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Large WordClock Mounting Instructions

Thanks for purchasing a WordClock from DougsWordClock.com. This pamphlet details the steps required to mount the clock on a wall so that the power cable does not drape from the bottom of the clock to the floor.

Note: These steps are designed for an electrician or other suitably qualified person is able to mount the clock. Please refer to your local building codes as to any wiring rules that may be relevant. Ensure that no Gas, Water, or Electrical services are disturbed by drilling. DougsWordClocks.com does not recommend that unqualified people route cabling through walls.

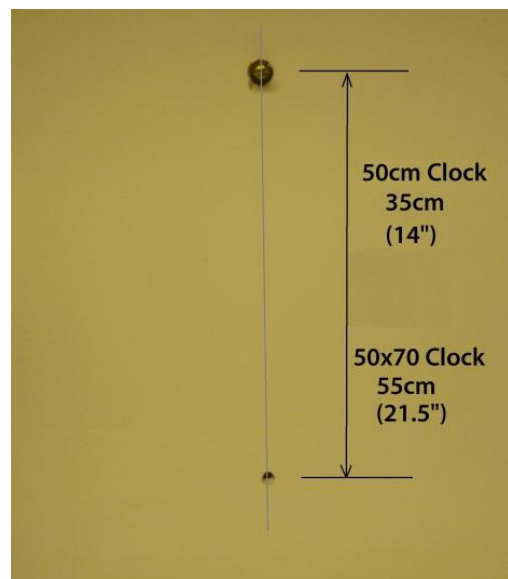
When installed correctly, the clock will appear to float in space. This is particularly effective on large, expansive walls. Power is provided from the wall wart adapter mounted on the other side of the wall.

Note: The wall mounting works best on Plasterboard or Gyprock walls. It can also be used on brick walls, but extreme care is require to ensure that the penetrating hole for the power cable is placed at a concrete join between bricks.

Start by locating the clock on the desired wall. Ensure that the area around the clock is void to ensure that it able to be the focal point of the space.


1. Drill a hole suitable for your selected wall mount technology into the wall cavity. (DougsWordClocks.com recommends metal expanding gyprock fasteners). The hole should be located in the centre line of the clock, approximately 3" (7.5cm) from the desired location of the top of the clock face.

2. Drill a ½" (12mm) hole for the power cable approximately 14" (35cm) [50cm clock] below the wall mount. (BECAUSE EACH WORDCLOCK IS HAND MADE, THERE CAN BE A SMALL AMOUNT OF VARIANCE. PLEASE MEASURE YOUR INDIVIDUAL CLOCK FOR THE 14" MEASUREMENT FOR ACCURACY)



3. Locate a standard mains power outlet (GPO) either at the bottom of the wall, or in the roof cavity, near the clock for the supplied power adapter.

The steps below differ based on whether you have located the mains adapter in the roof or on the wall below the clock.

Bottom of the wall	Ceiling Cavity
<p>4. Drill a 6mm (1/4") hole beside the power outlet socket for the low voltage power cable to be routed through. USE CAUTION WHEN DRILLING NEAR LIVE CABLES – ENSURE THAT THE PROJECTED PATH TO BE FOLLOWED BY THE LOW VOLTAGE CABLE IS CLEAR FROM MAINS CABLES LOCATED WITHIN THE WALL.</p>	<p>4. Drill a 25mm (1") hole through the wall top plate in the ceiling space for the low voltage cable to be routed through. USE CAUTION WHEN WORKING IN THE CEILING CAVITY. DRILLING NEAR LIVE CABLES IS DANGEROUS AND SHOULD ONLY BE ATTEMPTED BY SUITABLY QUALIFIED PEOPLE. ENSURE THAT THE PROJECTED PATH TO BE FOLLOWED BY THE LOW VOLTAGE CABLE IS CLEAR FROM MAINS CABLES LOCATED WITHIN THE WALL.</p>
<p>5. Cut the plug (and the optional ferrite) from the end of long power supply cable maintaining a healthy 4" (10cm) of cable to allow it to be re-joined. Route the low voltage cable through the wall entering at the hole beside the mains socket and exiting at the hole provided at bottom of the clock made in step 2.</p>	<p>5. Route the low voltage cable through the wall entering at the hole made in the wall top plate and exiting at the hole provided at bottom of the clock made in step 2.</p>
<p>5a. Strip and tin the cut ends of both cables. Join using standard soldering techniques. ENSURE THAT THE JOINED CABLE IS INSULATED AND UNABLE TO SHORT.</p>	

6. Plug the adapter into the mains socket and energise. Ensure that the polarity of the re-joined cable is centre +12V, Outer - 12V using a multimeter.

7. Mount the clock and plug the power cable into the base.

8. Set the time as per the instructions in the WordClock Instruction Manual.



Rear view of a 50cm WordClock showing low voltage power socket and time setting buttons.