AL-Muzakkira

User's guide

1. Features:

1.1 Date and time:

- Digital Hijri/Georgian calendar and clock.
- Auto calculating the Hijri date with possibility of flexible adjustment.
- Names of Hijri months and week days.
- **12/24** hour time modes.
- Auto switching between summer/winter time modes (for countries with double time mode).

1.2 Prayer times:

- Displaying the five prayer times and the sunrise time.
- Full Azan with a high-quality sound at each prayer time and flashing alarm.
- Displaying the remaining time for Iqama with possibility to change this time individually for each prayer time.
- Four Takbirat with flashing alarm at each Iqama time.
- Audio alarm before Azan with possibility to change the alarm settings.
- Prayer times for up to /**28**/ cities.

1.3 Extra features:

- Displaying temperature which ranges from /**-9°C**/ to /**+60°C**/.
- Sleep mode (displaying time and temperature only).
- Two alarms for general purposes with multi options of the alarming sound.
- A remote control and a local keypad to control AL-Muzakkira.
- Key tones.
- Possibility to lock the remote control keys.
- Front panels with different languages, various designs, a new design is welcome at customer request.

2. The Authorized prayer times in AL-Muzakkira:

The prayer times and the sunrise time are programmed in AL-Muzakkira according to the authorized prayer times in each city; these are not related to any astronomic mathematic calculations, so they can't be changed by the user.

When you want to change these times, you need to advise the manufacturer, sales agent, or the authorized maintenance agent.
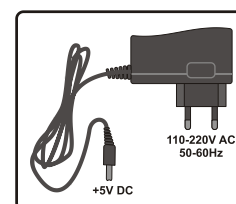
3. AL-Muzakkira description:

3.1 Operating voltage:

AL-Muzakkira operates on /**+5Vdc**/ from an external adaptor which has the following electrical characteristics:

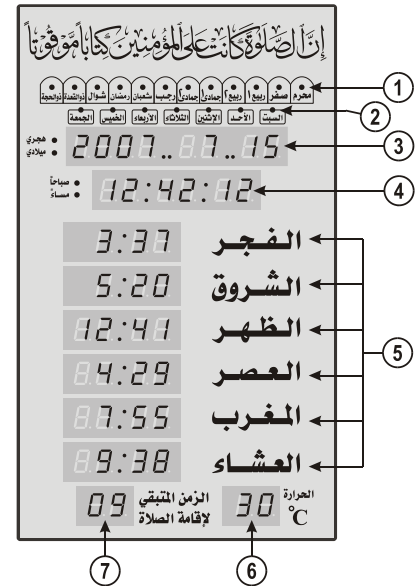**Input: 110-220Vac, 50-60Hz**   **output: +5Vdc, 1A**

When the main power is off; the displays are all off, but the internal timing circuit is still working based on an internal battery, so AL-Muzakkira doesn't need to be readjusted even if the main power cut lasted one month.

Note: In case of the adaptor is damaged, please contact the sales agent or the authorized maintenance agent to have a new one with the same specifications.

3.2 The displaying:

AL-Muzakkira consists of:

1) Light indicators (LEDs) to indicate the Hijri month names.
2) Light indicators (LEDs) to indicate the week days.
3) Date display with two led indicators (Hijri/Georgian).
4) Time display with two led indicators (AM/PM).
5) Six displays for the prayer times and the sunrise time.
6) Temperature display.
7) The display of the remaining time for Iqama.

3.3 The display of the remaining time for Iqama:

This display operates only when it is the time for a prayer; the remaining time for Iqama appears on this display in minutes; and starts decreasing minute by minute, at the last minute the display starts flashing and decreasing second by second to zero. When the remaining time for Iqama is Zero; the display continues flashing for one more minute then it is switched off till the next prayer time.

3.4 The control:

All the control functions of AL-Muzakkira can be achieved by the local keypad which is located at the back side of AL-Muzakkira, or by the remote control which is an infrared transmitter.
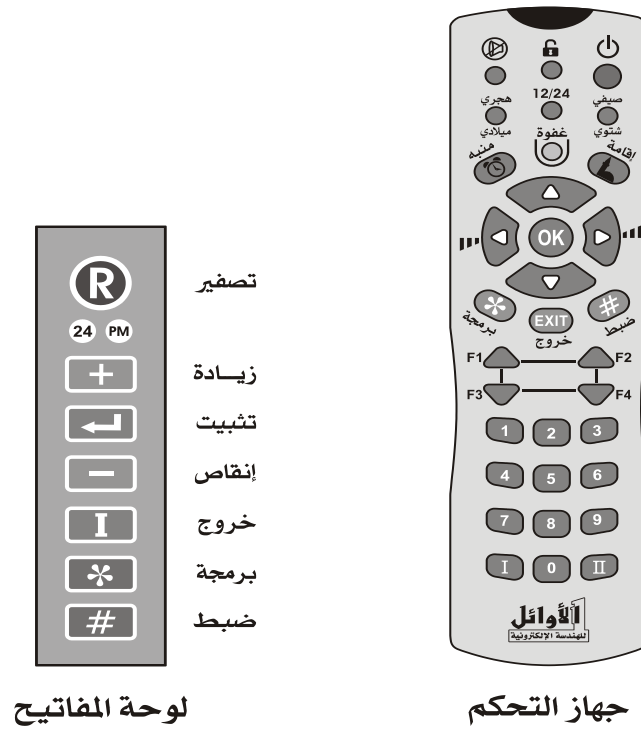
When you use the remote control; point it to the temperature display which contains the infrared receiver, this receiver has a light indicator flashes upon receiving signal from the remote control.

The control functions are listed in programming menus in the programming mode, you can enter the programming mode by pressing (✳) key on the local keypad or on the remote control.

Table1 lists the common control keys in the remote control and the local keypad; and their functions.

For easy access to some main control functions; the remote control is supplied with some speed access keys.

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Table2 lists these speed access keys in the remote control.

لوحة المفاتيح   جهاز التحكم

Local keypad	Remote control	Key function	page
+	⬡	Increase key	
↵	OK	Enter key	
—	⬡	Decrease key	
I	EXIT	Exit key	
*	✳	Programming key	
#	#	Time and date adjusting key	
Ⓡ	-	Reset key	

Table1: common control keys in the remote control and local keypad

Remote control	Key function	Page
⏻	Turning on/off – sleep mode	
🔒	Lock/unlock the remote keys	
▷	Mute	
صيفي شتوي	Switching summer/winter time mode	
12/24 ●	Switching 12/24 time mode	
هجري ميلادي	Change date display mode	
◖	Adjusting the remaining time for Iqama adjusting the alarm before prayer	
غفوة	Snooze for five minutes	
⏰	Adjusting the alarm (the first and second)	
F1	Turning on Azan sound (test)	
F2	Turning on/off key tones	
F3	Not used	
F4	Setting the Hijri date	

Table2: Speed access keys in the remote control

3.5 How to set the numbers:

When you are adjusting one of AL-Muzakkira functions; the value you are dealing with starts flashing which means that you can set a new value.

Setting a new value (when it flashes) can be achieved by:

- **The local keypad** by using increase (+) and decrease (−) keys, then press (↵) key to save changes.
- **The remote control** by using increase (▲) and decrease (▼) keys or number keys (**0…..9**), then press (OK) key to save changes.

4. Important instructions for installation:

- Keep AL-Muzakkira away from moisture, heat sources, and direct sunlight.
- Clean AL-Muzakkira with a wet cotton cloth, wipe it gently and slowly to avoid electrostatic charges.
- When connecting AL-Muzakkira to the main power and appear nothing on the displays, do the following:
  1. Press the (⏻) key on the remote control or (+) key on the local keypad.
  2. If nothing appeared; press the reset key (R) on the keypad only.

3. If no response happened after setp2; press the reset key (**R**) and the adjustment key (**#**) simultaneously, release the (**R**) key first then release the (**#**) key, AL-Muzakkira should operate and display the default time and date.
   Default time: 12:00AM
   Default date: 01st Jan. of the manufacturing year.
4. If there is no response after the three mentioned steps, contact the sales agent or the authorized maintenance agent.

5. The programming menus:

All the control functions have been listed in eight programming menus illustrated in **table3**; to enter the programming mode press and hold the programming key (**�֍**) for three seconds, then on the date display will appear the following:

o **"Prog"** word (as abbreviation to **program**) in the place of the year digits.
o Program number (**0 …… 8**) in the place of the month digits.
o Another number defines sub-function (appears in some programs only) in the place of the day digits.

You can use the mentioned keys in **"How to set the numbers"** paragraph to select the required program number.

	العـام	الشهر	اليوم
• هجري			
• ميلادي	Prog..	04 ..	8.8.

Program	Function	page
Prog..01	Adjusting the first alarm bEEL..01 for only once	
Prog..02	Adjusting the second alarm bEEL..02 daily alarm	
Prog..03	Selecting the alarm sound out of four electronic sounds	
Prog..04	Adjusting the remaining time for Iqama	
Prog..05	Adjusting the alarm before Azan	
Prog..06	Selecting the alarm sound before Azan out of seven options 1-four Takbirat 2-the prayer is better than the sleep 3-ordinary Azan 4-al-fajr Azan 5-electronic alarm (short) 6-electronic alarm for a half minute	
Prog..07	Activate (on)/deactivate (off) the sound of: 1-Azan 2-Iqama Takbirat 3-alarm before Azan 4-key tones	
Prog..08	A: city number and B:time difference	
Prog..00	Exit from programming mode	

Table3: programming menus

6. Locking the remote control keys:

AL-Muzakkira is provided with a remote control lock to avoid abuse, when you press any key on the remote control and the symbol ⊟⊟ appears on the temperature display; this means that the remote control is locked and AL-Muzakkira will not respond.

- o To unlock the remote control, press and hold (🔓) key for three seconds.
- o To lock the remote control press (🔒) key.

7. Sleep mode and switching AL-Muzakkira on/off:

In the sleep mode; AL-Muzakkira displays the time and temperature only.

When you press the (⏻) key on the remote control or the (➕) key on the local keypad repeatedly, AL-Muzakkira circulates from the normal operation mode to the sleep mode to the power off mode then returns back to the normal operation mode and so on.

Notes:

- o When AL-Muzakkira is off, the light indicator of the infrared receiver flashes every three seconds to indicate that the main power is connected; and AL-Muzakkira is ready to receive the power-up command from the remote control.
- o When it's the time for Azan and AL-Muzakkira is in the sleep mode, it will switch to the normal operation mode for only one minute and then it will go back to the sleep mode automatically.
- o When AL-Muzakkira is in the sleep mode, you can return to the normal operation mode by pressing any key except (⏻) key or (➕) key.

8. Adjusting the time and date:

8.1 How to Set the time and date:

1. Press and hold the adjustment key (#) for three seconds to enter the time and date adjusting program.
2. The Georgian date appears and the year digits start flashing. Set the required value then press (OK), the month digits will start flashing.
3. Set the month and the day in the same way.
4. The Georgian date will disappear and AL-Muzakkira will calculate the equivalent Hijri date which appears flashing (**the whole date digits will flash**) on the date display.
5. If there is mismatch between the calculated Hijri date and the actual one, use the increase (🔺) and decrease (🔻) keys to set the actual value, then press (OK).
6. The hour digits will start flashing, set the required value then press (OK), pay attention to the AM/PM led indicators and to the letter that appears in the seconds' place:

   - o Letter ⊟ A indicates AM.

   - o Letter ⊟ P indicates PM.

o **Blank**: indicates **24** hours mode.

You can press (●^{12/24}) key to switch between **12/24** hour time modes.

7. When the minutes digits are flashing, set the required value then press (**OK**), at this time the date and time will be stored and AL-Muzakkira will return back to the normal operation mode.

Notes:

- In case of setting a wrong value, you have to readjust AL-Muzakkira and repeat the steps in "**How to set the time and date**" paragraph.
- If you are adjusting the time and date, you can go back to the normal operation mode without saving changes by pressing (**EXIT**) key.
- As you have finished adjusting AL-Muzakkira, check the status of the AM/PM indicators.
- Pay attention to adjust the time and date precisely (every three months) because this affects the prayer and Iqama times.
- AL-Muzakkira calculates the Hijri date according to the Georgian date automatically, so make sure to adjust it accurately.

8.2 Adjusting the Hijri date:

If the Hijri month endings which are calculated by AL-Muzakkira don't match the actual Hijri month endings, you can adjust the Hijri date without entering the time and date adjusting program as follows:

When AL-Muzakkira is in the normal operation mode; press and hold (**F4**) continuously, AL-Muzakkira will display three consecutive probabilities of the Hijri date (the calculated Hijri date plus one day, the calculated Hijri date, and the calculated Hijri date minus one day), release (**F4**) at the actual date.

8.3 Adjusting the summer/winter time modes:

AL-Muzakkira switches automatically between the summer/winter time modes at the beginning of April and October (or November).

In case of it's necessary to switch between summer/winter time modes manually (in a date different from those mentioned above), press ([●]صيفي/شتوي) key to increase/decrease the time, the prayer times, and the sunrise time by one hour.

8.4 The date displaying modes:

AL-Muzakkira has three modes for displaying the date:

1. Switching between Hijri/Georgian dates every five seconds.
2. Displaying the Hijri date only.
3. Displaying the Georgian date only.

In order to switch between the three displaying modes; press ([●]هجري/ميلادي) key.

9. Adjusting the general-purpose alarms:

AL-Muzakkira has two alarms for general purposes with multi options for the alarming sound.

The first alarm (For once): when it's the time for alarming; AL-Muzakkira launches an electronic sound and the alarm settings will be canceled. So you need to readjust the alarm if you would activate it again.

The second alarm (daily alarm): AL-Muzakkira launches an alarming sound daily at a preset time.

9.1 Adjusting the first alarm(`Prog..01`):

To adjust this alarm; press (🕐) key once or enter to the programming mode (**prog01**), on the date display will appear [`bEEL..01..on`] when the alarm is already adjusted (**ON is flashing**), or [`bEEL..01..oF`] when the alarm is disabled (o**FF is flashing**).

- Use increase (⬆) or decrease (⬇) key to switch the alarm **on/off**.
- When selecting o**FF** and pressing (**OK**) key, you will not be able to adjust the alarming time.
- When selecting **ON** and pressing (**OK**) key, the time display will flash and you can set the required alarming time.

9.2 Adjusting the second alarm (`Prog..02`):

To adjust this alarm; press (🕐) key twice or enter the programming mode (**prog02**), on the date display will appear [`bEEL..02..on`] when the alarm is already adjusted (**ON** is flashing), or [`bEEL..02..oF`] when the alarm is disabled (o**FF** is flashing).

- Use increase (⬆) or decrease (⬇) key to switch the alarm **on/off**.
- When selecting o**FF** then pressing (**OK**) key you will not be able to adjust the alarming time.
- When selecting **ON** and pressing (**OK**), the time display will flash and you can set the required alarming time.

9.3 Mute or delay the alarming sound:

When it's the time for an alarm; AL-Muzakkira launches an alarming sound, this sound can last **15** minutes and you can do the following:

- Cancel the alarm by pressing mute (ⓑ) key or (**EXIT**) key on the remote control or (**I**) key on the local keypad.
- Get a snooze for five minutes by pressing the snooze key (🔘).

You can repeat pressing the snooze key (🔘) three times only, and the alarm will be canceled in the fourth time.

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9.4 Selecting the alarming sound (`Prog..03`):

You can select the alarming sound out of four electronic sounds; enter the programming mode (**prog03**), see **table3**.

10. Adjusting the Iqama time (`Prog..04`):

When AL-Muzakkira is in the normal operation mode; you can adjust the Iqama times as follows:

Press the Iqama key ( ); the preset Iqama times will appear on the prayer displays instead of the prayer times, the Iqama time of AL-Fajr prayer will be flashing.

Note that **Prog04** will appear on the date display, see **table3**.

- Set the Iqama time of AL-Fajr prayer to the required value then press (**OK**), the Iqama time of AL-Duhr prayer will start flashing.
- Repeat the last step to set the Iqama times for the other prayer times.
- As you have finished, press (**EXIT**) to save changes and exit to the normal operation mode, the prayer times and sunrise time appear on the displays.
- The Iqama time is within the range from **zero** to **99** minutes, when you set the required value to zero; the Iqama time will be disabled.
- The display of the remaining time for Iqama doesn't operate at AL-Duhr prayer on Friday.

Note: you can set the Iqama times by entering to the programming mode (**prog04**).

11. The alarm before Azan:

AL-Muzakkira has an alarm before Azan; the alarming time is adjustable by the user with possibility to change the alarm settings of each prayer individually.

11.1 Adjusting the alarming time (`Prog..05`):

- Press the Iqama key ( ) twice; the preset alarming times before Azan will appear on the prayer displays instead of the prayer times, the alarming time before Azan for AL-Fajr prayer will be flashing.
  Note that **prog05** appears on the date display, see **table3**.
- Set the alarming time before Azan for AL-Fajr prayer to the required value then press (**OK**), the alarming time before Azan for AL-Duhr prayer starts flashing.
- Repeat the last step to set the alarming times for the other prayer times.
- As you have finished; press (**EXIT**) to save changes and return back to the normal operation mode, the prayer times and sunrise time will appear on the displays.
- The alarming time before Azan is within the range from **zero** to **99** minutes, when you set the required value to zero, the alarm will be disabled.

Note: you can adjust the alarming times before Azan by entering the programming mode (**prog05**).

11.2 selecting the alarming sound (`Prog..06`):

There are multi options for the alarming sound; you can select it for each prayer individually as follows:

- Press and hold the program key (✱) for three seconds, then select **Prog06**.
- A number appears on each prayer display and the number on AL-Fajr display will be flashing; this number indicates the alarming sound before Azan, see **table3**.
- Use the control keys to set the required sound for AL-Fajr prayer then press (OK) key, the number on AL-Duhr display starts flashing.
- Repeat the last step to set the alarming sound before Azan for the other prayers.
- As you have finished; press (EXIT) to save changes, the program number starts flashing (**06** on the month digits), press (EXIT) once again to exit from the programming mode.

12. Sounds activating and deactivating ($Prog..07$):

(Azan, Iqama Takbirat, alarm before Azan, key tones).

Enter the programming mode and select **Prog07**.

On AL-Fajr display appears:

$1:on$ If Azan sound is enabled or $1:oF$ if Azan sound is disabled (**ON/OFF** is flashing), use the increase/decrease keys to set the required value then press (OK) key, the sunrise display starts flashing.

On the sunrise display appears:

$2:on$ If Iqama Takbirat sound is enabled or $2:oF$ if Iqama Takbirat sound is disabled (**ON/OFF** is flashing), use the increase/decrease keys to set the required value then press (OK) key, AL-Duhr display starts flashing.

On AL-Duhr display appears:

$3:on$ If the alarm sound before Azan is enabled or $3:oF$ if the alarm sound before Azan is disabled (**ON/OFF** is flashing), use the increase/decrease keys to set the required value then press (OK) key, AL-Asr display starts flashing.
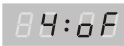
On AL-Asr display appears:

$4:on$ If the key tones are enabled or $4:oF$ if the key tones are disabled (**ON/OFF** is flashing), use the increase/decrease keys to set the required value then press (OK) key, AL-Fajr display starts flashing.

As you have finished; press (EXIT) to save changes, the program number starts flashing (**Prog07** on the month digits), press (EXIT) once again to exit from the programming mode.

For instance: the nearby figure illustrates that Azan is enabled but Iqama Takbirat, alarm before Azan, and key tones are disabled.

• هجري ميلادي	$Prog..07..88$
• صباحاً مساءً	$88:88:88$
الـفـجـر	$1:on$
الـشـروق	$2:oF$
الـظـهـر	$3:oF$
الـعـصـر	$4:oF$
الـمـغـرب	$88:88$
العشـاء	$88:88$

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Note:

You can activate/deactivate the key tones directly by pressing (**F2**) from the remote control or (▬) key from the local keypad without entering to the programming mode.

13.the city number and the time difference selection $Pro9..08$:

AL-Muzakkira has been configured to contain the prayer times for up to **28 cities**, the city number symbol is (**A**), **table4** lists the main cities and their numbers.

AL-Muzakkira can also calculate the prayer times for regions and villages that have constant time difference from the cities already stored in AL-Muzakkira.

The time difference can be positive or negative and its symbol is (**b**), note that **b** value is zero in **table4**.

You can change the city number (A) and the time difference (b) by entering to **Prog08** in the programming mode.

Notes:

When you set the city number (A), the time difference (b) is set to zero automatically.

You can't use the number keys (**0** .... **9**) on the remote control to adjust the time difference (b), you can only use the increase/decrease keys.