

Orgenandele Automatic Digital Timetable Gustem



User's Guide

Preface:

The main function (purpose) of this system is to manage the time and schedule the jobs, tasks, and events inside any social establishment (school, company, factory ...).

 Tel: +963(21)2113460
 Fax: +963(21)2115203
 Web: www.al-awail.com
 Mail: info@al-awail.com



By means of this system; you can easily schedule the on duty time and the rest periods, arrange the regular activities in a software timetable, store alarming times and modify them via a Personal Computer.

This system has been developed by "AL-Awail company for electronic engineering" to make it easy to control (switch on/off) a school bell at the beginning and ending of the school terms (for instance), to announce (publicize) that the rest period is over, to inform people in an establishment that the on duty time is over, and so on.

The system also launches (initiates) an audio alarm at a preset time to indicate this time clearly; in addition to the possibility of controlling external devices (bells, audio amplifiers) and their operating durations.

Thank you for purchasing our products, and since you trust us; we declare that we are obligated to provide you with a full technical support and maintenance services, we hope that our products will be at your convenience.

Please read this user's guide in whole and follow its instructions to get the system operating properly, keep the user's guide because you may need it later.

Main features:

- ✓ A digital programmable clock with a six-digit display.
- \checkmark 12/24 time modes.
- ✓ Automatic and manual switching between summer/winter time modes.
- ✓ Displaying temperature which ranges from /-9°C/ to /+60°C/.
- ✓ Five display modes (time, date, temperature).
- \checkmark It's controlled by a local keypad and a remote control.
- ✓ It's programmable via a PC.
- ✓ A possibility to schedule up to /120/ alarming times in a timetable for each day of week.
- ✓ The timetable can be saved in a software file that can be modified and loaded later.
- ✓ An audio circuit for launching an alarming sound for each preset time.
- \checkmark It can be connected to an audio amplifier or external speakers.
- ✓ It can control (switch on/off) external devices (amplifier, bell...) according to a preset timetable.
- ✓ The main power cut doesn't affect the time even if it lasted more than one month.
- \checkmark The operating voltage is (100 ~240) Vac.
- ✓ Low power consumption (economical).

Installation and operation:

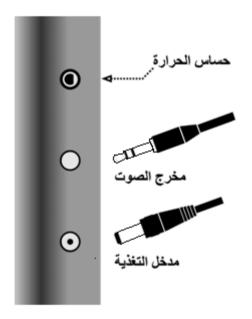
To switch on the system; follow the next steps:

1- Plug the enclosed adaptor (9V/2.5A) in the AC main power outlet.



- 2- Plug the adaptor output jack in the power input socket located on the right side of the system.
- 3- The system will operate and display the preset time on the display.
- 4- To set new time, follow the instructions in (date and time adjustment) paragraph.
- 5- To program the timetable, follow the instructions in (**programming the timetable**) paragraph.
- 6- To connect an audio amplifier or external speakers, follow the instructions in (external speaker connection) paragraph.
- 7- To connect the control out to an external device, follow the instructions in (how to connect the control out) paragraph.

The temperature sensor is located on the upper right side of the system frame, be careful not to close the aperture allocated for this sensor in order to have an actual measurement of the ambient temperature.



Connecting the adaptor output and the audio out

	Date and time adjustment via remote control:								
You can enter the date and time adjustment mode by means of the adjustment key as follows:									
day		month		vear		hour		ninute	
uay		month		year		nour		minute	
: +963(21)2113460	<i>Fax:</i> +	963(21)2115	203	Web: w	ww.al-	<u>awail.com</u>	Ма	il: <u>info@al-a</u>	wail.com







Note1: no need to adjust the week days, they are calculated automatically according to the stored date.

Note2: in case you want to exit from the adjustment mode without saving changes, press EXIT key.

Extra functions on the remote control:

- To switch between 12/24 time modes, press 🔴 key.
- To switch between summer/winter time modes, press even key.
- To switch between the display modes (time/date/temperature), press the following keys:
 - To display the time and temperature consecutively every five seconds.
 - **I** To display the time only.
 - **I** To display temperature only.
 - To display the time and date consecutively every five seconds.
 - To display the time, date, and temperature consecutively every three seconds.
- To mute the alarming sound press 🖗 key.
- To disable the control out while operating, press \bigcirc key.
- To enter the display test mode, press 🛄 key.
- To exit the display test mode, press EXIT key.

Date and time adjustment via local keypad:

The system has a local keypad located on the back side (rear panel), the keypad contains seven keys and two light indicators (LEDs).

The steps of the time and date adjustment via the local keypad are exactly the same as the adjustment steps via remote control.

The next table lists the keys and their functions on the local keypad.

Key symbol

R

24

PM

Key function
Reset key
/24/ hour light indicator
PM light indicator
Increase key
Enter key
Decrease key
Summer/winter switching key
12/24 time mode switching key
Adjustment key
Display modes switching key

Programming the timetable via computer:

The timetable is programmed by means of the software supplied with the system.

Install this software (setup.exe) on your PC, during the installation you may encounter a message asks to replace an already existed file; press ok (agree to replace).

As you have finished the software installation; you can run the program from the start menu, you will see the graphical user interface illustrated in the next figure.



عربی File Action Help	
Action help	
Select Day	•
Set Time HH : MM	
	-
Set Alarm Duration	•
Select Sound File	•
Add >> <<	emove
COM1 2400,N.8,1 Por	is Closed 10:02:22 AM 17/06/2008

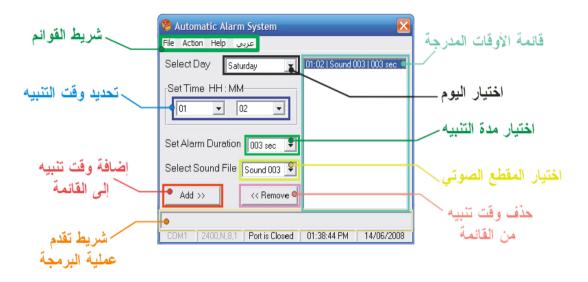
The user interface has been designed to be a user-friendly (you can deal with easily), you can change the user interface language to Arabic from 'عربي' menu.

Dealing with the program:

The main window of the program contains the following:

- 1- The main menu bar.
- 2- The Select Day popup menu.
- 3- The Set Time box (two popup menus).
- 4- The Set Alarm Duration popup menu.
- 5- The Select Sound File popup menu.
- 6- Add button to add the settings to the timetable.
- 7- Remove button to remove the settings from the timetable.
- 8- The scheduled time list.
- 9- The progress bar.





1. The main menu bar:

- 🗵 File:
 - 1. New data file: erase all the settings in the scheduled time list to configure new ones.
 - 2. Load data file: load the settings from a data file.
 - 3. Save data file: save the settings to a data file.
 - 4. Print data file: print the data file.
 - 5. Exit: close the program.
- 🗷 Action:
 - 1. Programming system: upload (write) the settings in the scheduled time lists to the system.
 - 2. Erasing data memory: erase the settings in the system data memory.
 - 3. Language: select the interface language (Arabic/English).
- 🗵 Help:
 - 1. User's guide: information about how to use the software.
 - 2. About us: information about the manufacturer company (company profile).
 - 3. Our web site: a link to our web site.
 - 4. About program: the version of the software and other information.



2. "Select Day" menu:

This menu is to select the day you want to schedule the times in.

Note: each day has its own list which contains the scheduled times, you can switch between the lists from the "Select Day" menu.

Automatic / الله Automatic / المعنة	Alarm System مسا English		X
أختر اليوم Set Time HH 02 بدة التشغيل المقطع الصوتي << إضافة الوقت	السبت السبت الأحد الإثنين الأربعاء الثلاثاء الثلاثاء الخميس الجمعة الحمية Sound 002	02:02 Sound (002 001 sec
COM1 2400,1	1,8,1 Port is Closed	03:27:04 PM	14/06/2008

3. "Set Time" box:

This box has two popup menus, one of them is for the hour setting and the other is for the minutes setting.

To set the alarming time, select the hour (HH) and minute (MM) in each popup menu.

Note: setting the time is in 24 hour time mode.

عدة إجراء ملف	Alarm Syste English مسا:			
أختر اليوم	السبت			
Set Time HH	<mark>قائق</mark> H : MM	31		
09 السباعة	· 02	-		
مدة التشغيل	53 54 55			
المقطع الصوتي	56 57 58			
<< إضافة الوقت	59	_ حل		
COM1 2400	N.8.1 Port is	s Closed	03:31:12 PM	14/06/2008

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 Fax: +963(21)2115203
 Web: www.al-awail.com
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4. "Set Alarm Duration" menu:

The system has a control out for switching on/off external devices (audio amplifier, school bell...), the operation time duration of the control out is determined in the "Set Alarm Duration" menu.

You can select a different duration for each scheduled time.

Note: select the value "000 Non" to disable the control out.

🥵 Automatic Aları	n System		
مساعدة إجراء ملف	English		
سبت أختر اليوم	👻 الد		
Set Time HH : MM	M	ĨĿ.	
09 👤	58 🗾		
مدة التشغيل	001 sec 💌		
المقطع الصوتي	233 sec 234 sec 235 sec		
<< لِضَافَة الوقت	236 sec 237 sec 238 sec		
COM1 2400.N.8.1	239 sec	03:34:59 PM 1	4/06/2008

5. "Select Sound File" menu:

You can select a different sound section (audio alarm) for each scheduled time; the audio alarming sections are previously recorded in a digital chip contained in the system.

Specified audio sections can be previously recorded at request.

Note: the maximum number of the audio sections that can be programmed (by the manufacturer) is /120/.

To disable the audio section for a scheduled time; select "000 Non".



🧐 Automatic Aları	n System		X
مساعدة إجراء ملف	English		
سبت أختر اليوم	💌 الد		
Set Time HH : MM	۸ 58 –		
		a 12	
مدة التشغيل المقطع الصوتى	025 sec 💌		
	Sound 002 💌		
<< إضافة الوقت	Sound 114 Sound 115 Sound 116		
COM1 2400.N.8.1	Sound 116 Sound 117 Sound 118	03:41:51 PM	14/06/2008
COM1 2400,N,6,1	Sound 119 Sound 120	03.41.31 FM	14/00/2008

6. "Add" button:

As you have finished selecting the previous settings (day, time, alarm duration, and sound file); you can add these settings to the scheduled time list of this day by pressing "Add" button.

Note: the maximum number of the alarming times that can be added to the scheduled time list of one day is /120/.

Note: the alarming time will be added to the scheduled time list only when you select the day + the time + the alarm duration or sound file or both of them.

🧐 Automatic Al	arm System	
ساعدة إجراء ملف	مە English	
مختر اليوم Set Time HH : ■ ■		02:25 Sound 001 006 sec
مدة التشغيل المقطع الصوتي	006 sec 💌 Sound 001 💌	
<< إضافة الوقت]	حذف الوقت >>	
COM1 2400,N,	8,1 Port is Closed	03:50:38 PM 14/06/2008

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 Fax: +963(21)2115203
 Web: www.al-awail.com
 Mail: info@al-awail.com



7. "Remove" button:

You can remove any scheduled time from the scheduled time list for a preselected day by selecting this time then pressing "Remove" button.

You can also remove any time from the scheduled time list by double click on it.

😵 Automatic Alarm System	
عساعدة إجراء ملف جتر اليوم Set Time HH : MM 25 ▼ 25 ▼ 006 sec ▼ 50und 001 حذف الوقت >> (< إضافة الوقت	02:25 Sound 001 006 sec 02:25 Sound 001 006 sec
COM1 2400,N,8,1 Port is Closed	04:37:50 PM 14/06/2008

8. The scheduled time lists:

The list which is located on right side of the window contains all the scheduled times for the selected day, so we have seven individual lists (a list for each day).

The alarming times appear in the scheduled time list for the selected day in the "Select Day" menu.

Note: the maximum number of the alarming times that can be added to one day list is /120/.

You can remove any time by double click on it.

The order of the scheduled times in the list is not important, the system will handle the times according to their values regardless of their order in the list.



Programming the system

To upload the settings to the system, connect it to the COM port of your PC, the next figure shows the COM port on the back side (rear panel) of the PC.



Use the enclosed cable (programming cable) to connect the system to the PC, the system should be switched on while programming.



After making sure that the connection between the PC and the system has been done correctly, select the command "Programming system" from the "Action" menu, the uploading process will start; you shouldn't execute any command during the upload process.

😤 F:\Al-Awail 1-1-2008\School C	Clock\VB6\SCH804\ 🔀
English مساعدة إجراء ملف	
رمچة النظام اليوم Ctrl+P !مسح ذاكرة النظام Ctrl+D !مسح ذاكرة النظام Set اللغة	00:19 Sound 019 019 set 00:20 Sound 020 020 set 00:21 Sound 021 021 set 00:22 Sound 022 022 set
02 • 02 •	00:22 Sound 022 022 set 00:23 Sound 023 023 set 00:24 Sound 024 024 set 00:25 Sound 025 025 set 00:26 Sound 026 026 set
مدة التشغيل	00:27 Sound 027 027 sec 00:28 Sound 028 028 sec
▼ Sound 002	00:29 Sound 029 029 sec 00:30 Sound 030 030 sec 00:31 Sound 031 031 sec
حذف الوقت >> << لِضَافة الوقت_	00:32 Sound 032 032 sec 00:33 Sound 033 033 sec
COM1 2400.N.8,1 Port is Closed	05:03:25 PM 14/06/2008

 Tel: +963(21)2113460
 Fax: +963(21)2115203
 Web: www.al-awail.com
 Mail: info@al-awail.com



Upon selecting the "programming system " command from the "Action" menu, the software will look for the COM port connected to the system, then it will transfer the data to the system (the progress bar indicates the progress of the data transferring process), at the end this process the program will originate a message says: "the system has been programmed successfully".

🤓 F:\Al-Awail 1-1	-2008\School (lock\VB6\	SCH804\ 🗙
مساعدة إجراء ملف	English		
كحد أختر اليوم Set Time HH : MI 04 ◄ مدة التشغيل المقطع الصوتي << لِضافة الوقت		00:01 Non 00:02 Sour 00:03 Sour 00:04 Sour 00:05 Sour 00:06 Sour 00:07 Sour 00:07 Sour 00:07 Sour	d 001 000 No 000 001 sec d 002 002 sec d 003 003 sec d 004 004 sec d 005 005 sec d 005 005 sec d 006 006 sec d 007 007 sec d 009 009 sec d 010 010 sec d 011 011 sec d 012 012 sec d 013 013 sec d 014 014 sec
COM1 2400,N,8,1	Port is Closed	05:12:46 PM	1 14/06/2008

The progress bar in the bottom of the window will show the progress of the uploading process, after a few seconds the system will originate a message says: "the system has been programmed successfully".

Note: as you have finished programming the system, disconnect the programming cable and restart the system.

Note: in some cases you may have error messages:

"Port already open & used" this message says that the port is occupied by another application and you need to close it and start over programming the system.

If you don't know the application that occupy the port, restart the PC or log off and on; the port will be closed automatically.



F:\Al-Awail 🍪 اعدة إحراء ملف	1-1-2008\School مس English	Clock\VB6\SC	H804\ 🗙
أختر اليوم Set Time HH 01 ▼ مدة التشغيل المقطع الصوتي << لِضافة الوقت	 الإثنين MM 04 O4 SCH804 من قبل برنامج آخر OK 	_	178 078 sec 179 079 sec 180 080 sec 181 081 sec 182 082 sec 183 083 sec 183 083 sec 184 084 sec
COM1 2400,N	.8.1 Port is Closed	05:19:17 PM	14/06/2008

"System is not connected! Please connect the system with COM port" this message says that there is no connection between the system and the software; you need to connect the programming cable correctly and retry the uploading process.

🤓 F:\Al-Awail 1	-1-2008\School (Clock\VB6\S(CH804\ 🗙
English مساعدة إجراء ملف			
, أختر اليوم Set Time HH : 03 ▼	 ◄ MM 04 	01:17 Sound 01:18 Sound 01:19 Sound 01:20 Sound 01:21 Sound 01:22 Sound 01:23 Sound 01:24 Sound	079 079 sec 080 080 sec 081 081 sec 082 082 sec 083 083 sec
مدة التشغيل	SCH804		085 085 sec 086 086 sec
المقطع الصوتي << لِضافة الوقت	النظام غير موصل نظام مع الحاسب		087 087 sec 087 087 sec 088 088 sec 089 090 sec 090 240 sec 090 230 sec ❤
COM3 2400,N,8	8.1 Port is Closed	05:16:51 PM	14/06/2008

Note: in case the problem is still exist, contact the technical support in the company or send an E-mail.

How to connect the control out:

The system has a control out for switching on/off external devices (amplifier, bell...), these external devices are switched on according to the settings scheduled in the timetable.

 Tel: +963(21)2113460
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Note: the maximum power consumption of the loads connected to the control out should not exceed /2000/W.

There is on the rear panel of the system an electrical white cable with two plugs (male and female) at each end, connect the male plug to the main power outlet (220V) and the female plug to the load.

