



# CATLINK DISTRIBUTION HUB

INFRARED REMOTE CONTROL DISTRIBUTION

The CATLINK infra-red remote control distribution system is designed for use in structured cabling systems employing twisted pair category 5 (cat5) cabling and using the RJ45 as a common connector.

The Distribution hub is the central component of the Catlink system and provides power to and receives signals from Receiver heads and converts and drives these signals out to the emitter circuits that drive the emitter sets that are positioned over the equipment to be controlled remotely. The hub is designed to be either free standing or wired into a patch panel arrangement.



PART# CL-EHUB38

The Distribution hub is connected to the distribution network via four RJ45 sockets which are wired with pair 4 providing power and signal reception for Receiver heads and pair 1 driving Emitters. This leaves pairs 2 & 3 for other applications such as telephone or 10baseT network if required.

The four RJ45 connectors are grouped into two pairs (designated 'ports A & B') providing two independent receiver head circuits. Each of the two reception circuits can support up to 6 receiver heads, therefore providing support for up to 12 receiver heads per hub.

The indicator LED adjacent to the connectors flashes whenever a signal is being driven out of the emitter circuit.

All RJ45 connectors can drive the Emitter network and can be parallel wired to Emitter signals of extra hubs thereby allowing larger networks to be built up from multiple hubs.

Provided with case flanges for screwing to wall or bracket.

## Specifications

<i>Part Number</i>	CL-EHUB38
<i>Power Requirement</i>	13.8V~18VDC @ 1A MAX via 2.1mm centre negative DC socket
<i>Maximum Cat5 cable run</i>	100 meters
<i>Max number of receiver heads</i>	6 per port, max of 12 per hub
<i>Max number of Emitter sets</i>	4 per port, max 8 per hub (i.e 16 items of equipment controlled)
<i>IR bandwidth</i>	25kHz ~ 455kHz
<i>Dimensions (not including flanges)</i>	80mm (W) x 57mm (D) x 34mm (H)

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