

Elcomem Manager LT

Communication Software

Version 2.0



Via Serraglio 48 – 40026 Imola (BO) Italy
Tel. 0542 641770 – Fax 0542 641761

www.elcotronic.it - info@elcotronic.it

Contents

INITIAL SETUP PROCEDURE TO BE PERFORMED AFTER INSTALLATION.....	4
HOW TO INSTALL THE SOFTWARE:.....	4
OPENING THE PROGRAM:.....	5
ADDING A NEW COUNTER:.....	5
ENTERING A CUSTOMER:.....	6
DISPLAYING DATA of INSTALLED COUNTERS:.....	7
SUBSEQUENT OPENING OF THE PROGRAM:.....	7
SOFTWARE L-24-MANAGER: AVAILABLE OPERATIONS.....	8
RESETTING USER DATA:.....	8
CANCELLING A USER:.....	8
CANCELLING A LIST OF KWh CONSUMPTIONS & COSTS:.....	8
CHANGING PRINTING CONFIGURATION:.....	8
PRINTING THE LIST OF CONSUMPTIONS & COSTS:.....	8
IMPORTANCE OF THE COMMAND: “RESET No...”.....	9
FILE CREATED THROUGH THE COMMAND “RESET No...”:.....	9
HOW TO OPEN THIS FILE:.....	10
FILE CONTENTS:.....	10

INITIAL SETUP PROCEDURE TO BE PERFORMED AFTER INSTALLATION

HOW TO INSTALL THE SOFTWARE:

1. Insert the compact disk and open it.
2. Double click on "SETUP.EXE" to start installation.

A window will appear: Elcotronic LM24 Manager Installation Program with a warning message.

3. Click "OK" to proceed.
4. Click on "CAMBIA DIRECTORY" (change directory) if you want to install the software in a different directory than the default one.
5. Click on the computer picture to proceed:

The following page will appear: Elcotronic LM24 Manager – select set of programs (we recommend to use the default one).

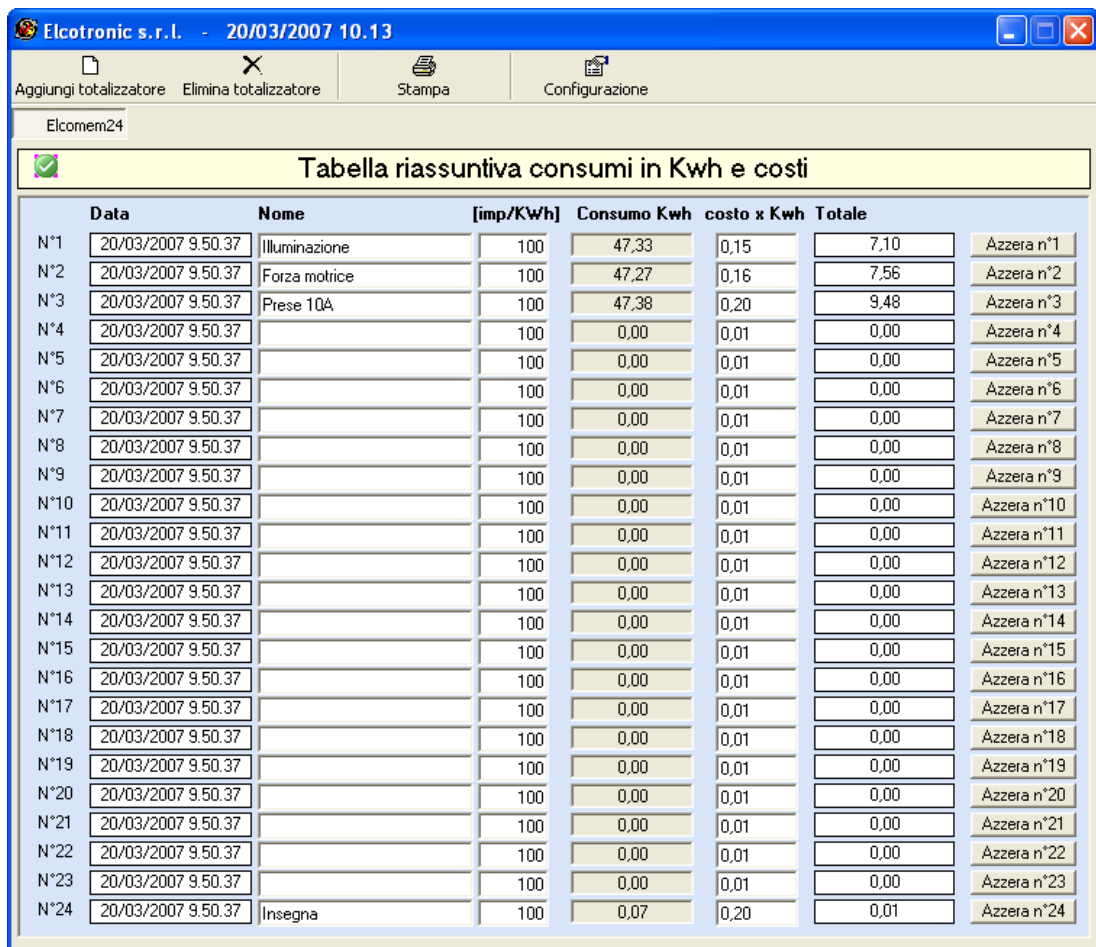
6. Click on "CONTINUA" (go on) to start the installation procedure.

Once installation is completed, the following message will be displayed: Elcotronic LM24 Manager Installation Software; INSTALLATION COMPLETED.

7. Click on "OK" to quit installation.

OPENING THE PROGRAM:

- Click on “START” (AVVIO):
 - select “PROGRAMMI”;
 - select “ELCOTRONIC”;
 - click on “Elcomem24 Manager LT”.



The screenshot shows a software window titled "Elcotronic s.r.l. - 20/03/2007 10.13". The window contains a menu bar with "Aggiungi totalizzatore", "Elimina totalizzatore", "Stampa", and "Configurazione". Below the menu is a toolbar with a green checkmark icon and the text "Elcomem24". The main area displays a table titled "Tabella riassuntiva consumi in Kwh e costi".

	Data	Nome	[imp/KWh]	Consumo Kwh	costo x Kwh	Totale	
N*1	20/03/2007 9.50.37	Illuminazione	100	47,33	0,15	7,10	Azzera n°1
N*2	20/03/2007 9.50.37	Forza motrice	100	47,27	0,16	7,56	Azzera n°2
N*3	20/03/2007 9.50.37	Prese 10A	100	47,38	0,20	9,48	Azzera n°3
N*4	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°4
N*5	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°5
N*6	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°6
N*7	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°7
N*8	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°8
N*9	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°9
N*10	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°10
N*11	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°11
N*12	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°12
N*13	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°13
N*14	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°14
N*15	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°15
N*16	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°16
N*17	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°17
N*18	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°18
N*19	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°19
N*20	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°20
N*21	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°21
N*22	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°22
N*23	20/03/2007 9.50.37		100	0,00	0,01	0,00	Azzera n°23
N*24	20/03/2007 9.50.37	Insegna	100	0,07	0,20	0,01	Azzera n°24

The following window will appear: Setup Procedures (Impostazioni).

- *Select the language desired..*
- *Enter the company name to be printed on the reports.*

ADDING A NEW COUNTER:

- Click on “AGGIUNGI TOTALIZZATORE” (add a counter) to activate the first Table of Kwh Consumptions & Costs.
- The following window will be displayed:



- Enter instrument name and address: **e.g. First Floor – address 15**
- Select available connection: either RS-485 or Ethernet type
- Click on “VERIFICA” (Test) to check proper connection between counter and PC:
 - if the address field turns green, communication has been properly established.
 - If communication fails, the following message will appear :
DISPOSITIVO NON TROVATO (device not found);
 - Click “OK” ; the address field turns red to warn of the error.
 - Click “ANNULLA” (cancel) to proceed.
- Click on “AGGIUNGI” (add) if proper communication has been established; an icon of our instrument will appear on the top left display, under “Add a new counter”.
 - Repeat the above operation to add a new Elcomem:
e.g. Second floor – ID 102

A NUMBER OF MAXIMUM 31 Elcomem24 CAN BE INSTALLED IN NETWORK.

- Click on the icon to be viewed (**e.g. First Floor**); relevant LIST OF KWh CONSUMPTIONS AND COSTS will be displayed..

ENTERING A CUSTOMER:

- Click the empty line under “NAME” to enter a new user data.
- Enter name, number of pulses per KWh and cost to be debited to the user:
e.g.: COUNTER 1
NAME: **Antonio**
PULSES: **100** (Imp/KWh)
COST: **0,15**
- Click “OK” to enter input data:
 - repeat the above procedure for each user.

DISPLAYING DATA of INSTALLED COUNTERS:

- Click on a different icon (*e.g. Second floor*); relevant list of consumptions will appear. To enter new users, proceed as described above.

“.....IMPOSTAZIONI TERMINATE.....”

SUBSEQUENT OPENING OF THE PROGRAM:

- Click on “START” (AVVIO):
 - select “PROGRAMMI”;
 - select “ELCOTRONIC”;
 - click on “ELCOMEM24 MANAGER”.

A page showing the Lists will be displayed.

- Click on the icon to be viewed (*e.g. First Floor*); an updated version of relevant LIST OF KWh CONSUMPTIONS & COSTS will appear.

SOFTWARE L-24-MANAGER: AVAILABLE OPERATIONS

RESETTING USER DATA:

- Click on line “AZZERA N°...” (reset no...) of a List of Consumptions to clear relevant Kwh consumption and overall cost data (*e.g. Reset No. 1-Antonio*).

You will be prompted to confirm.

- Click “YES” to set registered data to zero; current date and time are restored.

➤ *Entering the reset procedure automatically produces an EXCEL file to keep user data for future reference (for instance after payment has been effected).*

CANCELLING A USER:

- Click on the name of the user to be cancelled (e.g. *Antonio*).
- Cancel the user name, only; do not cancel pulse and cost data to avoid mistakes in calculations.
- Click “OK” to cancel the user.

CANCELLING A LIST OF KWh CONSUMPTIONS & COSTS:

- Click on the counter to be cancelled: relevant List of Consumptions & Costs will appear (*e.g. First Floor*).
- Click on “ELIMINA TOTALIZZATORE” (cancel counter).

You will be prompted to confirm.

- Click “YES” to definitely cancel the List: all displayed data will be cleared but consumption data that will be stored in ELCOMEM24 memory for future reference.
To cancel consumption data, “reset” the user.

CHANGING PRINTING CONFIGURATION:

- Click on “CONFIGURAZIONE” (Configuration).
- Replace existing utility supplier with a new one.
- Select the serial port being used.
- Click “OK” to enter input data.

PRINTING THE LIST OF CONSUMPTIONS & COSTS:

- Click on “STAMPA” (Print).

A page will appear showing the List as it will be printed on a sheet of paper.

- Click on “PRINT”.
- Select the printer being used.
- Click “OK” to print all Lists.

E.g.:

Cost and consumption table

Elcomem24 Pulse Concentrator

	Start date	Description	[KWh]	Cost x [KWh]	Total
1	03/20/2007 9.50	Illuminazione	47,330	€ 0,15	€ 7,1
2	03/20/2007 9.50	Forza motrice	47,270	€ 0,16	€ 7,56
3	03/20/2007 9.50	Prese 10A	47,380	€ 0,20	€ 9,48
4	03/20/2007 9.50		0,000	€ 0,01	€ 0,
5	03/20/2007 9.50		0,000	€ 0,01	€ 0,
6	03/20/2007 9.50		0,000	€ 0,01	€ 0,
7	03/20/2007 9.50		0,000	€ 0,01	€ 0,
8	03/20/2007 9.50		0,000	€ 0,01	€ 0,
9	03/20/2007 9.50		0,000	€ 0,01	€ 0,
10	03/20/2007 9.50		0,000	€ 0,01	€ 0,
11	03/20/2007 9.50		0,000	€ 0,01	€ 0,
12	03/20/2007 9.50		0,000	€ 0,01	€ 0,
13	03/20/2007 9.50		0,000	€ 0,01	€ 0,
14	03/20/2007 9.50		0,000	€ 0,01	€ 0,
15	03/20/2007 9.50		0,000	€ 0,01	€ 0,
16	03/20/2007 9.50		0,000	€ 0,01	€ 0,
17	03/20/2007 9.50		0,000	€ 0,01	€ 0,
18	03/20/2007 9.50		0,000	€ 0,01	€ 0,
19	03/20/2007 9.50		0,000	€ 0,01	€ 0,
20	03/20/2007 9.50		0,000	€ 0,01	€ 0,
21	03/20/2007 9.50		0,000	€ 0,01	€ 0,
22	03/20/2007 9.50		0,000	€ 0,01	€ 0,
23	03/20/2007 9.50		0,000	€ 0,01	€ 0,
24	03/20/2007 9.50	Insegna	0,070	€ 0,20	€ 0,01

IMPORTANCE OF THE COMMAND: “RESET No...”

When the command “AZZERA N°...” (reset no..) is used, the program will automatically perform two important operations:

- 1) selected customer count will be reset;
- 2) an EXCEL file will be created so that data can be stored in a PC.

“THIS FILE CAN BE SUITABLY MODIFIED ON THE SPOT BY A SOFTWARE EXPERT IN ORDER TO OBTAIN A PAYMENT MODULE FOR INVOICING OPERATIONS”.

FILE CREATED THROUGH THE COMMAND “RESET No...”:

When the command “RESET No...” is used, the program will automatically create an EXCEL file in the directory: C:\PROGRAMMI\LM24\OUTFILE\

This file name is obtained as follows:

(E.g. referred to Antonio): **2005 K 11 101 01.csv**

- the first 4 characters refer to the year when payment started (*e.g. 2005*);
- the 5th character is the month expressed in letters (*e.g.: Gennaio = A; Febbraio = B; ...C; D; E; F; G; H; I; J; K; Dicembre = L*);
- the 6th and 7th characters refer to the day (*e.g. 11*);
- the 8th, 9th and 10th characters refer to ELCOMEM24 address (*e.g. 101*);
- the 11th and 12th characters refer to the number of the reset user (*e.g. 01-Antonio*).

HOW TO OPEN THIS FILE:

- First open EXCEL program and then the reset user file.

Opening the file from the directory it is located in, may result in blurred data display.

FILE CONTENTS:

This file contains a summary of the reset user data, as obtained as follows:

- ➔ 1[^] Column: counter address (*e.g. 101*);
- ➔ 2[^] Column: counter name (*e.g. First Floor*);
- ➔ 3[^] Column: count start date (*e.g. 11/11/05 11.00*);
- ➔ 4[^] Column: contract number (*e.g. 1*);
- ➔ 5[^] Column: user name (*e.g. Antonio*);
- ➔ 6[^] Column: count value (*e.g. 25*);
- ➔ 7[^] Column: pulse constant (*e.g. 100 pulses/KWh*);
- ➔ 8[^] Column: pulse cost (*e.g. 0,15 €*);
- ➔ 9[^] Column: count end date (*e.g. 11/11/05 12.53*).

A	B	C	D	E	F	G	H	I
101	First Floor	10/10/05 11.00	1	Antonio	25	100	0,15	10/11/05 10.30