP001	000000	Revaluation Notes			3,00	8,00	5,00	0
5004	110	22/12/2004	9.47.43	0	ZIP001	000000	Revaluation Coins			8,00	8,20	0,20	0
5004	110	22/12/2004	9.47.47	0	ZIP001	000000	Revaluation Coins			8,20	8,40	0,20	0

If the Maxi Key contains data, choose the “Read Maxi Key” option from the “Actions” menu or select the  push button on the tool bar.

The Maxi Key reading operation is divided into the following two phases:

- Transfer of data from Maxi Key to the PC.
- Updating of the database in the PC.

During the first phase the number of acquisitions and transactions for each acquisition collected by the Maxi Key (see figure below) are constantly updated on the status bar of the Maxi Box Software main window.

During the second phase, the message “UPDATING DATABASE” (see figure below) appears on the Maxi Box Software status bar.

5005	110	22/12/2004	9.36.19	0	ZIP001	000000	Revaluation Coins
5004	110	22/12/2004	9.37.04	0	ZIP001	000000	Revaluation Coins
		22/12/2004	9.37.48	0	ZIP001	000000	Data Collection Maxi Box
		22/12/2004	9.42.22	0	ZIP001	000000	Programmer
		22/12/2004	9.42.49	0	ZIP001	000000	Programmer
5005	110	22/12/2004	9.43.54	0	ZIP001	000000	Revaluation Notes
5005	110	22/12/2004	9.44.17	0	ZIP001	000000	Revaluation Coins
5004	110	22/12/2004	9.44.46	0	ZIP001	000000	Revaluation Coins
		22/12/2004	9.46.46	0	ZIP001	000000	Programmer
5004	110	22/12/2004	9.47.22	0	ZIP001	000000	Revaluation Notes
5004	110	22/12/2004	9.47.43	0	ZIP001	000000	Revaluation Coins
5004	110	22/12/2004	9.47.47	0	ZIP001	000000	Revaluation Coins

UPDATING DATABASE

Audit: 2 Transactions: 4

If the Maxi Key contains a lot of data, the Maxi Key reading operation could take several minutes.

7. DATABASE MANAGEMENT

When the Maxi Box Software is installed in the PC the database is empty. It is created and automatically saved with the first reading of a Maxi Key. Subsequently, when the Maxi Box Software is opened, the list of transactions in this database is displayed.

When there are other data transfers using the Maxi Key, the data relative to the transactions are entered in the active database.

The user can save the active database, create a new one or open a database that is already in the PC memory whenever he wants. These operations can be done with the following push buttons:



(Save Database),



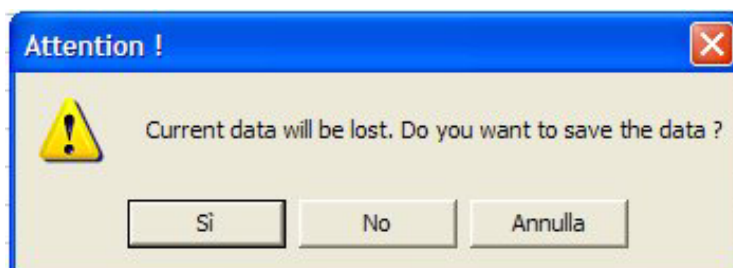
(New Database) e



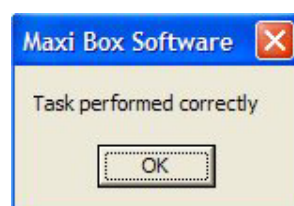
(Open Database)

- **Save Database:** to save the active database with a name.
- **New Database:** to generate a new database for storing data coming from the Maxi Key .

Selecting this function the following message appears:



After you have given the file a name and confirmed it, the following appears:

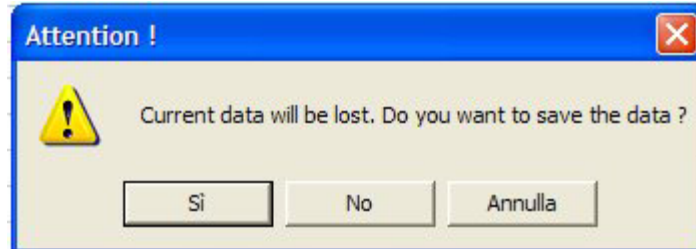


If, instead, you decide not to make a backup copy (selecting "NO") the message shown above appears immediately followed by an empty page.

By plugging the Maxi Key in the data will be transferred to this new database.

- **Open Database:** to open a database saved previously.

Selecting this function the following window opens:

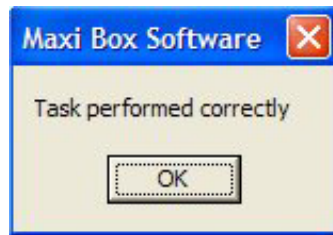


Selecting "YES" the procedure is exactly the same as the "New Database" function".

Selecting "No" the following window opens:




Now, selecting the name of the Database you want to see, the window shown below opens and, following confirmation, the data will be displayed.



It is only possible to carry out searches and calculate the credit remaining in keys/cards by Customer code on one database at a time.

It is not possible to combine data relative to two separate databases in a single database.

8. CUSTOMERS TABLE

The data managed by the Maxi Box Software come from different locations. **We recommend identifying the locations by means of a Customer code.** With the Maxi Box Software you can display all the Customer codes by means of the “Data→Customers” menu or by selecting the  push button on the tool bar.

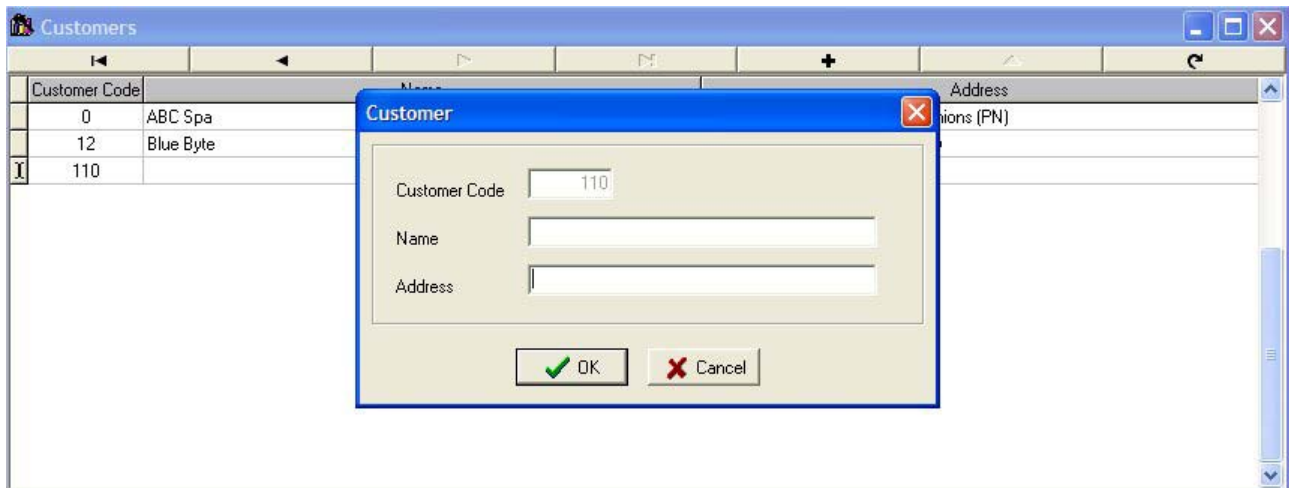
The Customers table is displayed after this command has been given which comprises the following three fields:

- Customer code
- Name
- Address

Customer Code	Name	Address
0	ABC Spa	Via Galvani 6, 33089 Villota Di Chions (PN)
12	Blue Byte	Via Kennedy 45, Mestre (VE) Italy
110	Università di Udine	Via Mantegna 8, Udine Italy

The Customers table is automatically updated with any new Customer codes each time the Maxi Key is read.

It is the Operator's job to give the name and address to each Customer code. As a matter of fact by clicking twice on the line giving the Customer code it is possible to access the window that lets you enter the name and address.



The Customers name and address fields that are already listed in the table can be modified at any time by clicking on the “^” key on the Customers bar.


It is also possible to add a new client manually by clicking on the “+” key of the Customers bar.



It is not possible to delete a Customer code from the Customers table as you would no longer be able to find the data relative to transactions already in the database.

9. SEARCHES

With the Maxi Box Software you can search the data in the active database.

Parameters to help you search can be taken from a configuration window, recallable from the “Data→Search Function” menu, or selectable by pressing the  button.

The parameters that can be utilised to carry out searches are:

- Customer code
- Machine Code
- Key Number
- Date
- Time
- User Group
- System type
- Event type

Search results can be displayed in three different ways, selecting them from the configuration window:

- Full list
- Transactions in machine order
- Transactions in key order



Suggestions:

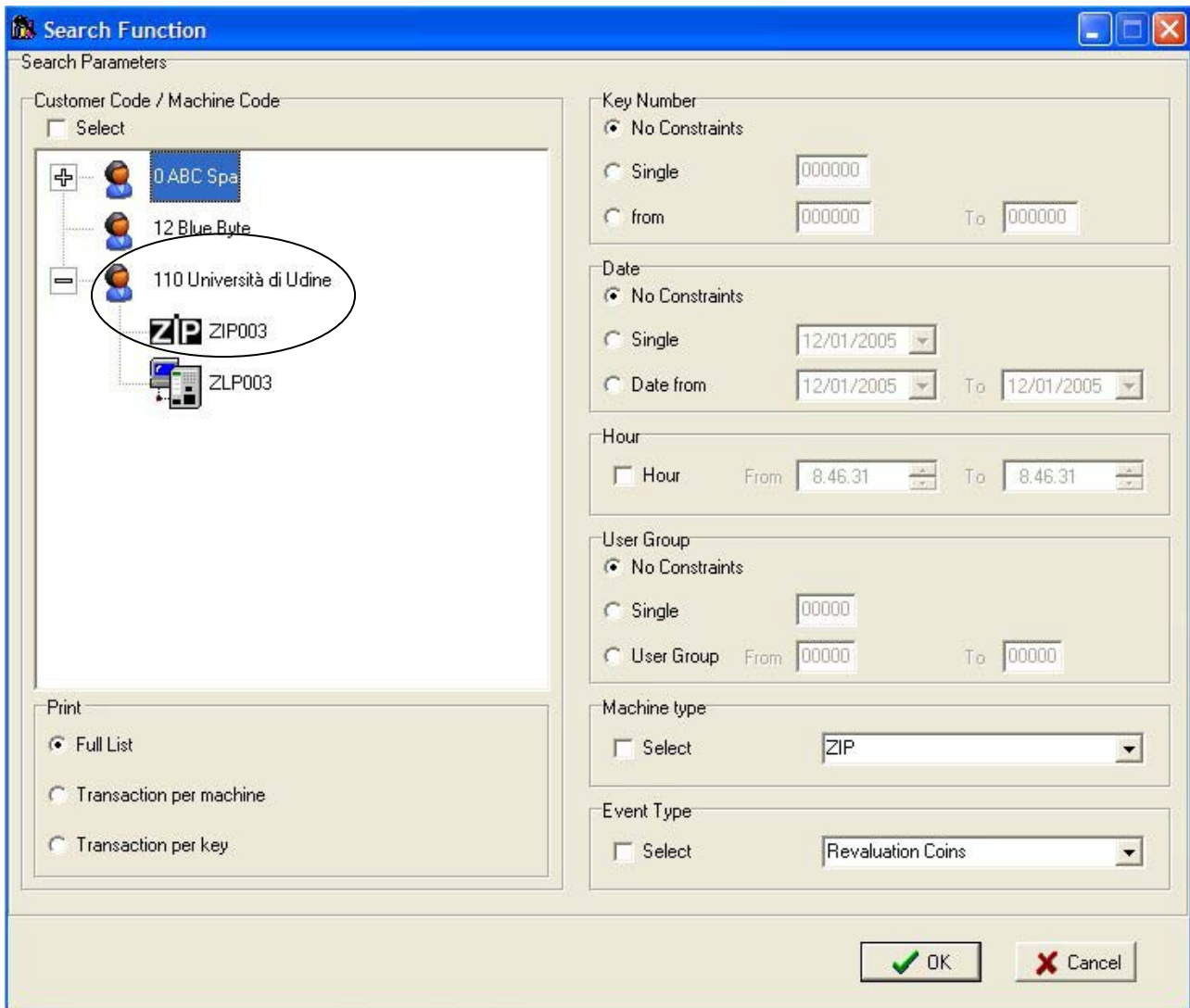
1. Identify each location with a different Customer code and identify each system with a different Machine Code.






In actual fact, when the search window opens the Maxi Box Software executes a search in all the data it has in its database, extracting the Customers Codes and Machine Codes in the files and putting them in a tree display.

With this type of display you have rapid and immediate access to your portfolio of Customers/Machines.

To activate this display you have to tick the "Customer code / Machine Code" field.

By clicking on the Customer code you can access all the machines belonging to that particular Customer code, as shown in the following figure.



Each machine has its own id code as well as an icon that indicates whether it is a Zip() , ZIP Loader() , ZIP Loader Plus () , Caterpay () or Caterlink () payment system.

2. How to see all the transactions by Customer code and for a certain type of System (i.e. all the transactions of the ZIP Loaders for a specific Customer code).

Select a Customer code (the Customer code turns blue) and select "Machine Type → ZIP Loader". Once you have selected the type of system the Customer code turns grey.

Selecting "OK" it is possible to see all the transaction for that "Machine Type" belonging to that specific Customer code.

Only one Customer code can be selected at a time.

Search Function

Search Parameters

Customer Code / Machine Code

Select

- 0 ABC Spa
- 12 Blue Byte
- 110 Università di Udine**

Print

Full List

Transaction per machine

Transaction per key

Key Number

No Constraints

Single 000000

from 000000 To 000000

Date

No Constraints

Single 12/01/2005

Date from 12/01/2005 To 12/01/2005

Hour

Hour From 8.46.31 To 8.46.31

User Group

No Constraints

Single 00000

User Group From 00000 To 00000

Machine type

Select ZIP Loader

Event Type

Select Revaluation Coins

OK Cancel

3. Searches on specific Machine Codes.

Select the Machine Code from the tree menu and start the search. When a Machine Code is selected from the tree menu the "Machine Type" is disabled automatically.



Only one Machine Code can be selected at a time.

9.1. PRINTOUTS

Once the search parameters have been defined and the display method chosen, by clicking on



you have a print preview.


Once the print preview has been displayed, by clicking on  you can choose the printer and then print the search by clicking on .

9.1.1. FULL LIST

 Printed: 12/01/2005 8.54.59	ADE Srl Via Galvani 6, 33089 Villotta Di Chions (PN)			
	Full List			
Customer Code :	No Constraints	Hour :	No Constraints	
Machine Code :	No Constraints	User Group :	No Constraints	
Key Number :	All	Machine type :	No Constraints	
Period :	No Constraints	Event Type :	All	

<u>Customer</u>	<u>Key</u>	<u>U.G.</u>	<u>Date</u>	<u>Time</u>	<u>Machine</u>	<u>Event Type</u>	<u>Q.ty</u>	<u>Start Cr.</u>	<u>Final Cr.</u>	<u>Value</u>	<u>Error</u>
110			05/02/2000	15.10.11	ZIP003	Data Collection Maxi Box					0
110			05/02/2000	15.23.24	ZIP003	Programmer					0
110			09/12/2004	16.32.38	ZLP003	Data Collection Maxi Box					0
110	133	30	09/12/2004	16.36.35	ZLP003	Key Sale	1	16,60	14,20	2,40	0
110	133	30	09/12/2004	16.36.35	ZLP003	Sale with Bonus 2	1	1	0	1	0
110	133	30	09/12/2004	16.36.35	ZLP003	Key Sale	1	14,20	11,70	2,50	0
110	133	30	09/12/2004	16.36.35	ZLP003	Reward	1				0
110	5002	11	09/12/2004	16.37.36	ZLP003	Key Reading		566,24			2
110	131	30	09/12/2004	16.38.04	ZLP003	Key Sale	1	17,60	16,20	1,40	0
110	131	30	09/12/2004	16.38.04	ZLP003	Key Sale	1	16,20	13,30	2,90	0
110	131	30	09/12/2004	16.38.04	ZLP003	Reward	1				0
110	131	30	09/12/2004	16.38.04	ZLP003	Reward	1				0
110	131	30	09/12/2004	16.38.04	ZLP003	Key Sale	1	13,30	12,30	1,00	0
110	131	30	09/12/2004	16.38.04	ZLP003	Reward	1				0
110	131	30	09/12/2004	16.38.04	ZLP003	Key Sale	1	12,30	11,30	1,00	0
110	130	30	09/12/2004	16.38.51	ZLP003	Key Sale	1	15,80	14,40	1,40	0

9.1.2. TRANSACTIONS IN MACHINE ORDER


 Printed: 12/01/2005 8.56.26	ADE Srl Via Galvani 6, 33089 Villotta Di Chions (PN)		
	Transactions per machine		
Customer Code :	No Constraints	Hour :	No Constraints
Machine Code :	No Constraints	User Group :	No Constraints
Key Number :	All	Machine type :	No Constraints
Period :	No Constraints	Event Type :	All

CUSTOMER **00000** **ABC Spa**
Via Galvani 6, 33089 Villotta Di Chions (PN)

Machine **ZIP001**

<u>Key Number</u>	<u>U.G.</u>	<u>Date</u>	<u>Time</u>	<u>Event Type</u>	<u>Q.ty</u>	<u>Start Cr.</u>	<u>Final Cr.</u>	<u>Value</u>	<u>Error</u>
		19/12/2004	11.45.47	Data Collection Maxi Box					0
		19/12/2004	11.50.36	Programmer					0
		19/12/2004	11.50.54	Programmer					0
		19/12/2004	11.52.22	Data Collection					0
		19/12/2004	11.54.00	Programmer					0
		19/12/2004	11.54.08	Programmer					0
		19/12/2004	11.56.57	Programmer					0
1	1	19/12/2004	11.58.56	Revaluation with credit on machine		9,85	10,20	0,35	0
1	1	19/12/2004	12.00.51	Revaluation with credit on machine		6,30	7,30	1,00	0
		21/12/2004	13.56.30	Programmer					0
		21/12/2004	14.16.16	Programmer					0
		21/12/2004	14.31.46	Programmer					0
		21/12/2004	14.32.57	Data Collection Maxi Box					2
		21/12/2004	14.33.27	Programmer					0
		21/12/2004	14.33.56	Data Collection Maxi Box					2

9.1.3. TRANSACTIONS IN KEY ORDER

 Printed: 12/01/2005 8.58.43	ADE Srl Via Galvani 6, 33089 Villotta Di Chions (PN)		
	Transactions per key		
Customer Code :	No Constraints	Hour :	No Constraints
Machine Code :	No Constraints	User Group :	No Constraints
Key Number :	All	Machine type :	No Constraints
Period :	No Constraints	Event Type :	All

CUSTOMER **00000** **ABC Spa**


Via Galvani 6, 33089 Villotta Di Chions (PN)

Key Number

<u>U.G.</u>	<u>Date</u>	<u>Time</u>	<u>Machine</u>	<u>Event Type</u>	<u>Q.ty</u>	<u>Start Cr.</u>	<u>Final Cr.</u>	<u>Value</u>	<u>Error</u>
	19/12/200	11.45.47	ZIP001	Data Collection Maxi Box				0	
	19/12/200	11.50.36	ZIP001	Programmer				0	
	19/12/200	11.50.54	ZIP001	Programmer				0	
	19/12/200	11.52.22	ZIP001	Data Collection				0	
	19/12/200	11.54.00	ZIP001	Programmer				0	
	19/12/200	11.54.08	ZIP001	Programmer				0	
	19/12/200	11.56.57	ZIP001	Programmer				0	
	21/12/200	13.56.30	ZIP001	Programmer				0	
	21/12/200	14.16.16	ZIP001	Programmer				0	
	21/12/200	14.31.46	ZIP001	Programmer				0	
	21/12/200	14.32.57	ZIP001	Data Collection Maxi Box				2	
	21/12/200	14.33.27	ZIP001	Programmer				0	
	21/12/200	14.33.56	ZIP001	Data Collection Maxi Box				2	
	21/12/200	14.34.05	ZIP001	Data Collection Maxi Box				2	
	21/12/200	14.34.15	ZIP001	Programmer				0	
	21/12/200	14.35.02	ZIP001	Data Collection Maxi Box				2	
	21/12/200	14.35.15	ZIP001	Data Collection Maxi Box				2	
	21/12/200	14.35.21	ZIP001	Programmer				0	
	21/12/200	14.35.49	ZIP001	Data Collection Maxi Box				0	

10. CALCULATING THE CREDIT IN THE KEYS/CARDS DIVIDED BY CUSTOMER CODE

The Maxi Box Software lets you calculate in a precise instant (date and time) the total credit in the keys/cards by Customer code.

When you select the "Data→Data Analysis" menu or by selecting the  button on the tool bar, the following dialogue window opens in which you can enter the precise instant of the search (date and time).




By pressing OK the window shown below opens which indicates the total amount of credit in the keys/cards for each Client in the active database.

The value of the credit is calculated according to the date and time parameters chosen previously (i.e.: date 10/12/04, time 14.52).



In order for this function to generate correct values the keys/cards must be numbered individually in each location (identified by a Customer code).

 Printed: 12/01/2005	ADE Srl Via Galvani 6, 33089 Villotta Di Chions (PN)	
	Credit stored in the Keys up to	12/01/2005

<u>Customer</u>	<u>Name</u>	<u>Address</u>	<u>Value</u>
0	ABC Spa	Via Galvani 6, 33089 Villotta Di Chions (PN)	92,90
12	Blue Byte	Via Kennedy 45, Mestre (VE) Italy	0,00
110	Università di Udine	Via Mantegna 8, Udine Italy	1146,60
<u>Credit stored in the Keys</u>			<u>1239,50</u>

11. PAYMENT SYSTEM VERSIONS COMPATIBLE WITH THE MAXI BOX

	Conpas	Zip	Zip Negative Credit	Zip Loader	Zip Loader Plus	Zip Caterpay	Zip Caterlink
Maxi Box Module	Not available	Z 247 or later	Z 547 or later	ZC 220 or later	ATD1 3.0.5 or later	Not available	Not available