

# AXIUM AX-IRKIT 42

The Intelligent IR Receiver Kit with 4 x Single Emitters

### Microprocessor filtered

The Smallest Data-Stream Filtered Infra-Red Receiver. The IRFX3 is Plasma, LCD, LED & Sunlight tolerant, utilising leading edge technology to filter the received Infrared (IR) data packets.

A microprocessor filters then re-transmits the IR command in real time, with priority given to reconstruct fussy short pulse IR Commands used in some remote controls.

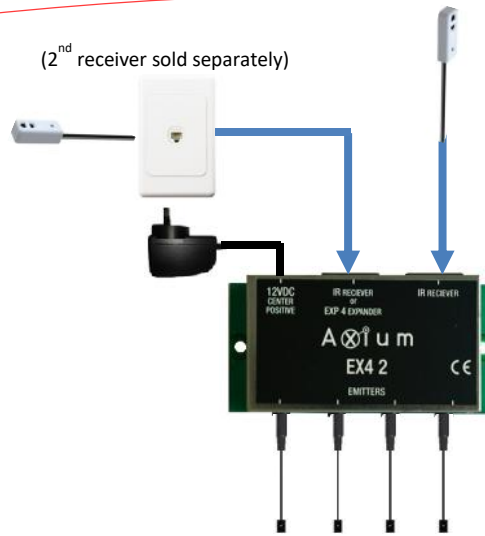
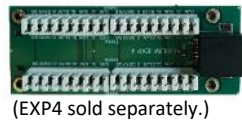
### Superior IR throughput

Superior performance in rejecting noise and interference using a dual lens receiver system which incorporates a High-Q optical filter removing the problematic LCD/Plasma frequencies. In addition, an EMI shield has been integrated to provide even greater compatibility and more mounting options.

### Flexible mounting

With its slim profile, colour options and exceptional cable control the IRFX3 is suitable for surface mounting on Televisions, Plasma/LED/LCD displays, cabinets, appliances, or speaker grills, it blends completely into the device you attach it to.

Or Expand out to the EXP4 to add up to 4 additional IRFX3 Receivers.



## Technical Specifications

- Ingenious IR return path over the CATx cable via the RJ45 connector
- 2<sup>nd</sup> RJ45 connectors to add an additional IRFX3 or expand out to the EXP4 connector to add an additional 4 x IRFX3 Singles
- Excellent IR receiver range: 8m ± 45° (Depends on ambient light levels and remote-control strength)
- Receives / processes very short pulse burst codes systems as used by Foxtel and Sky
- Wide input voltage range: 8 - 16VDC 50mA
- Amplifier ON indicator and IR reception "flash back" indicator. (Both can be defeated)
- Default modulation frequency, : 38KHz ± 1%
- The receiver has excellent off axis reception, giving >50% range when 45° off axis
- Flat 4 core 28AWG 2m black lead on the IRFX3.
- Rear/ Bottom side cable exit
- Enhanced EMI immunity with Data Stream Filtering
  - Rejects IR disturbances that can slow down or cause intermittent problems on IR systems
- See individual data sheets for full specification and dimensions
- Approvals: C-Tick CISPR22, FCC

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

### Kit Contents:

- 1x AX-IRFX3 Intelligent IR receiver (3 colour shells included)
- 1x AX-EX42 Connecting Block
- 4x AX-SIR1 Single Emitters (<2mm thick)
- 1x 12v Power Supply

Images are not to scale

