

### Flexible and Powerful

The R1 controller unlocks the full potential of the Axium touchscreens and provide system reliability with a Processor that analyses essential settings for a deeper user experience. Monitor voltage levels, Temperature commands. Command Match triggers are also supported for that extra level of automation.

### Full 2way control

Connect via a separate 12v PSU the R1D will facilitate full 2way communications between the Axium amplifiers and a host of 3rd party devices available in Axium Design Portal software (ADP).

### Fully Loaded

The R1D is fully loaded with 0-10v inputs, relays, RS232, Sensors inputs IR ports, Ethernet port.



The R1 provides a host of enviable control options to support system functionality. There are voltage level and frequency detection, IP/232 and IP command match detection which can do more than activate relays, these detections can run macros, emit IR/232/IP commands, change variables (for GUI touchscreen feedback) or any combination of actions that you have probably not even thought of – but we have.

## Technical Specifications

### Connections

- 1x Ethernet RJ45 port: 10/100Mbps, DHCP or Fixed IP
  - Maximum of 16 IP connections at any one time
  - Configurable IP code specific detection triggers
- 4 x 10 amp, voltage free Relays NO & NC
- 1 x Dedicated RS232 via header RX, TX, GND with code specific detection triggers
- 4 x IR emitter outputs on 3.5mm jacks with Axium S4 sensor inputs on 1 and 2
  - Ports 1 and 2 work concurrently as an IR output and sensor input
  - IR port(s) route IR signals from R1 controllers internal IR generator
  - 2 x separate Analogue inputs via a header (. Can be configured as level, frequency or threshold triggers
    - 1 x IR in port
    - 1 x USB port

### Control

- Real time internal clock, with setup & synchronization via internet including clock and time based scheduled tasks
- 2 x Analogue level threshold triggers: 0 - 10V
- All Inputs may also be configured as frequency threshold triggers
- IR Learning via IR in
- DIN mount compatible
- Wall mounting compatible
- Powered by 12VDC 1A power supply (*sold separately*)
- USB port for programming and Firmware Updates

*Specifications and features subject to change without notice. Please check [www.axium.co.nz](http://www.axium.co.nz) for latest updates*