

New Simplified LUMIFONT Instructions January 2019

- 1) **Position the Lumifont** on a sturdy flat surface with the cable holes away from the viewing angle. Coil or uncoil the wire(s) to the electronic box and place the box somewhere discreetly out of the way. Place the waterproofing pot (inverted obviously) over the electronic box to help keep it dry. The electronics box is low voltage (22 Volts) so is safe outside.
- 2) **Place the transformer** somewhere dry indoors or in a garage or shed or in a waterproof enclosure and plug in. (This is at 240 Volts so should not be outside where it can get wet.) Don't switch on yet. Run the cable from the transformer (inside) to the electronic box (outside), e.g. through a hole in the wall. To facilitate this, you might want to temporarily disconnect the cable from the electronic box (see the next box, or skip if not needed):

This box only if temporarily disconnecting the power cable (only 24 Volt) (item 2 above).

Remove the electronic box lid by undoing the 4 screws. Note/memorise where the two wires, brown and blue, go inside the box. Release the wires, one at a time, by pushing on the white plastic tabs with the end of a small screwdriver; the wires just pull out. Loosen the cable grip and remove the wire.

Now go and thread the wire through your hole in the wall.

Reassemble: Push the cable back into the electronic box. Twist each of the brown and blue wire copper ends into a sharp point. Push back the white plastic tab and you will see the clamping hole open up. Feed each copper tip into its hole and release the tab. The wire should be well gripped (check!) with not much copper showing. Retighten the cable grip and put the lid back on securely. NB The boxes with the transparent lids have a right way and a wrong way to go back on!! ... Look at the little corner tabs on the mating surfaces.

- 3) **Lead flower.** Push the inner plumbing and water pipe gently downwards. The top of the pipe should be about 2 cm below the top of the pot. Place the lead flower over its tube, push down gently and roughly centre it.
- 4) **Pebble up!!** (as we say in the trade). Pour all the pebbles onto the ground so you can see them. Use the largest ones first, around the perimeter and around the lead flower. Position them carefully a bit like a jigsaw, but don't get too anal about it. Use the small ones to fill the gaps. Use all of the bag supplied. **Fill with water** until you see it flowing out of the hole below the one where the cables come out. This needs at least two buckets full.
- 5) **Switch on the electricity**, having made sure the transformer output cable is connected. You should see the fountain bubbling and the changing colours if it is dark enough. If the fountain is going slightly sideways you can put a large screwdriver or stick down the central hole and jiggle a bit until it is straight.
- 6) **Protection against frost with salt antifreeze:**

Prolonged temperatures below zero °C will turn the water to a block of ice, which will expand and badly crack the pot. In the past I used to recommend draining and storing the Lumifont away over winter, which was a shame as that is when evenings are dark and the Lumifont can be appreciated. Fortunately I have realised there is a simple remedy:

Acquire either 2 kg of NaCl, sodium chloride (economy table salt from your local supermarket) or 2 kg of CaCl, calcium chloride, and add all of it to the water in the reservoir. After about 5 minutes of running it will all dissolve and the cloudy water will run clear again.

NaCl is cheaper (about £1.50 for 2 kg) and 2 kg will protect to around -5 °C.

CaCl is dearer (about £6 for 2kg) and 2 kg will protect to around -8 °C.

CaCl is sold by Wilkos stores as 'KilRock DampClear Refill Sachets' for dehumidifiers.

Note that as an added precaution against frost, the pump will automatically switch itself off if the temperature falls below -4 °C.

Guarantee: This item was provided free. It will work properly until it breaks.

Signed **Steve Hopkins**