

# POWERTRACK

## USER GUIDE

### INSTRUCTIONS + SAFETY GUIDANCE

All instructions should be read carefully, and the safety precautions detailed below should be followed at all times to reduce the risk of fire, electric shock, and personal injury. Novus48 will not accept any responsibility for injury, damage or loss which may occur due to incorrect installation, operation, or maintenance of Powertrack.

# PRIOR TO INSTALLATION

Prior to delivery of your Powertrack system we recommend using our Powertrack Builder tool online at [www.novus48.com](http://www.novus48.com)

For ease of transportation, storage, installation and manual handling of Powertrack, we recommend using the Power Pallet.

Prior to installation of your Powertrack system we suggest walking the proposed route ensuring site conditions are clear and free of hazards. Hazards may include material, poor ground conditions, standing water or other activities. The Powertrack system is IP65 rated but should not be exposed to water or liquid beyond its resistance capability.

Whilst Powertrack modules can tolerate point loads of 500kg, the lighting module diffuser is limited to a point load of 80kg and care must be taken to place this away from heavy footfall and under no circumstances should heavy loads such as pallets trucks be pulled across it.

Consideration should be given to your power modules, given their projection, they could pose a trip hazard. Careful placement along the perimeter or adjacent to columns with visual identifiers such as a barrier or cone will ensure they remain visible.

Once these checks are complete, a competent person can begin to layout the track. We recommend you start the installation of your first piece of track close to your power supply i.e. your 110volt transformer, keeping your Power Pallet close to this location to minimise manual handling.

Please note that Powertrack should not be plugged into your power source or made live until you have completed your testing. The process of this is detailed within our "Testing Guide" which can be found on our website [www.novus48.com](http://www.novus48.com)

We recommend carrying only one piece of Powertrack at a time, whilst wearing appropriate hand protection and using proper manual handling techniques.

# INSTALLATION

Powertrack is installed by sliding the male end of a module into a female end of a module. This can be achieved by laying the modules on the floor and providing forward pressure whilst keeping the modules flat to the floor. Once the modules are docked, the locking switches should be pushed up to lock the modules together.

Powertrack modules have fixing points to all ramps. These should be used to fix the modules into the floor substrate. Care should be taken to remove screws prior to modification or removal. We recommend every Powertrack module is mechanically fixed in place.

Please note, Powertrack modules should not be pushed in at an angle which will damage the connectors. The modules must remain flat to the ground during docking. This process is to be repeated until you complete your Powertrack run.

We recommend maximum length of Powertrack is no greater than 80 linear metres.

We recommend installing your Powertrack modules direct from your Power Pallet. This will provide a more efficient approach. Also ensure your Power Pallet brakes are locked when not being moved.

Once your run is completed, it should be checked by a competent person to ensure installation complies with this guidance and there is no damage to any modules and no hazards have been created.

At this point, the Powertrack run can be dead tested by the on-site electrical tester.

Once the testing is completed, the starter module can be plugged into the 110volt transformer. Please note the leads and plugs on the starter module should be inspected prior to use and if damaged should be immediately thrown away with an alternative starter module being used.

Once connected, live testing can commence. The process of this is detailed within our "Testing Guide" which can be found on our website [www.novus48.com](http://www.novus48.com)

After this point, Powertrack can be used by the on-site team for power and lighting. Please note that the lighting control switch on the starter module must be turned to the on position to energise both emergency and standard light fittings.

# VISUAL INSPECTIONS

While your Powertrack system is installed on site, we recommend carrying out a visual inspection of your Powertrack runs every three months with periodic testing also taking place at this time.

Visual Inspections should include:

Check for any cuts or abrasions to modules.

- Check the male and female connectors at either end of the Powertrack module, checking for any cracks or damage to pins.
- Check for any signs of overheating or burns to commando sockets on Power modules.
- Check the lighting diffuser on the lighting modules aren't chipped or cracked (diffusers can be ordered individually we also have an online video showing how diffusers can be changed over should any become damaged, please note that when changing a diffuser that the lighting module is off and disconnected from mains power).

# REMOVAL OR MODIFICATION

When removing or modifying your Powertrack modules, the system can remain live and operational. From the point of disconnecting modules, any other modules downstream will result in loss of power & lighting.

Our Powertrack "Build Your Project" feature can be used at any point in your installation and we suggest using this to update your Powertrack layout drawings if you require any modifications.

We recommend prior to commencing any removal or modification, that you walk the route to make sure your Powertrack run is hazard free and ensuring all personnel working within the facility are aware modules are being removed or adjusted.

Once the site area is safe, utilise your Power Pallet to store the modules as they are removed. The removal of modules is simple. Unlock the locking connector. Place hand at the far end of the module and gently wiggle and pull the module away from the connection.

Please note, to preserve the battery life of your Emergency Light modules, each module is supplied with a green 'off' switch. Simply remove this module and double click this switch to turn off the module's emergency mode and conserve battery life.

# FURTHER SAFETY INFORMATION

- Standard module IP Rating is IP65.
- Lighting module IP Rating is IP65.
- Point load of standard modules is 500KG.
- Point load of Lighting modules is 80KG.
- Profile fire resistance EN13501-1 Fire Resistance Class B2 (BS476 Test Part 6 and 7).
- Inspect the Starter Module Leads and plugs prior to any use, if any damage has occurred this module should be disposed of and an alternative used.
- Do not tamper with Lighting or Emergency Lighting wiring.
- Do not tamper with Emergency lighting module battery. If this fails, this can be sent back to Novus48 if the module is within its warranty.
- Do not tamper with internal lighting module driver or battery housing. Damage may cause short-circuit, fire or burns and will void any warranty.
- Do not use Lighting modules with damaged or broken diffusers, please note individual diffusers can be ordered.
- Modules should only be used in ambient temperatures of -10C to 40C.
- Ensure Emergency Lighting modules are turned off when disconnected to avoid batteries draining down or becoming damaged.
- Ensure modules are stored in a clean, dry area.
- Do not clean modules with solvents. Use a mild soap solution if necessary and thoroughly dry before use with a soft, clean, dry cloth.
- Ensure the “Testing Guide” which can be found on our website [www.novus48.com](http://www.novus48.com) is followed prior to using Powertrack.