TECHNICAL BULLETIN

KEENE ELECTRONICS

Cat5Blaster

Cat5Blaster Technical bulletin

Cabling configuration:
The Cat5Blaster RJ45 sockets are configured such that adjacent connections are expected to be the twisted pair. That is to say that pins 1&2 should be connected to twisted pair “a”, pins 3 & 4 to twisted pair “b” and so on. A “pair” is always colour co-ordinated, for example orange and white/orange make a pair, blue and white make a pair etc.

If you are configuring your own cable runs to use between the transmitter and receiver's then this wiring is easy to follow. If instead you are using pre-configured Cat5 patch leads then it is possible (indeed likely) that the cables will have been wired to the 586B standard. This places twisted pairs on non-adjacent pins of the RJ45 socket. Although the Cat5Blaster system will still work with such a cable, it means that the cable is susceptible to cross-talk and may cause picture degradation to occur. This would normally only be noticeable on longer cable runs (say 20m plus) and would manifest itself as herring bone type patterning. If you wish to use pre-configured Cat5 cables then it is possible to reconfigure the “pairs” correctly by using a short line adaptor at each end. This line adaptor is available free of charge from Keene Electronics on request, order code [C5LA]