Fresco™ Touchscreen Quick-Start Guide

Overview
Fresco is a touchscreen lighting controller. Powered by 24 VDC, Fresco controls nLight® devices, DMX/RDM devices and networks with other Fresco components including touchscreens, wallstations and lighting management panels. Follow these simple steps to install and power the Fresco touchscreen.

Mounting (Box Prep)
1. Install a grounded 3-gang backbox.
2. Align mounting ring (provided) with 3-gang backbox (not provided).
3. Level mounting ring.
4. Tighten the 2 captive screws on center mounting holes.
5. Optional: Use additional mounting screws if ring holes align with backbox holes (Note: if backbox is level holes will align. Only 2 screws are required for proper fastening).
6. Optional: If mounting ring is not flush to the surface of the wall, use 2 drywall screws (not provided) to secure the mounting ring to the finished wall and use mounting screws to pull the backbox forward.

Securing the Station
1. Hang Fresco from the top flanges of the mounting ring once all wiring is completed.
2. Lift slightly and push Fresco flush to wall.
3. Tighten 2 set screws on the bottom of the Fresco using 1/16” hex wrench (provided).
Connecting nLight® Devices

- Use provided 4-position harness.
- nLight devices must be daisy chained.
- Connect nLight devices to Fresco's 4-wire connector:
  - Red: +24 VDC
  - Black: Common
  - White: FCN Data+
  - Yellow: FCN Data -
- Follow nLight design rules to determine if additional power supplies are required.

Note: Fresco supports a maximum of 128 nLight devices.

Connecting DMX/RDM Devices

- Use provided 3-position harness.
- Color & signals:
  - Red: Black (not terminated)
  - Black: White with black stripe (DMX +)
  - White: Yellow w/ black stripe (DMX -)
- Connect DMX shield to ground at one point in the DMX network; preferably on the Fresco station or lighting management panel (LMP).
- DMX/RDM network connects Frescostations to lighting management panels (LMP).
- DMX network connects Fresco stations to Fresco luminaires and nLight devices.
- Follow DMX/RDM wiring standards, use RS-485 compatible cable or DMX/RDM PIGTAIL HARNESS.
- DMX/RDM must be terminated at the start & end of the daisy chain.

Connecting Additional Frescos

- Connect to Class 2 power to Fresco's 4-wire connector:
  - Red: +24 VDC
  - Black: Common
  - White: N
  - Yellow: H
- Follow nLight design rules to determine if additional power supplies are required.

Note: Fresco supports a maximum of 128 nLight devices.

**Connecting nLight/RDM Devices**

<table>
<thead>
<tr>
<th>Pin #</th>
<th>Purpose</th>
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<tbody>
<tr>
<td>1</td>
<td>Common</td>
</tr>
<tr>
<td>2</td>
<td>Data -</td>
</tr>
<tr>
<td>3</td>
<td>Data +</td>
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<tr>
<td>4</td>
<td>Power supply</td>
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**Power Supply**

- Red: +24 VDC
- Black: Common
- White: N
- Yellow: H

**Connecting DMX/RDM Devices**

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