



HomeWorks QS Installation Checklist

This checklist is intended to provide reminders before the installation process begins, as well as when it is complete.

Panel Link

- ☐ **Daisy chain the Module Interfaces (MIs) on each Panel Link**
The MIs must be wired in a daisy chain configuration on the link. The maximum wire run length is 1,000ft using 18/22 wire (twisted and shielded).
- ☐ **Terminate the MI link**
The MI link must be terminated at the last MI using an LT-1 link terminator (provided in the processor box) if the link runs farther than 50 feet. A 120-ohm resistor may be used across terminals 3 and 4 if an LT-1 isn't available.
- ☐ **Terminal 2 is unused for MIs**
Do not connect terminal 2 between external MIs and the Processor. All external MIs have their own integral power supply and do not need to be powered from the Processor.
- ☐ **Install 4R and 4M modules in the bottom locations of a remote power panel**
This is the optimum configuration for heat dissipation, but it is not necessary.
- ☐ **Remove bypass jumpers**
Remove the bypass jumpers from the RPM terminal blocks after verifying the system high-voltage wiring.
- ☐ **MI and RPM Addresses**
Make sure that the dial switches on the MI and each RPM matches the appropriate address: 1 through 8 for RPMs and 0 through F for MIs.
- ☐ **Manual Override Switch**
Wire manual override switch(s) to each MI.

QS Wired Link

☐ **Terminal 2 is unused for the GRAFIK Eye QS and Wallbox Power Module Units**

Do not connect terminal 2 between GRAFIK Eye QS and/or Wallbox Power Module units and the Processor. All GRAFIK Eye QS and Wallbox Power Module units have their own internal power supply, connected to line voltage in the backbox, and do not need to be powered from the Processor.

☐ **Connect the Keypads**

Wire the Keypad link using any of the following wiring topologies: daisy chain, star, or t-tap. Termination is not required on the keypad link. Ensure QS power supplies are wired according to the instructions and do not exceed the PDU rating of the power supply.

RF Link

☐ **First Hybrid Repeater on the Link**

The first Hybrid Repeater on the link must be hard-wired back to the physical link on the Processor. The wire run can be up to 1000ft using Lutron's 4 conductor cable and the Hybrid Repeater can be wired to pin 2 and draw its 3 PDUs from the din-rail power supply feeding the Processor.

☐ **30/60 Rule**

When using multiple Hybrid Repeaters on a single link, the first one must be physically wired to the Processor link and the others are typically then wirelessly connected for range extension. Hybrid Repeaters should be placed no more than 60ft apart. All wireless devices communicating on the link are then to be placed within 30ft of a Hybrid Repeater on that specific link.

H48 Link

☐ **Daisy chain the H48 Interfaces on each H48 Link**

The H48 link must be wired in a daisy chain configuration. The maximum wire run length is 1,000ft using 18/22 wire (twisted and shielded).

☐ **Terminate the H48 link**

The H48 link must be terminated at the processor and at the last H48 using an LT-1 link terminator (provided in the processor box) if the link runs farther than 50 feet. A 120-ohm resistor may be used across terminals 3 and 4 if an LT-1 isn't available.

☐ **Link Translator**

H48 Links that require termination also require an HQ-HWI-LX Link Translator.

☐ **Terminal 2 is unused for H48 Interfaces**

Do not connect terminal 2 between H48 Interfaces and the Processor. All H48s use the power supply provided in the HWI-LV17 and do not need to be powered from the Processor.

Processor

☐ **Connect Ethernet wiring to each processor**

Every HomeWorks QS processor must be wired to the same local area network. Ethernet is required for inter-processor communication and for 3rd party integration.

Legacy Devices

☐ **Terminal 2 is unused for Q96 Interfaces**

Do not connect terminal 2 between Q96 Interfaces and the Processor. All Q96s get powered from the QED shade power supply and do not need to be powered from the Processor.

☐ **Terminal 2 is unused for HWI Keypads**

HWI Wired keypads require 15V DC power (do not use 24V DC from link)