




1. Creating a new project:

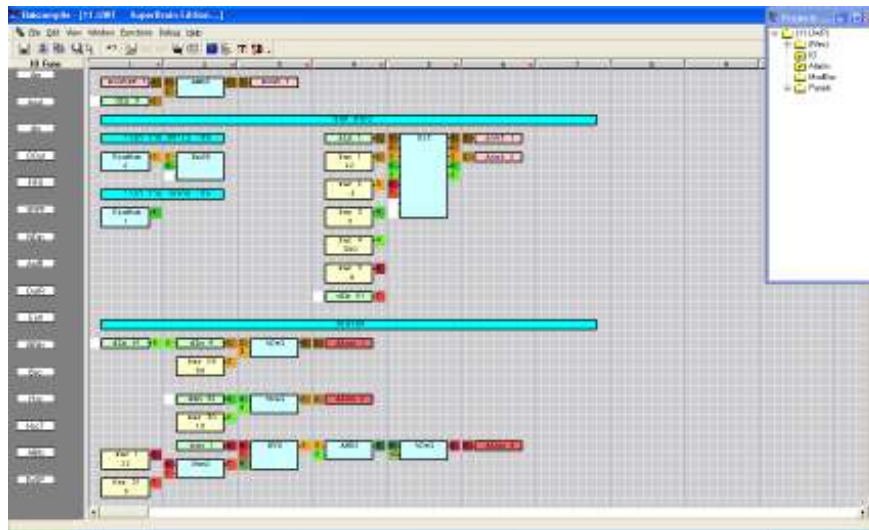
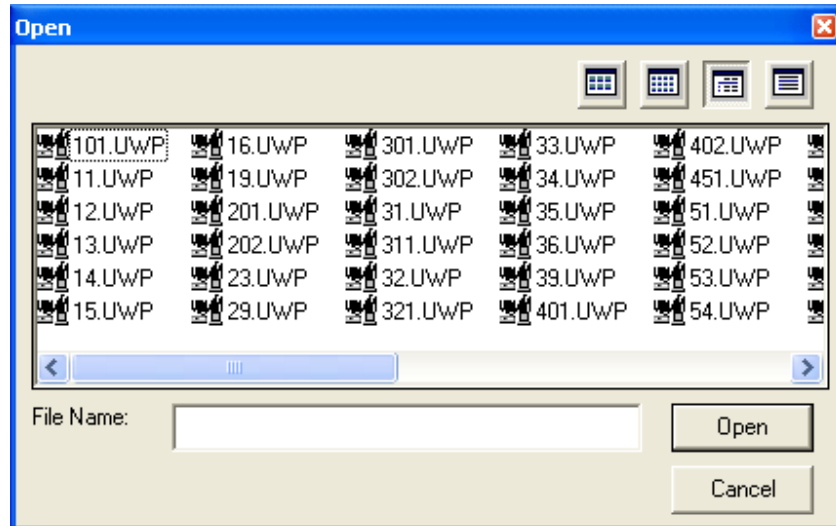
- 1.1. Choose the database folder and by set the project's path by using Main-Menu 
and clicking on  button.
- 1.2. Access Uniart\Bin and Run *WinBAK_SBEx1.exe* or hold left "Alt" button and
click on the  button.
- 1.3. In the database folder the following folders will be created automatically:
 - 1.3.1. **UWP** – for Projects files.
 - 1.3.2. **UWF** – for Programs files
 - 1.3.3. **SuperBrain** - for all SuperBrain specials. In this folder the following folders will be created:
 - 1.3.3.1. **bmp** - for “.bmp” files as graphic display on the LCD screen.
 - 1.3.3.2. **obj** – for internal use of the program. Includes “.obj” files.
 - 1.3.3.3. **ALL_OBJ** - for internal use of the program. Includes “.obj” files.

2. Establishing communication with SB controller:

- 2.1. Depends on the communication type (RS485 \ Ethernet TCP/IP) access
C:\Uniart\Bin and activate Appserver.exe for RS485 or Netserve.exe for Ethernet.
- 2.2. Setup the communication settings such as serial address, baud rate, parity and IP address. (For more details please check the Uniart manual).

3. Programming the SuperBrain (SB) controller.

3.1. After running *WinBAK_SBEx1* :

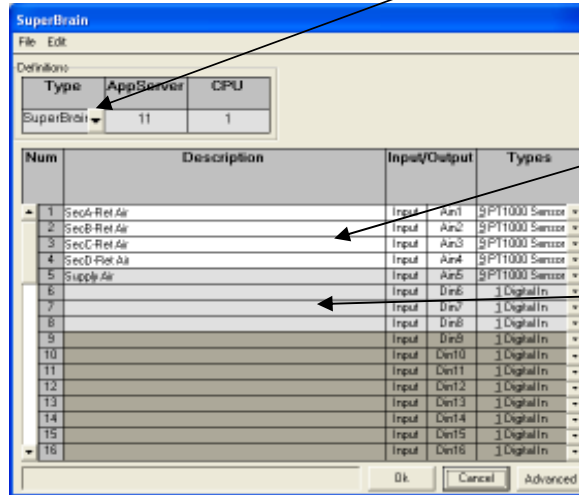


3.2. Select the project file you need, or create a new project file.

3.3. The following window will appear:

3.4. Use Winbak functions in order to prepare the application you need according to the project requirements (for more details about using Winbak check Winbak manual).

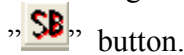
3.5. IO setting and descriptions: please choose "SuperBrain New" type.



Descriptions and settings for System A (white areas)

Descriptions and settings for System B (gray areas)

3.6. For setting the SuperBrain specials (HMI graphics and email) - press on: the



button.

Annotations for the 'Specials' window:

- Use Full IO:** Sets the program as a "System A" only.
- Program name (File):** 901
- One Language:** Multi lingual, Make sure that the **One Language** is marked.
- IO descriptions:** Valve display, according to "Display definitions"
- Enable Time Program for an:** (points to the 'Time' column in the An1-An8 table)
- Sets a constant time program number for Output:** (points to the 'Const' column in the Aout1-Aout8 table)
- will be displayed on the controller's screen by pressing "help":** (points to the 'System Description' text area)

Description	Table	Display
An1	Supply Air	2
An2		0
An3		0
An4		0
An5		0
An6		0
An7		0
An8		0

Description	Table	Time P.	Const
Aout1	VSD 1 Speed		0
Aout2	VSD 2 Speed		0
Aout3			0
Aout4			0
Aout5			0
Aout6			0
Aout7			0
Aout8			0

3.7. Alarm settings:

Alarms Definition

The screenshot shows a window titled "Alarms Definitions" with a table of 30 rows. The first three rows contain descriptions: "High Temp" (row 1), "Fan1 fault" (row 2), and "Fan2 fault" (row 3). The remaining rows are empty. At the bottom left, there is a checked checkbox labeled "One Language". At the bottom right, there is a button labeled "Copy From WinBak".

	31		1
	32	High Temp	2
	33	Fan1 fault	3
	34	Fan2 fault	4
	35		5
	36		6
	37		7
	38		8
	39		9
	40		10
	41		11
	42		12
	43		13
	44		14
	45		15
	46		16
	47		17
	48		18
	49		19
	50		20
	51		21
	52		22
	53		23
	54		24
	55		25
	56		26
	57		27
	58		28
	59		29
	60		30

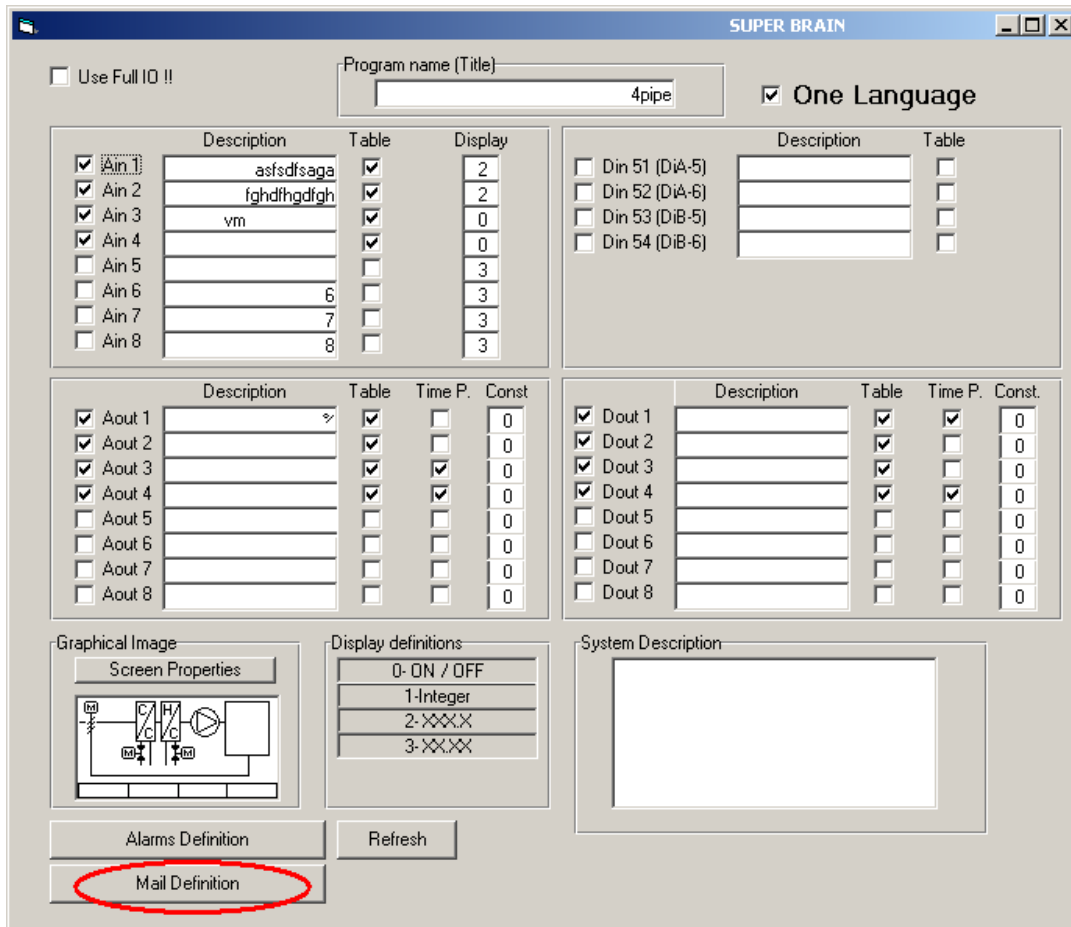
Alarm descriptions

Multi lingual,
Make sure that the **One Language** is marked.

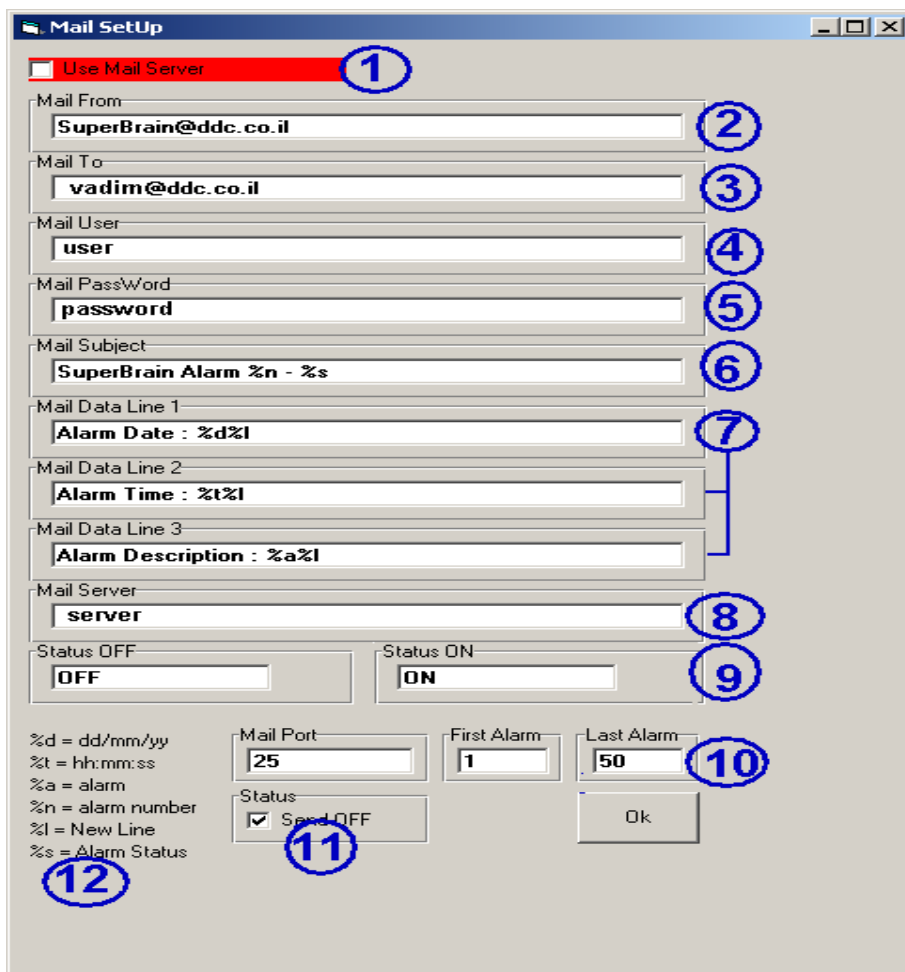
An option to copy alarms text from WinBak. This will delete all existing alarms descriptions.

4. Preparing email alarms for SuperBrain TCP

- 4.1. The feature is supported by SB TCP 64 bit from bios version 367 and higher.
- 4.2. Activate WinbakSB and open the relevant UWP project file.
- 4.3. Open the WinbakSB properties screen and press on the mail definition button.



- 4.4. The mail definition screen will appear.




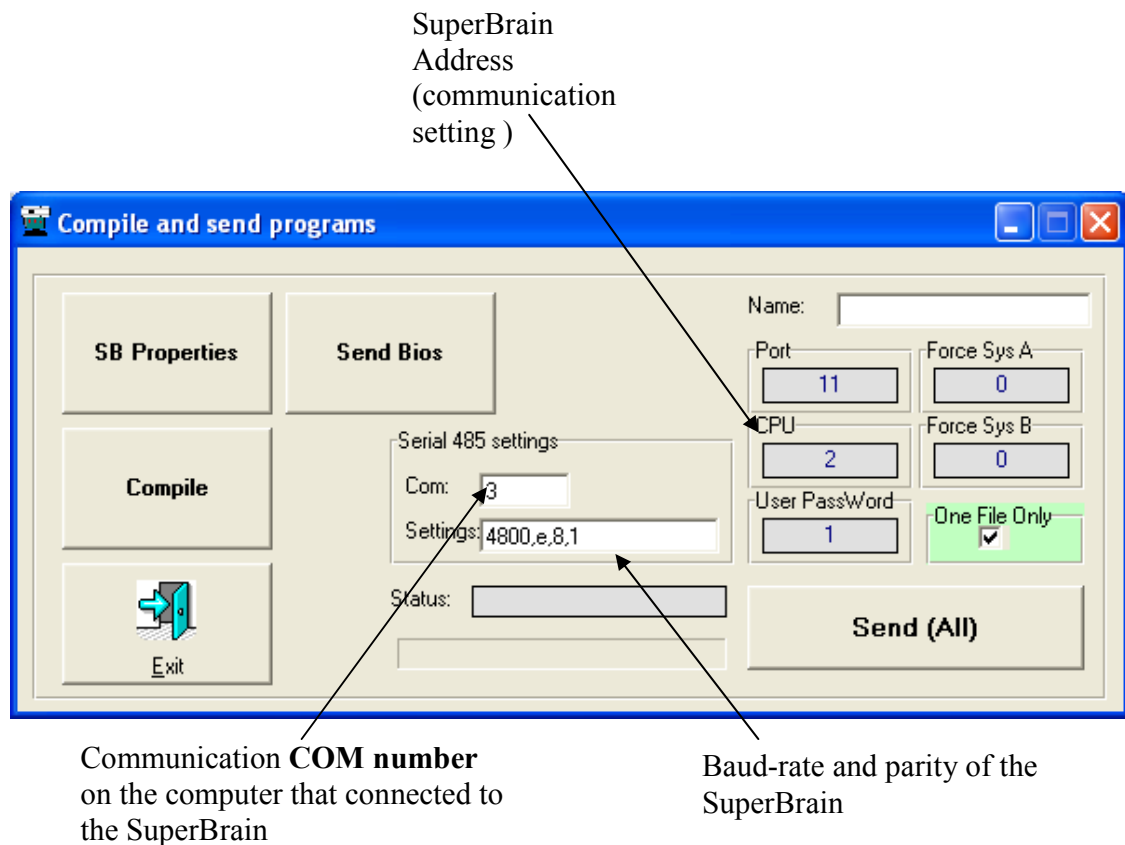
4.5. This screen allows defining: email definitions, alarm message, according to the following explanation:

- 1) Use mail server - mark "v" in order to activate the email server in the SB.
- 2) Mail From – the text in this row is what the client will see as the name of the email sender.
- 3) Mail to – the email address to send to.
- 4) Mail user – must be defined as in standard PC email definitions.
- 5) Mail password - must be defined as in standard PC email definitions.
- 6) Mail subject – the subject of the email message that the receiver will get (free text).
- 7) Mail data lines 1,2,3 – the body of the message (free text).
- 8) Mail server - must be defined as in standard PC email definitions.

- 9) Status ON, OFF – free text that can be applied to the subject or to the body of the message in cases of alarm is on or off (please check paragraph 12).
- 10) First Alarm, Last Alarm – the alarms number that will activate the email messages (for example alarms from number 5-17).
- 11) Status, send off – mark "v" in cases that an email must be send also when the alarm is fixed.
- 12) Special signs and features:
 - a) **%d** – if used in the subject or body of the message will add the date of the alarm.
 - b) **%t** – if used in the subject or body of the message will add the time of the alarm.
 - c) **%a** – must be used in the subject or body of the message includes the description of the alarm as defined is SB.
 - d) **%n** – can be used in the subject or body of the message includes the description of the number alarm as defined is SB.
 - e) **%i** – used to mark end of line when using free text in the body of the message.
 - f) **%s** - can be used in the subject or body of the message includes the status messages as defined in paragraph 9.

5. Compiling and sending the program to controller.

5.1. Press on the compile button in WinBak .



SB Properties –

links to graphical settings.

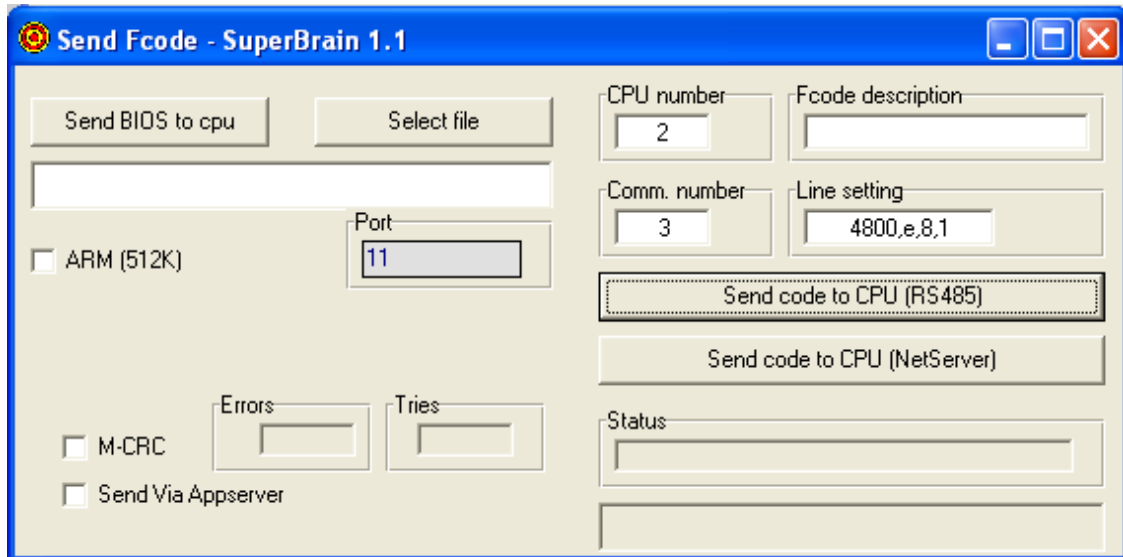
Compile –

compiles the current project and creates an *obj* file in the obj folder without sending to the controller.

Send (All) –

Sending all projects in the working folder to the controller (if One File Only is marked only current applications will be sent).

5.2. Sending new BIOS/Firmware.



Stretch the Send window, select the BIOS file ("Select File") and send to controller ("Send BIOS to cpu").

Recommended: use external SendBios.exe software.