Rothermead innovations

44-key Infrared Remote Controlled LED TV Backlight

Installation Instructions

To install the backlight strips:
- Check that the contents of the box are complete:
    - 1 x USB LED Controller
    - 2 x 60cm LED strips
    - 2 x 40cm LED strips
    - 3 x connecting cables
    - 1 x remote control (including 2025 cell battery)
    - 1 x USB power connector
- Check that all connecting pins are straight and aligned. If not, carefully ease them back to alignment
- Ensure that the surfaces you intend to stick the light strips to are clean and free from dust and grease. If necessary clean with a damp cloth and/or lint-free dusting cloth. * Do not use water or spray cleansers as this may damage the television *
- Identify the longer and shorter LED strips, the longer are to be used top and bottom, and the shorter are to be used on the sides.

- Identify a suitable surface to mount the LED strips, if there is a bulge on the read of the television, the edge of this would be ideal (it doesn't need to be mounted on the outside edge)
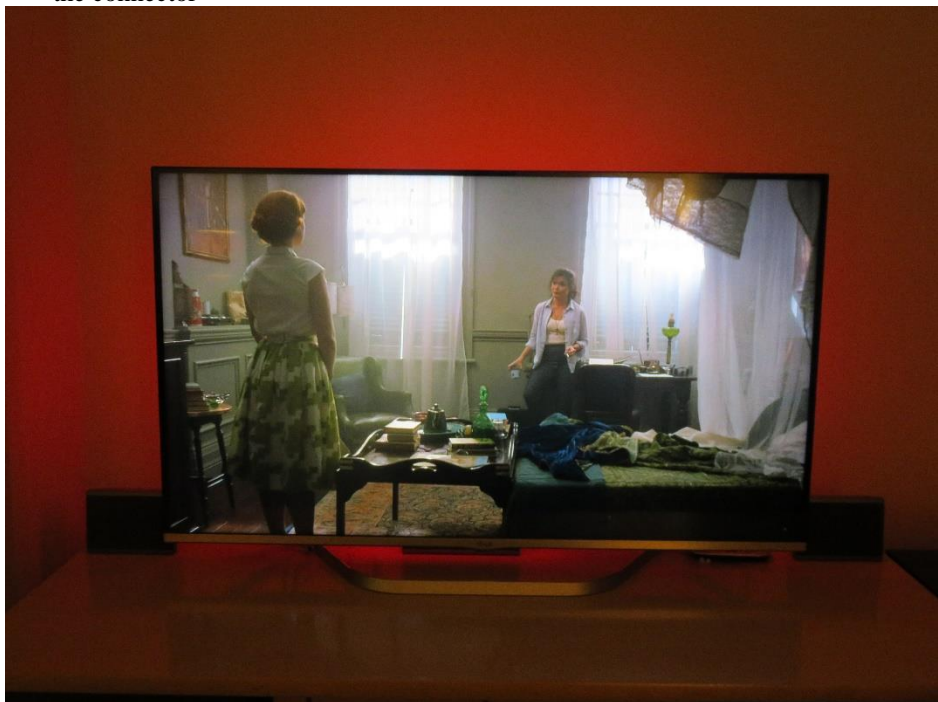
- Offer up the long strips along centrally along the top and bottom and the short strips on the sides to identify whether they need to be trimmed to fit
- Identify whether the connecting wires will be long enough to join the LED strips
- On larger televisions you may want to connect the two shorter LED strips using one of the connectors (remove a white connector block from one of the connecting leads) and mount this along the top and the two longer strips on the sides, as the connecting wires may not be long enough for all four strips around the edge
- Install the parts in this sequence:

- o USB power lead and LED strip controller - position near USB ports and plug in a free port
- o Two LED strips (probably side and bottom) adjacent to the LED controller – position centrally on the surface and peel off the backing tape from the strips and affix

- o Connect these two LED strips to the two connecting leads from the LED controller
- o Remove the battery protector from the remote control and operate the lights
- o Check the colours are as expected, if they are not reconnect the strips by reversing the connector

- o Repeat for the remaining two LED strips using the connecting leads to complete the connections

Troubleshooting

- Strips do not work or strips show different colours
  The connecting wires are connected the wrong way around, disconnect the connecting cables, switch on the lights and connect the strips one at a time to ensure the connector is the right way round
- The LED strips are too long
  Either trim them using scissors along the copper sections indicated for cutting, or reposition them where they are not too long
- The connecting leads are too short
  Reposition the LED strips, consider connecting the two short LEDs together with a connector and mounting the strips on top and sides
- The LED strips do not stay on the back of the television
  Ensure that the backing paper has been peeled off the double-sided sticky tape of the LED strips
  Ensure that the double-sided sticky tape is still attached to the LED strip and not been peeled off. If so you can use an alternative good quality double-sided sticky tape affixed to the LED strips
  Ensure that the area the LED strips are fixed to is free of grease and dust. If in doubt clean the area and let it dry thoroughly before fixing LED strips