

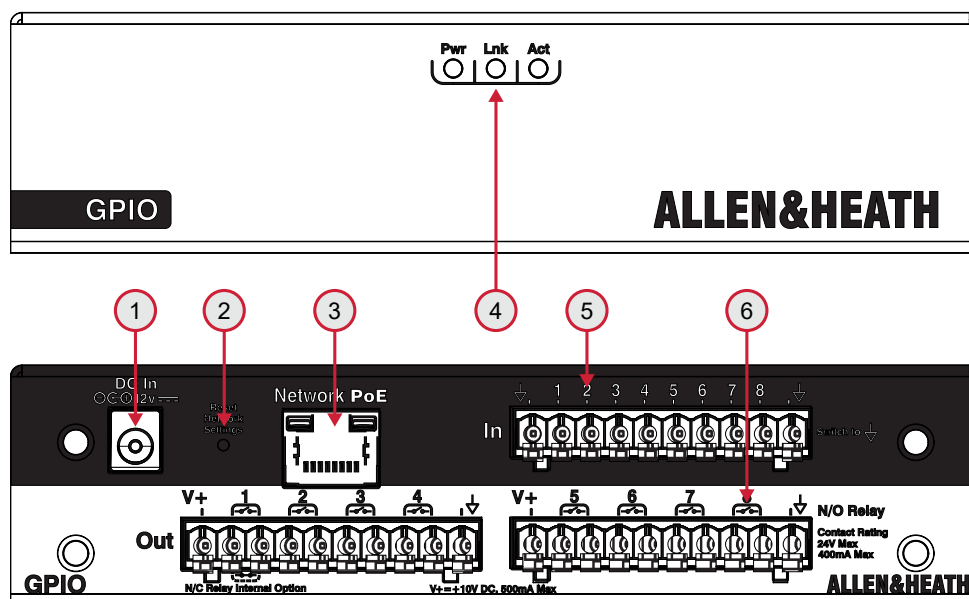
GPIO Getting Started Guide

GPIO is a general purpose I/O interface for control integration of an AHM, Avantis or dLive system and third party hardware. It offers 8 opto-coupled inputs and 8 relay outputs on Phoenix connectors, in addition to two +10V DC outputs.

Up to 8 GPIO modules can be connected to an AHM, Avantis or dLive system via Cat cable, directly or via a network switch. GPIO functions are programmed using the AHM System Manager software, dLive Surface / Director software or Avantis mixer / Director software and can be configured for a number of install and broadcast applications, including EVAC (alarm / system mute), broadcast (on air lights, fader start logic) and theatre automation (curtains, lights).

① GPIO requires dLive firmware V1.6 or higher.

Layout and connections

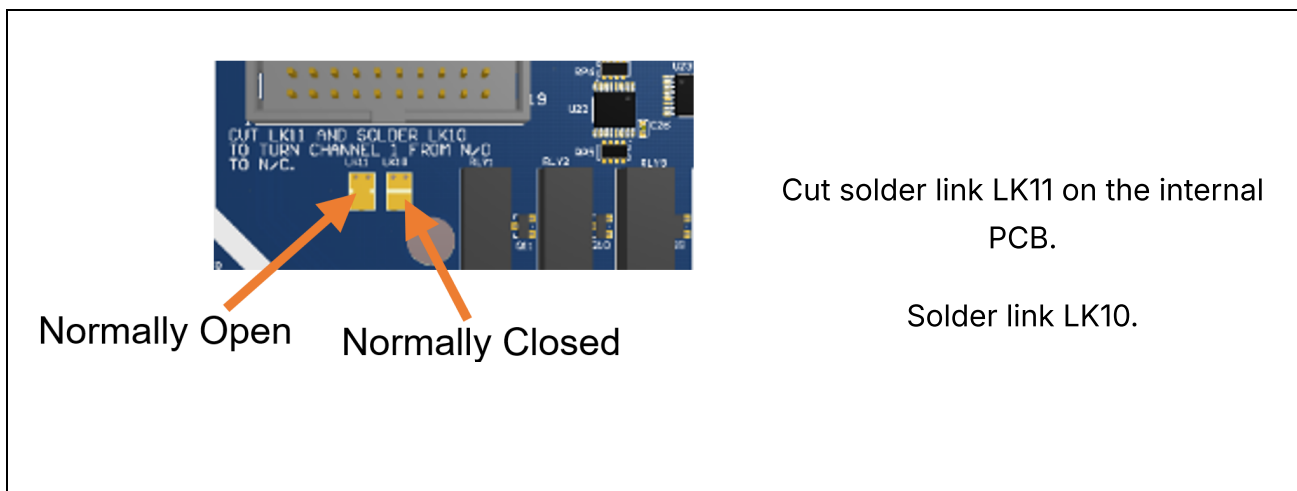


1. **DC input** - The unit can be powered by the supplied AC/DC adapter or alternatively via Cat5 cable when connected to a PoE source.

① Use only the power supply provided with the product (ENG Electric **6A-161WP12**,

A&H part code AM10314). The use of a different power supply can cause electrical or fire hazards.

2. **Network Reset** - Resets Network settings to the default IP address 192.168.1.75 with subnet 255.255.255.0. Hold down the recessed switch whilst powering up the unit to reset.
3. **Network socket** - PoE IEEE 802.3af-2003 compliant.
4. **Status LEDs** – Light to confirm Power, physical connection (Lnk) and network activity (Act).
5. **Inputs** – 8x opto-coupled inputs, switching to ground.
6. **Outputs** – 8x relay outputs and 2x 10V DC outputs. All relay outputs are normally open by default. Output 1 can be configured to be normally closed as indicated here:



Installation

GPIO can be used free standing or up to two units can be installed in a 1U rack space using our optional rack ear kit **FULLU-RK19** which can be ordered from your A&H dealer.

STP Cat5 or higher cables are required, with a maximum cable length of 100m per connection.

ⓘ The GPIO and its network connection are for indoor use only.