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To Contact Anelace, Inc:

On the Web: www.anelace.com
 Mail/Warranty Return: Please contact us at support@anelace.com to obtain a return address.

Fig. 4



Powers of 2[®] BCD Clock - by Anelace

This package contains a clock and a power unit.

Reading the clock

This clock is based on the binary number system, the language of computers. Six digits are required to indicate time. For example, at 10:48 and 36 seconds, we write 10:48:36.

This clock uses 6 columns: each column represents a number value from 0 to 9. The two columns on the left indicate hours, the middle two are minutes, and the right two are seconds.

The value of each column is determined by which lights are ON:

The bottom light, if ON, is worth "1". The one above it is worth "2," the third one from the bottom is worth "4," and the top one is worth "8."

Add the values of the ON light positions to get the final value.

• Fig. 1 - In this example, the bottom three lights are ON.

Add their respective values of "1", "2", and "4" to get a total value of "7".



- Fig. 2 illustrates all 10 possible values.
- Fig. 3 demonstrates what the clock will look like at 10:48:36.

Setting up your new "Powers of 2[®]" clock

• Fig. 4: [A] Plug the connector at the end of the power unit cord into the socket in the hole in the bottom of the clock. [B] Turn the cord to slip it into the channel, and then [C] rotate the cord to secure it in place.

- Now, plug the power unit into an electrical outlet that matches the adapter that came with your unit (read the label on the adapter). Anelace sells two versions: a 120V / 60 Hz outlet model for the normal U.S. power line, and a 220-240V / 50 Hz [EU power line] version for most other places in the world. A row of lights will scan up and down on the face of the clock to indicate that the clock has been powered on, but that the time has not yet been set. This scan will exercise all 20 lights.

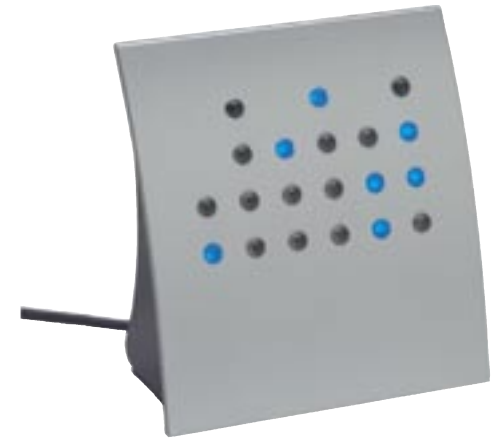
⇒ **WARNING:** Be sure that the line voltage is correct for your adapter.

- Setting the time
 - Hours: To set hours, push and release the button marked "H" on the rear of the clock to advance the hours by one unit. Holding the 'H' button down will automatically cycle the hours forward.
 - Minutes: To set minutes, use the above procedure, except push the button marked "M".
 - Seconds: To reset the seconds' counter to zero, push the "H" and the "M" buttons at the same time. Release them both to allow the seconds to advance.
- Special options
 - DIM: There are 3 brightness settings for the LEDs. To cycle through the settings, press the "DIM" button found near where the power cord is plugged into the clock (see FIG. 4).
 - 24 hour clock: The clock offers 12 hour (default) and 24 hour - e.g. 11PM = '23:00:00' - display modes. To alternate between the two modes: press and hold the DIM button; while holding it in, press and release the 'H' button.
 - Binary Mode: The clock offers both BCD (default) and "true" binary display. In "true" binary mode, the bottom row of lights represents seconds, the second row up from the bottom represents minutes and the next row up represents hours (the top row is not used). See FIG. 5. To alternate between the two modes: press and hold the DIM button; while holding it in, press and release the 'M' button.

Fig. 5 - "True" Binary Mode

	○	○	○	○	○	
Hours	○	●	○	●	○	10
Minutes	●	●	○	○	○	48
Seconds	●	○	○	●	○	36
	32	16	8	4	2	1

Crystal Blue Powers of 2[®] BCD Clock



Anelace Inc.

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Model CB

Product P/N: 950-0006 and EU 950-0006

CE

- The CE Certificate applies to the EU version only
- EU Adaptor: Hon-Kwang # HKA-A0920-230 9V~ 200 mA 1.8 VA.
- The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed so that they can spill on the apparatus.
- Do not cover the apparatus with materials that will impede its cooling.

FCC Notice

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio and Television Interference

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

