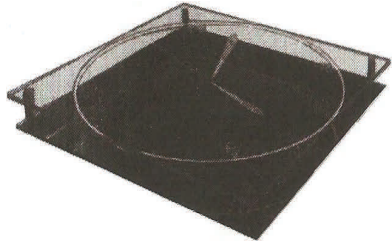


# Virtual Clock® — User Guide

Congratulations! You are the owner of a Floating Message Display Virtual Clock, featuring advanced 'Persistence of Vision' technology. Please review these instructions before using the Virtual Clock and save this information for future reference.



technology. Please review these instructions before using the Virtual Clock and save this information for future reference.

## Limited Warranty :

In order to prevent personal injury, damage to the Virtual Clock or other harmful effects, please read these instructions carefully and in their entirety prior to operating the device. Do not touch the rotating LED display arm. Never lift or move the clock using the rotating arm

**Important Concerns :**

- 1) The virtual clock is not a toy. Keep it out of the reach of children.
- 2) Operation of the clock in a manner inconsistent with the instructions in this manual may result in harmful effects, including personal injury and damage to the clock .
- 3) The parts inside the virtual clock are not use serviceable. Attempting to open and/or make alterations to the clock voids the limited warranty
- 4) The virtual clock will produce slight vibrations to the while in operation. Place the clock on a stable, non-skid surface to reduce vibrations. Do not place the Virtual Clock near the edges of tables, bookshelves or similar surfaces, as the Virtual Clock may fall off.
- 5) Take care not place the virtual clock on the same surface objects sensitive to vibrations. Smaller objects may slide due to the vibrations, causing them to fall off the surface and become damaged. Objects such as compact disk players and computer drives tend to be sensitive to vibrations and may malfunction when in close proximity to the Virtual Clock .
- 6) Some people may experience dizziness, headaches and Other medical problems or conditions when viewing flickering lights (such as animated display devices and television screens). Although this is rare, such individuals should use caution when viewing the Virtual Clock Display
- 7) To prevent injury due to the rotating arm keep your face away from the clock uses advance computer-controlled timing technology .The arm may take up to 5 sec, to achieve full rotating speed & synchronization at startup.
- 8) Walking on the carpets ( especially in dry weather ) can cause you to become charged with static electrically charged ,as components

**Special Note:** Please keep the Virtual Clock in a place where it will not be bothered by animals . The motion of the clock may attract curious household pets such as dogs ,cats, birds .pets may knock the clock over or damage the rotating arm

**Features:** The time displayed on the Virtual Clock appears to float in mid-air. The display is continuously visible, without human intervention. The Virtual Clock has many features: The speed of the rotating arm can be increased to reduce flickering. The clock can be set to automatically turn on and off at specific times. Any one of 12 display modes can be selected, and the clock can automatically sequence through all display modes. A text message can be entered which can be optionally displayed along with the analog and/or digital clock time.

## Position & mount the clock :

1. The Virtual Clock can be mounted on a wall by hanging it from the top center hole on the rear of the clock assembly.
2. The Virtual Clock can be positioned on a flat surface by using a table stand (optional). The stand can be attached to the rear of the clock assembly with two screws.
3. Placing the Virtual Clock in a darkened area will enhance the contrast of its display. Placing the clock in front of windows, televisions, computer monitors or under fluorescent lighting will decrease the visibility of its display. Placing the clock in a darkened area will reduce flickering, allowing the rotating arm to be run at a slower speed.
4. When you find the ideal location for your Virtual Clock, insert the AC power adapter into an AC wall outlet or surge protector (You can also use extension if the power cord is too short). The low voltage wire
5. The clear acrylic cover can be removed if desired

## Set up the clock-use the remote control:

There are no switches or controls on the clock itself. The infrared remote control is used to set all of the functions of the Virtual Clock. It must be pointed directly at the clock face from within about ten feet. It may be necessary to hold a remote control button for a second or two.

**Top on/off button (1) :** This button is used to turn on the clock & off .When you plug the Ac Adapter into a wall outlet ,please allow 5 to 10 Sec, for initialization of the Virtual Clock before using this button (you will see the red LED's flashing in a starting sequence this is normal).

**Left Display Mode select button(2) :** This button is used to sequentially switch through every one of the 12 different analog and digital display modes in the clock. This button is also used to exit from the setup mode, and to confirm setting the clock and automatic on and off times in the setup mode (see below).

Right Setup Mode button (3)

This button allows you to enter the clock setup mode. The following functions can be performed in this mode:

- a) Set the speed of the rotating arm (to reduce flicker effect)
- b) Select automatic turn on and off mode

- c) Set the automatic turn on and off times (if b is selected)
- d) Set the clock time
- e) Select random display mode – continuously sequences through all of the display modes at 10 minute intervals
- f) Select the display style (dot or line)
- g) Enter a text message
- h) Select the setup mode language

**Bottom Option Select and Text Display button (4):** This button is used to select the appropriate option when in the setup mode. For example, it will change the rotary speed of the clock arm between slow, medium and high when in the Rotary Speed mode. This button will also enable and disable the display of the programmable text in each of the analog and digital display modes (see below).

You can use the left Mode button (2) at any time while in setup mode to return to the display mode of the Virtual Clock. If you press the Setup button again after the last (set text) mode, the clock will return automatically to the display mode

## Set up the clock— functions :

set up the speed of the rotating arm

1. Press the right setup Mode button (3) to enter the setup **rotary speed** Will be displayed.

2. Press the bottom Option Select button (4) to change the rotary speed of the arm from "LOW" to "MED" to "HI"

## Select automatic turn on and turn off

1. Press the right Setup Mode button (3) to enter the setup mode.

2. Press the right setup mode button(3) again to sequence to the Automatic turn on time set mode "Auto On Set " will be displayed .

3. Press the top On/Off button (1) to change the hours & the bottom Option select button (4) to change the minutes.

4. Repeat steps 2 and 3 to set the automatic turn off time – "AUTO OFF SET" will be displayed.

5. To set the time that has been entered ,press the left Display mode button (2). If another Setup Mode is selected (with right button 3) the time that has been entered will not be saved. Note: these modes are selectable only when AUTO ON mode is selected as YES.)

Set the clock time: 1. Press the right Setup mode button (3) to enter the setup mode.

2. Press the right Setup Mode button (3) again to sequence to the time set mode- "TIME SET" will be displayed.

3. Press the top On/Off button (1) to change the hours and the bottom Option Select button (4) to change the minutes.

4. To set the time that has been entered, press the left Display Mode button (2). If another Setup Mode is selected (with right button 3) the time that has been entered will not be saved.

Note: the clock will start with the entered time immediately after step 4 is performed

Select random display mode :

1. Press the right Setup mode button (3) to enter the setup mode.

2. Press the right Setup Mode button (3) again to sequence to the random display mode- "RANDOM MODE" will be displayed.

3. Press the bottom Option Select button (4) to select "YES" or "NO".

Select the display style

1. Press the right Setup mode button (3) to enter the setup mode.
2. Press the right Setup Mode button (3) again to sequence to the display style mode- "DISPLAY STYLE" will be displayed.
3. Press the bottom Option Select button (4) to select either "DOT style" or "Line style".



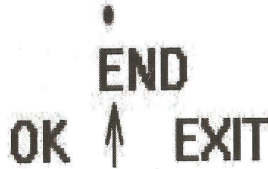
#### Select the setup language

1. Press the right Setup mode button (3) to enter the setup mode.
2. Press the right Setup Mode button (3) again to sequence to the language select mode – "LANGUAGE" will be displayed.
3. Press the bottom Option Select button (4) to select either "ENGLISH" or "FRANCAIS".

#### Enter a text message

1. Press the right Setup mode button (3) to enter the setup mode.
2. Press the right Setup Mode button (3) again to sequence to the enter text mode- "ENTER TEXT" will be displayed. The display will appear as follows:

"Ok" that's appears on the left side of the display corresponds to the left button (2) on the remote control and "EXIT" that appears on the right side corresponds to the right button (3). Press the left button (2) OK to accept entered or changed text and exit from the Enter Text mode without making any changes



Press the bottom button (4) to enter text- "END" that appears in the display will change to "NEW". This function can only be selected when the OK and EXIT message is being displayed. If the left button (2) OK is pressed twice when the Enter Text mode is set to NEW, all message characters that are already programmed in the clock will be erased. Text is entered into a message by selecting the position of the character in the message, and browsing through and selecting a character from a library of text characters. Characters can be browsed and selected from the beginning or end of an internal list. Press the top button (1) to start browsing from the beginning of the character list (blank, A, B, C...) Press the bottom button (4) to start browsing from the end of the character list (@, ?, >...). Alphabetic characters appear at the beginning of the list – numeric and special characters appear at the end of the list. All characters are selectable, regardless of whether starting at the beginning or end of the list. Character position is selected by using the left (2) and right (3) buttons.

The small green dot on the display is the location where a new In any one of the 6 different analog clock display modes there are 3 selected character is to be inserted

In the example above the dot is over the last entered character A. This character can be changed with the top button (1) or bottom button (4).



When entering message characters it is important not to confuse the characters being entered with the characters included in the text mode words "END" and "NEW".



In the example above the dot is aligned with the letter E of the special word END, which indicates the end of the text message. OK and EXIT are displayed when the special word END is selected. If the left button (2) OK is pressed the entered text will be MESSAG, not MESSAGE, since the letter E is not part of the entered text, but rather a part of the control word END.

When inserting characters at the end of a message, the last character of the message will be automatically selected as the first character to be used for the next inserted character.

To truncate a message that has been entered, select the desired end position anywhere anywhere in the message with the left button (2) or right button (3) and then press the top button (1) or bottom button (4) until the special character END is reached. Then press the left button (2) OK & the message will be truncated at the specific location. The remainder of the message is erased & no longer visible

Only 1 message of up to 240 characters can be stored in the clock. Enter a first message - example

1. Press the right Setup Mode button until "ENTER TEXT" appears. ("END" appears as the last "character", along with "OK" & "EXIT".)
2. Press the bottom button to enter NEW text mode
3. Press either the top or bottom button to select a character to enter into the current position.
4. Press the right button to move to the next character position. (The "END" character will appear, along with "OK" and "EXIT".)
5. Repeat steps 3 and 4 to continue entering characters.
6. Press the left button (OK) to accept the message.

Please refer to the additional document entitled *Entering Text* for an example of how to enter scrolling text into the Virtual Clock.

#### Display text

Entered text can be optionally displayed in any one of the 12 different clock display modes by pressing the bottom button (4)

In any one of the 6 different analog clock display modes there are 3 different display sub types from which to select- standard analog clock display, analog clock display with digital clock on the top, and analog clock display with digital clock on the top and the text message

On the bottom. In any one of the 6 different digital pendulum display modes there are 2 different display sub types from which to select - standard pendulum display mode and pendulum display mode with the text message on bottom.

Please refer to the additional document entitled *Display Modes* for more detailed information on the Virtual Clock display modes

#### Reset the clock

The clock can be completely reset by the following sequence:

1. Disconnect the power supply from the wall outlet for at least 10 seconds.
2. Plug the power supply back into the wall outlets.
3. Press the right Setup Mode button 3 immediately followed by the left Display Mode button 2 while the red LED's illuminate during the start-up sequence.
4. The clock will start a displayed red cross indicates that the clock has been reset successfully.
5. Press any button on the remote to stop the clock and exit from the reset mode.

#### Limited Warranty

Virtual clock ("Warrantor" and creator of this product) extends a Limited Warranty to the original purchaser of this clock. This warranty covers any defects caused by faulty materials or workmanship. Parts are covered for a period of 180 days from the date of purchase, and labor is covered for a period of 90 days from the date of purchase. To obtain warranty repairs please contact the warrantor at the address below. Depending upon the service required, you might be asked to mail the defective product in the original packaging with a suitable outer carton to protect from damage during shipping,

Postage paid & with proof of purchase showing the date purchased, to the address below. Please provide a complete description of the problem, and a phone number where you can be reached. For repair outside of 90 day period, a prepaid minimum labor charges & shipping charges required. Warrantor will, at its option, repair or replace this product and send it back, usually within 2 to 3 weeks. This warranty is extended to world-wide customers. Additional fees may apply for goods being sent out of North America. Warrantor is not responsible for customs clearance fees, duties, taxes, etc. This warranty is non-transferable. This warranty does not apply to any product damaged by accident, misuse, abuse, improper line voltage, acts of God, or operation that is not in compliance with the instructions in this user guide. Warrantor will not be liable for any loss or damage, direct, consequential, or incidental, arising from the use or inability to use this product in any way. The maximum damage Warrantor can be held responsible for is limited to the product or its fair market value, as stated in this warranty. Warrantor reserves the right to, in lieu of product repair or replacement, issue a refund for the purchase price (excluding any taxes and shipping charges) or the fair market value of the item as determined by warrantor.

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