



UGO BASILE


Biological Research

windas 2004



Windas 2004

Ugo Basile - WinDas 2003

 **UGO BASILE**
Biological Research

WinDAS 2004
version: 1.0.0

User Name:

Password:

Cancel OK

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This is the first mask of the new
windas 2004
Ugo Basile Biological Research
acquisition software.

First of all software requires **name & password**.

On every activity in the system the software
stores username & date-time



Main

Port
Monitoring

Menu

Configured
Instruments

Ugo Basile Biological Research

File Animals Experiments Window Help

UB DFS
04-7430ACTY

000
01-7141PLET

03-2600MUPR

SerialControl

4 1 2

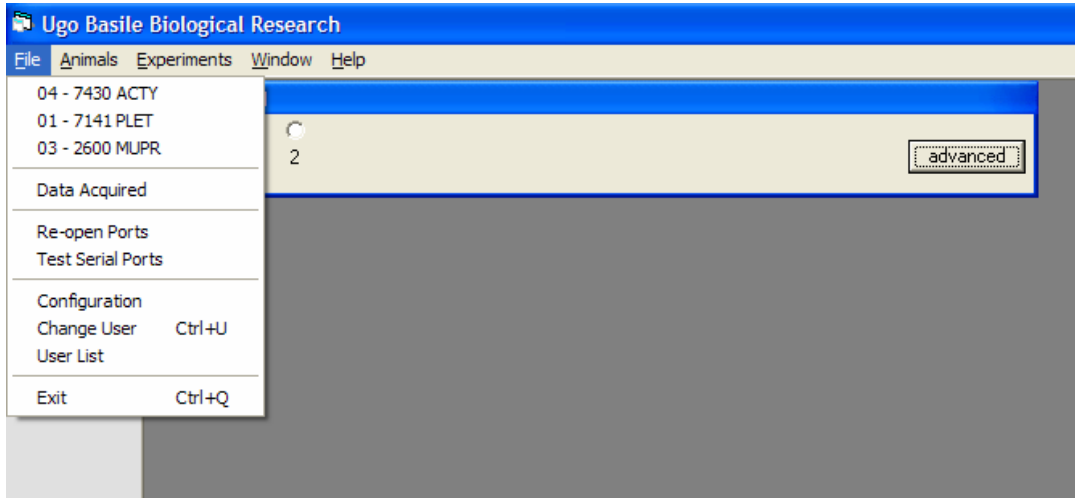
advanced

CAPS NUM 12/02/2004 18.11





menu File

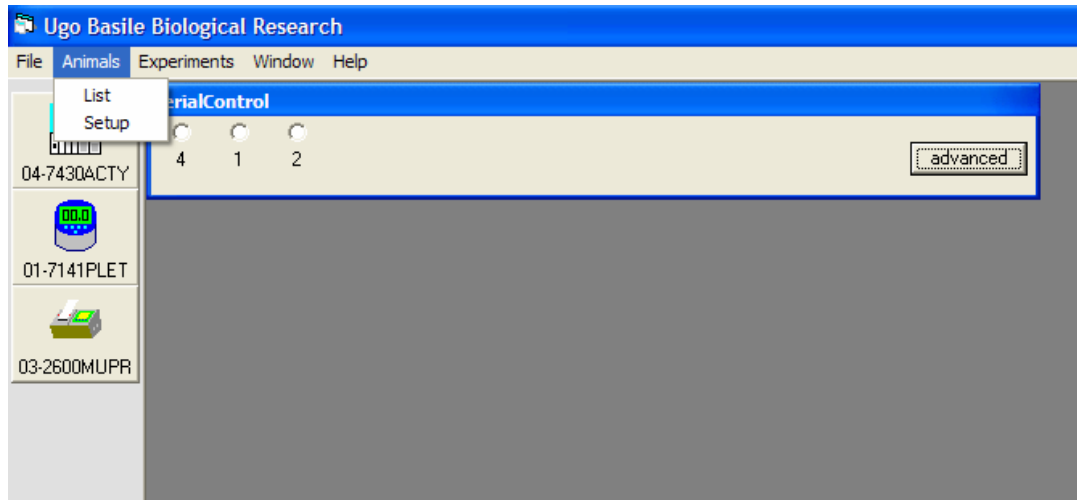


In menu **File** we have :

- Instruments list
- Data acquired
- Port control
- Configuration
- Users configuration



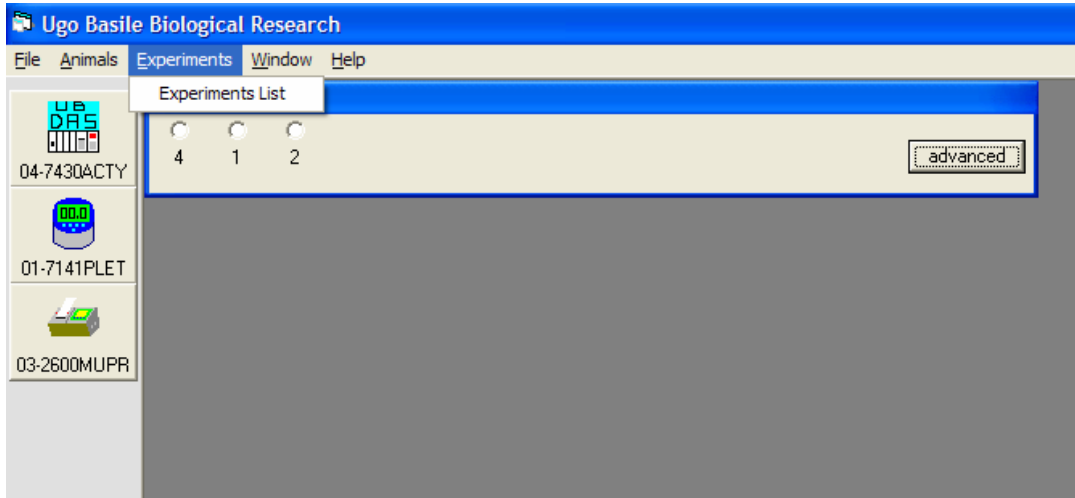
menu Animals



In menu Animals
we have the access
to the Animals DB



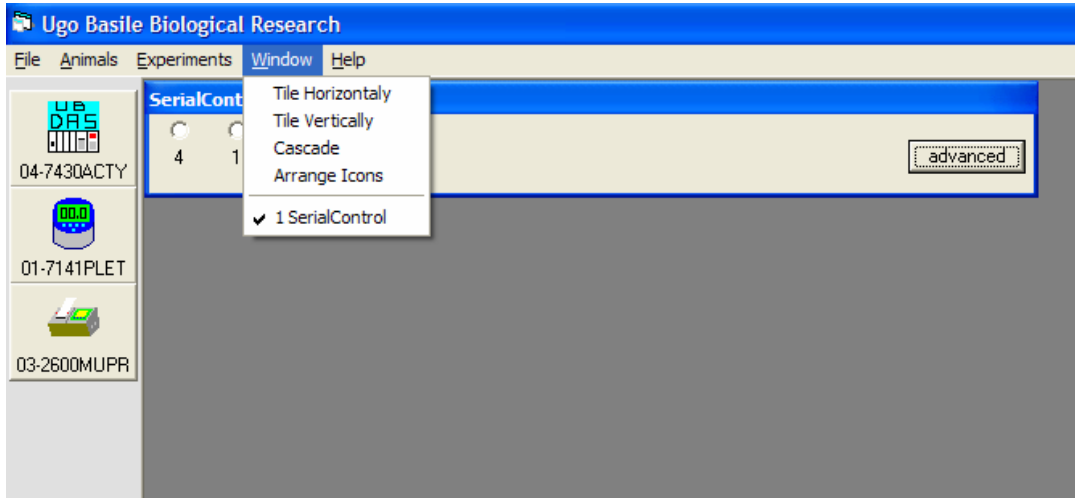
menu Experiments



In menu **Experiments**
we have the access
to the Experiments DB



Menu Windows



In menu **Windows** we have the classical command to arrange program windows



Configuration

The screenshot shows the 'Ugo Basile Biological Research' software interface. The main window has a menu bar with 'File', 'Animals', 'Experiments', 'Window', and 'Help'. On the left, there is a sidebar with three instrument icons: '04-7430ACTY', '01-7141PLET', and '03-2600MUPR'. The 'SerialControl' panel is active, showing three radio buttons labeled '4', '1', and '2', and an 'advanced' button. The 'Configuration' dialog box is open, displaying a table of instrument configurations.

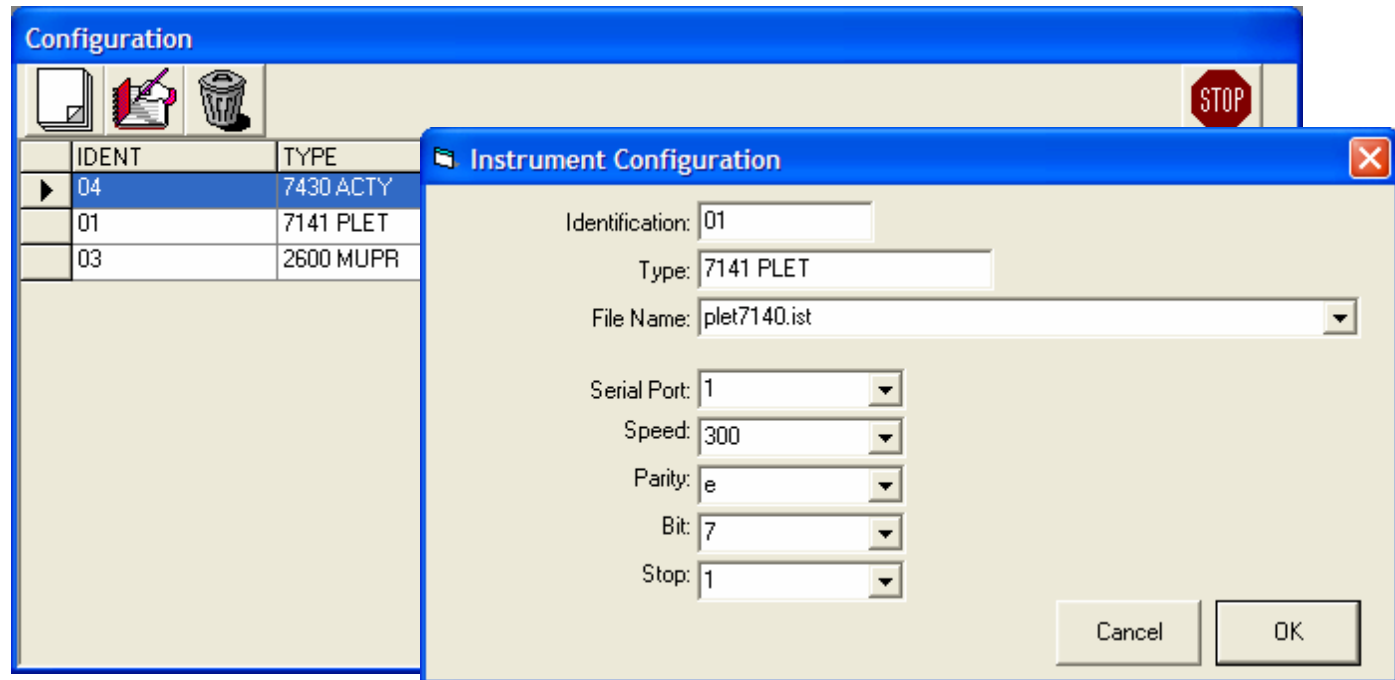
IDENT	TYPE	FileName	SerialPort	Speed	Parity	Bit	Stop
04	7430 ACTY	pippo.ist	4	300	e	7	1
01	7141 PLET	plet7140.ist	1	300	e	7	1
03	2600 MUPR	pletismometer2.ist	2	300	e	7	1

menu **File** – **Configuration** opens the instruments configuration windows

Here we can < **add** > < **delete** > < **modify** > the instruments in use



Configuration



For every Instrument we can configure:

- 2-characters identification (for compatibility)
- Type of Instrument
- Name of Instrument Module
- Serial Port Parameters



Animals database

menu **Animals – List** opens the animals database

Here we can < **add** > < **delete** > < **modify** > the animals in db

Ugo Basile Biological Research

File Animals Experiments Window Help

SerialControl

4 1 2 advanced

Database Animali

Code	Group	Description	Sex	Born Date	Dimension	Pressure	Weight
CD001	Beta	coniglietto peloso	Male	15/05/1999			
CD002	Alfa	coniglietto glabro	Female	11/12/2002	piccolo		

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Animals database

The screenshot shows a database application window titled "Database Animali" with a table of animal records. An "Update" dialog box is open in the foreground, showing the details for the first record (Code/Name: CD001, Description: coniglietto peloso, Sex: Male, Born Date: 15/05/99, Group: Beta). The dialog box has fields for Code/Name, Description, Sex (radio buttons for M and F), Born Date, Group, Dimension, Pressure, and Weight, along with Cancel and OK buttons.

Code	Group	Description	Sex	Born Date	Dimension	Pressure	Weight
CD001	Beta	coniglietto peloso	Male	15/05/1999			
				11/12/2002	piccolo		

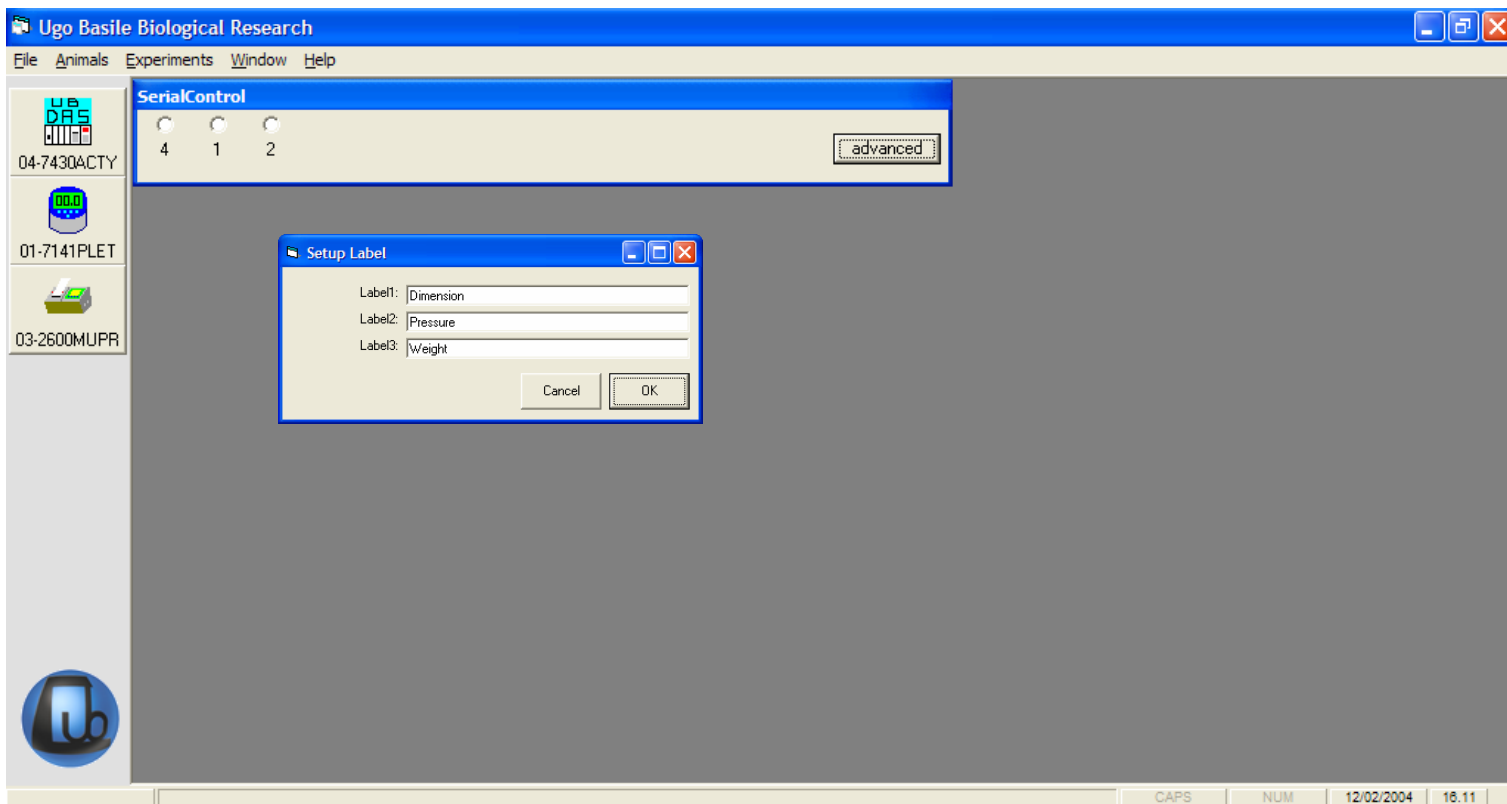
For every **Animal** we have:

- Code/Name
- Description
- Sex
- Group
- 3 user-defined fields (in this example dimension, pressure, weight)



Animals database

menu **Animals – Setup** opens the 3 user-defined fields for the animals database





Experiments database

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File Animals Experiments Window Help

SerialControl

4 1 2 advanced

Experiments

Code	Description	Init Date	End Date
▶ KK3	prova di oscar	11/12/2003 16.47.07	

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menu **Experiments** – **Experiment List** opens the experiment database

Here we can < **add** > < **delete** > < **modify** > the experiment in db



Experiments database

The screenshot displays the 'Experiments' application window. At the top, there is a toolbar with icons for a document, a pencil, and a trash can, along with a red 'STOP' button. Below the toolbar is a table with the following data:

	Code	Description	Init Date	End Date
▶	KK3	prova di oscar	11/12/2003 16.47.07	

In the foreground, an 'Experiment Detail' dialog box is open, showing the following fields:

- Code: 342
- Description: esperimento numero 342
- Init Date: 11/12/2003 16.47.07
- End Date: (empty)

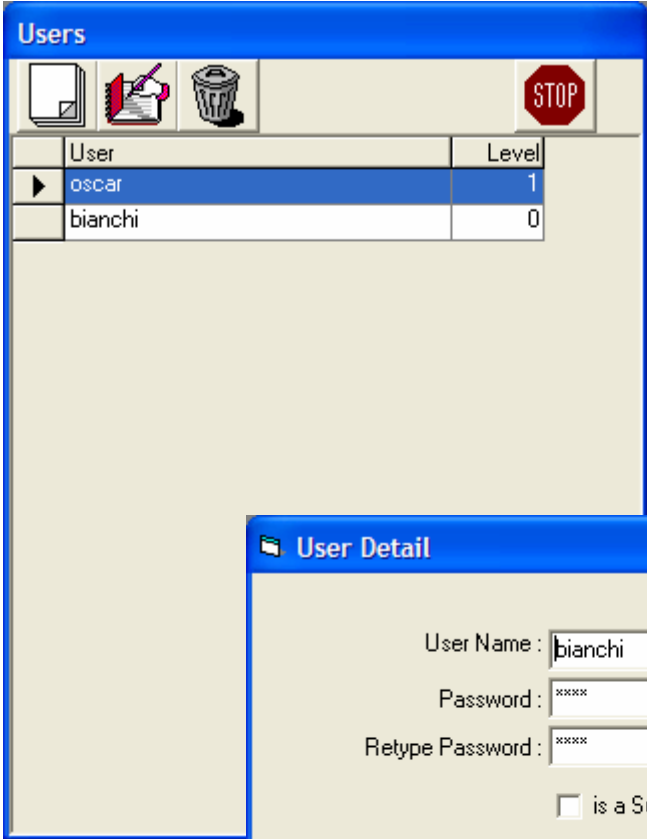
The dialog box also contains an 'End Now' button and 'Cancel' and 'Ok' buttons at the bottom.

For every **Experiment** we have:

- Code
- Description
- Initial Date
- End Date



Users



If the user is a **supervisor**, he can view the list of other users, create, modify or delete users.

Only a **supervisor** can create other supervisors.



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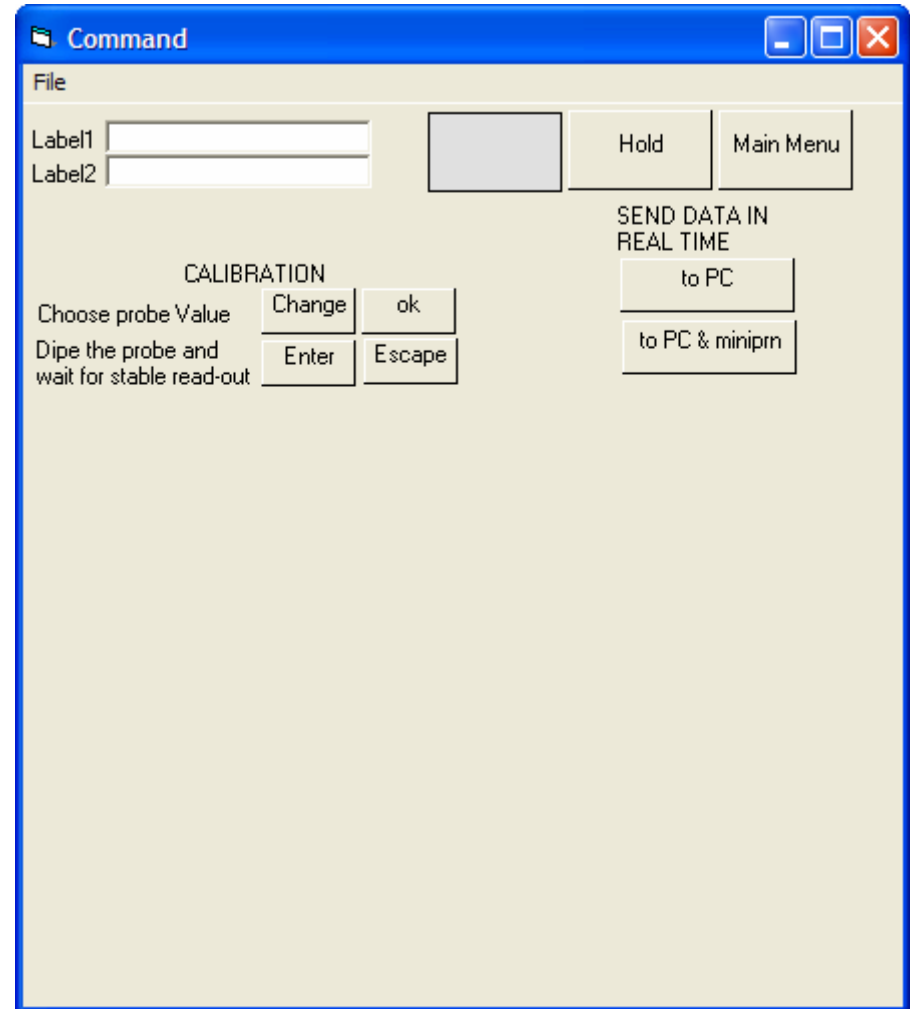
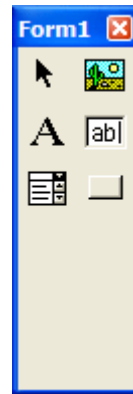
Biological Research

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the core



Module creation



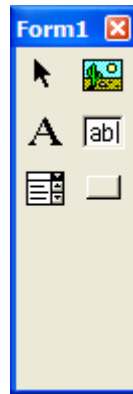
There is a specific software, **the Canvas**, for drawing modules.

Every module is saved in a **file** and can be used in configuration.

Same instrument can have more than one module .



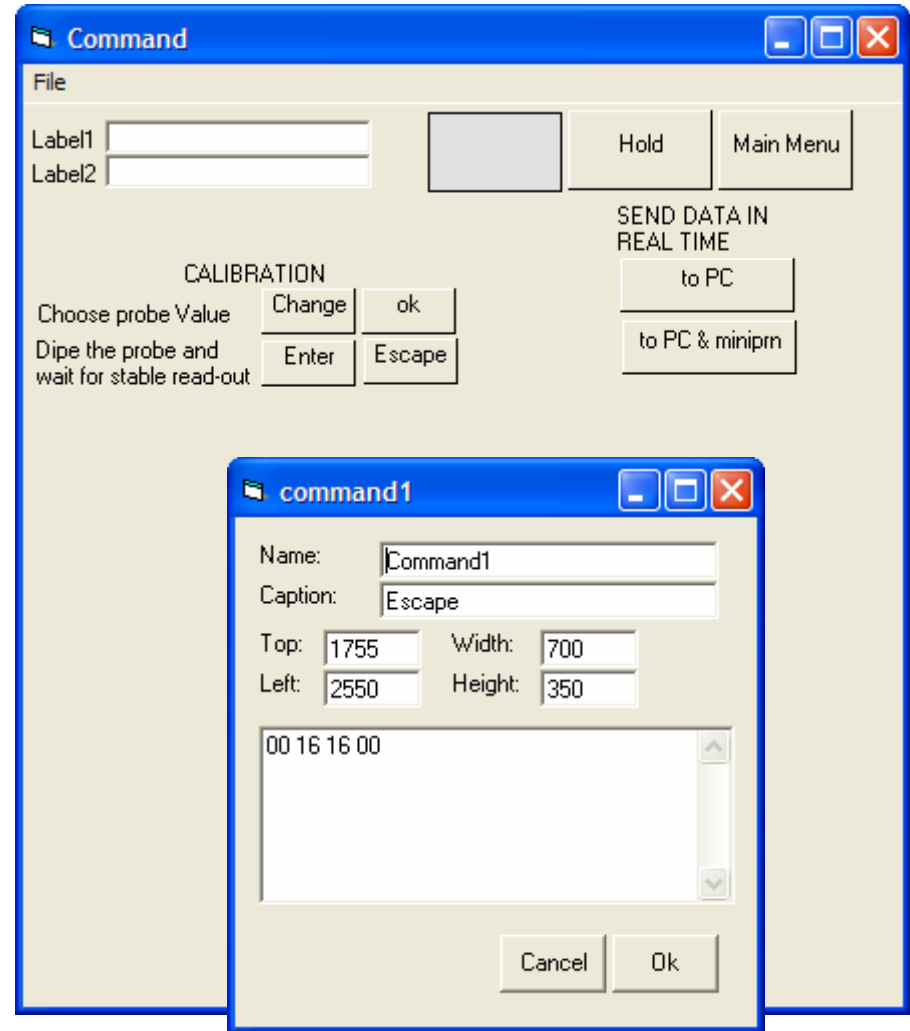
Module creation



We can add **buttons**, **labels**, **text fields** and images into the module.

The **buttons** can be linked to a command string to send to instrument.

The **text fields** can be linked to an information (Animals, Experiments, Label etc.)





Module

We can open or close the single module.

We can modify dimensions and positions.

The software remembers these informations for every user.

More users can use the same pc for different experiments without informations merge.



Data Acquired

Data Acquired										
IDENT	LETTURA	LETTURA1	LETTURA2	LETTURA3	TYPE	Sigla	Gruppo	Sesso	Da	
01	01 +02.26	+02.26			7141 PLET	CD002	Alfa	F	11	
01	01 +02.26	+02.26			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00	-00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00	-00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00	-00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00	-00.00			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00	-00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00	-00.00			7141 PLET	CD002	Alfa	F	11	
01	01 +00.00 1MR01	+00.00 1MR01			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00 1MR02	-00.00 1MR02			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00 1MR03	-00.00 1MR03			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00 1MR04	-00.00 1MR04			7141 PLET	CD002	Alfa	F	11	
01	01 -00.00 1MR05	-00.00 1MR05			7141 PLET	CD002	Alfa	F	11	
01	01 01 0012 0000 02	01 0012 0000 02			7141 PLET	CD002	Alfa	F	11	
01	01 2004-02-04 10:37	2004-02-04 10:37:25			7141 PLET	CD002	Alfa	F	11	
01	01 01 0000 0000 02	01 0000 0000 02			7141 PLET	CD002	Alfa	F	11	
01	01 2004-02-04 10:35	2004-02-04 10:39:25			7141 PLET	CD002	Alfa	F	11	
01	01 01 0000 0000 02	01 0000 0000 02			7141 PLET	CD002	Alfa	F	11	
01	01 2004-02-04 10:41	2004-02-04 10:41:25			7141 PLET	CD002	Alfa	F	11	
01	01 01 0000 0000 02	01 0000 0000 02			7141 PLET	CD002	Alfa	F	11	
01	01 2004-02-04 10:43	2004-02-04 10:43:30			7141 PLET	CD002	Alfa	F	11	
01	01 01 0000 0000 02	01 0000 0000 02			7141 PLET	CD002	Alfa	F	11	



Data Acquired

IDENT	LETTURA	LETTURA1	LETTURA2	LETTURA3	TYPE	Sigla	Gruppo	Sesso	Date
01	01 +02.26	+02.26			7141 PLET	CD002	Alfa	F	11
01	01 +02.26	+02.26			7141 PLET	CD002	Alfa	F	11
01	01 -00.00	-00.00			7141 PLET	CD002	Alfa	F	11
01	01 +00.00	+00.00			7141 PLET	CD002	Alfa	F	11

The software acquires informations from every open instrument.

The informations stored are:

- Code
- Data from instrument
- Splitting from original data
- Type
- Informations about animal (code, sex, group etc.)
- Informations about experiment (code)
- Date & Time
- User

