

## Installation and Operation Instructions - Infinity US6 Traffic Director

### IMPORTANT! Read before use

- It is highly recommended that the TD-Sync setup procedure is done via bench test process rather than once installed on a vehicle.
- It is recommended that the IP67 connector (which is supplied as standard with the lamp) is retained for the setup procedure.
- The order in which cables are attached/detached and the timing between each action is critical to properly setup functions.
- Before starting to setup TD-Sync, establish how many lamps are required and connect all coloured wire outputs to the corresponding lamps. A minimum of 3 lamps and maximum of 12 lamps can be used in this function.
- It is recommended that 'RT-7PF-1M' is used when setting up TD-Sync to make setup as easy as possible.

1	All units are depowered
2	Apply all <b>green wires</b> to <b>positive</b> (+ve) permanently. Wait 2 seconds
3	Apply all <b>orange wires</b> to <b>positive</b> (+ve) permanently. Wait 2 seconds
4	Apply all <b>blue wires</b> to <b>positive</b> (+ve) permanently. Wait 2 seconds
5	Apply all <b>yellow wires</b> to <b>negative</b> (-ve) permanently. Wait 2 seconds
6	Apply all <b>brown wires</b> to <b>positive</b> (+ve) for <b>6 seconds</b> until all lamps provide a short pulse flash
7	Remove all <b>brown wires</b>
8	Apply all <b>red wires</b> to <b>positive</b> (+ve) permanently. Wait 2 seconds
9	Remove all <b>orange wires</b>
10	Apply all <b>brown wires</b> to <b>positive</b> (+ve) for <b>6 seconds</b> until all lamps begin to flash
11	<b>Remove all connections, excluding negative (-ve)</b>
12	Apart from the 1 <sup>st</sup> lamp (far LEFT) remove all lamps from their power wire so they are completely detached
13	Apply <b>green wires</b> to <b>positive</b> (+ve) permanently. Wait 2 seconds
14	Apply <b>red wires</b> to <b>positive</b> (+ve) permanently. Wait 2 seconds
15	Start adding lamps (one at a time) in the order of their physical position within the traffic director. Wait 2 seconds before adding each lamp
16	The lamps will begin to flash in a low intensity director mode
17	Once all lamps have been added <b>remove all connections, excluding negative (-ve)</b>

### Test the TD-Sync Function

18	Apply <b>red wires</b> to <b>positive</b> (+ve) permanently
19	Apply <b>green wires</b> to <b>positive</b> (+ve) permanently
20	The TD-Sync feature should automatically trail cables from left to right

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### Factory Reset

1	Apply V1 - <b>red wires</b> to <b>positive</b> (+ve)
2	Apply Sync - <b>yellow wires</b> to <b>negative</b> (-ve)
3	Apply Colour select - <b>green wires</b> to <b>positive</b> (+ve)
4	Apply DIM - <b>blue wires</b> to <b>positive</b> (+ve)
5	Apply pattern - <b>brown wires</b> to <b>positive</b> (+ve) for at least 10 seconds and ignore any flashing during this period.

### Troubleshooting

- If the colour of the traffic director is different to the desired colour (TRI colour models only).
- If a lamp flashes differently to all others within the TD-Sync setup.
- Refer to Infinity US6 Directional Installation Guide M067 for additional product information.
- How to perform a hard reset

### Cable Connections

Cable Colour	Function
<b>Red wire</b>	Output 1
<b>Orange wire</b>	Output 2
<b>Red wire &amp; orange wire</b>	Output 3
<b>Green wire &amp; red wire</b>	Traffic Director left to right
<b>Green wire &amp; orange wire</b>	Traffic Director right to left
<b>Green wire &amp; red wire &amp; orange wire</b>	Traffic Director centre out

### 7 PIN Connector

- It is recommended that 'RT-7PF-1M' is used when setting up TD-Sync to make setup as easy as possible.

