Strand Lighting

Instruction Sheet

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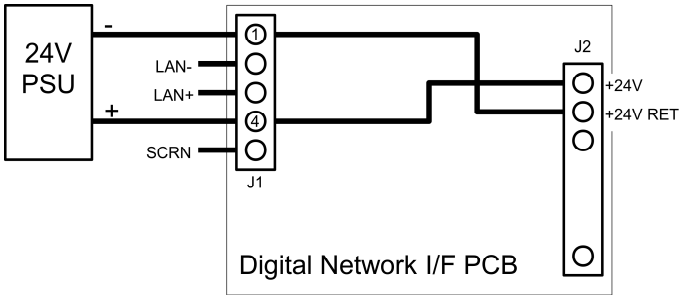
Outlook Digital Network Interface (Part No. 63040)

The Outlook™ Digital Network Interface is a single printed circuit board which enables Outlook control stations to be used with dimmers which do not directly support Outlook. Its function is to allow the control of up to six dimmers, or other devices, which require a control input of 0 to +10V DC. For full specification details, please consult the Outlook Digital Network Interface data sheet.

① Install the PCB inside the dimmer rack, or in an alternative enclosure. The PCB has a mounting hole at each corner, suitable for screw sizes up to 6-32 Unified, or M4 metric. The mounting holes are positioned at pitches of 3.5 inches and 6.5 inches. Care should be taken that mounting hardware does not come into contact with adjacent components or PCB tracks.

② Connect the Interface to its power supply. The Interface requires one (or two) power supply of 24V DC. The PCB incorporates provision for total isolation between the Outlook LAN and the analogue outputs - in this case, two 24V power supplies are required (one of these may be that which powers the main Outlook installation).

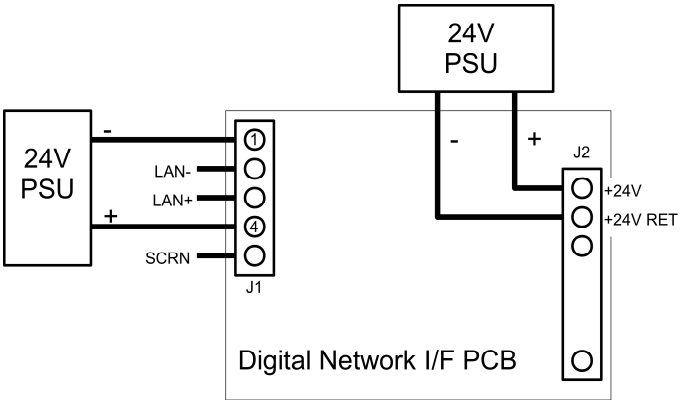
If isolation is not needed, the PCB may be powered from the overall Outlook power supply. Connections should be as shown in the adjacent diagram, with links between the V+ pin of J1 and the +24V pin of J2, and the V- pin of J1 and the +24V RET pin of J2.



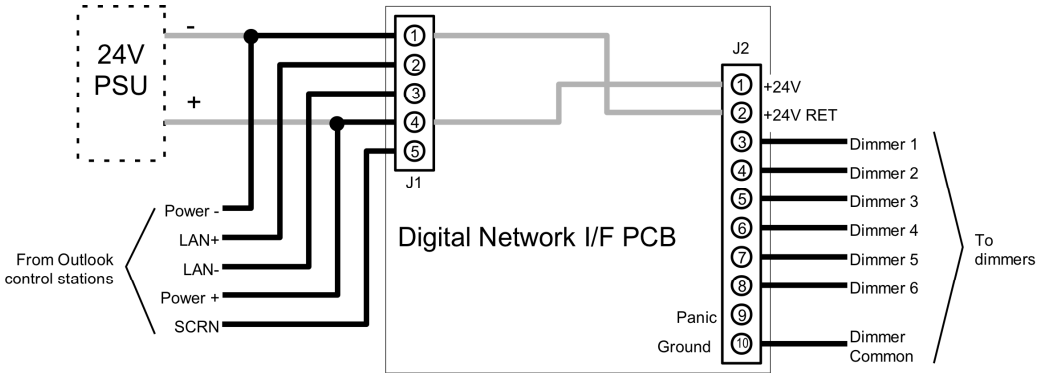
If separate power supplies are to be used, the main Outlook supply should be connected to J1 as shown adjacent, and the second supply to the +24V and +24V RET terminals of J2. Links between J1 and J2 must then be omitted.

Where two power supplies are used, the mains supplies to both should be switched together to avoid operational problems.

Neither power supply should have any of its output terminals connected to Ground.



③ Connect the Outlook LAN to J1. Connections are shown below.



④ Connect up to six analogue input dimmers, or other similar devices to J2, as shown above.

Connect Dimmer or device Common to the GND connection on J2.

Note that there is no direct connection between GND and the +24V RET power supply connection.

⑤ If required, connect a switch (or set of parallel switches) between the PANIC connection and GND connection of J2. When the switch is turned on, all outputs will then be set to maximum level irrespective of their previous levels. (The same effect may be obtained by fitting a link in the JP1 position).

⑥ Set the three rotary switches on the PCB as required, according to the table below.

Position	SW1	SW2	SW3
0	n/a	n/a	n/a
1	room 1	first channel 1	split room operation
2	room 2	first channel 4	single room operation
3	room 3	first channel 7	n/a
4	room 4	first channel 10	n/a
5	room 5	n/a	n/a
6	room 6	n/a	n/a
7	room 7	n/a	n/a
8	room 8	n/a	n/a
9	room 9	n/a	n/a

SW1 selects the Room Number (in the range 1 - 9), to which the Interface will respond.
SW2 selects the channel number to which the dimmer 1 output from the Interface will respond.
When SW3 is set to position 2, the Interface controls dimmers for 1 room.
When SW3 is set to position 1, outputs 1 to 3 respond for the room selected by SW1, and outputs 4 to 6 respond for the next higher numbered room.

⑦ Using the Outlook control stations, program the required preset settings into the Interface. Consult the Outlook Programming Guide for details of programming methods.

(Factory default settings may be restored by powering up the PCB with a link in the JP1 position - this also forces all outputs to full level).

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