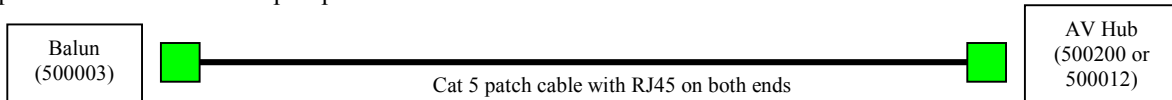


Technical Bulletin

Product: VideoEase Dual Audio-Video Balun (500003)
Subject: Patch Cable Specification Allowing the 500003 to Connect to the Audio-Video Hub (500200) or to a 500012
Date: July 12, 2002

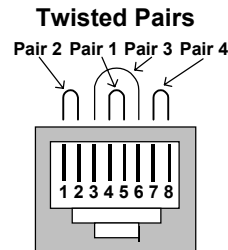
NHC's Dual Audio-Video Balun is currently available in two models; Model 500003 and Model 500012. Although functionally identical, the 500012 is pin-compatible with NHC's Audio-Video Hub (500200), whereas the 500003 is not. In order to allow the 500003 to be connected to the Audio-Video Hub or 500012, this technical bulletin specifies the Cat 5 twisted pair patch cable that would be needed.



The table on the right shows the RJ45 pin configuration of the 500003 and that of the pin configuration of the hub's RJ45 connectors. Signals "Video1" and "Video2" are reverse-polarity sensitive and therefore care must be taken to ensure straight-thru wiring (i.e. R to R, T to T). Also, each signal must use one (1) twisted pair.

Signal	500003	500200/500012
Video 1	Pins 7 (R) & 8 (T)	Pins 7 (R) & 8 (T)
Video 2	Pins 1 (R) & 2 (T)	Pins 4 (R) & 5 (T)
Audio 1	Pins 4 & 5	Pins 1 & 2
Audio 2	Pins 3 & 6	Pins 3 & 6

The pin numbers read from left to right looking into the RJ45 receptacle with the tab facing down as shown in the diagram on the right.



RJ45 Jack

The table on the right describes which pin of the patch cable on the end connected to the balun (p/n 500003) corresponds to which pin of the patch cable that connects to the hub (p/n 500200) or 500012.

500003 Side		500200 or 500012 Side
Pin 1	Goes To	Pin 4
Pin 2	Goes To	Pin 5
Pin 3	Goes To	Pin 3
Pin 4	Goes To	Pin 1
Pin 5	Goes To	Pin 2
Pin 6	Goes To	Pin 6
Pin 7	Goes To	Pin 7
Pin 8	Goes To	Pin 8

For more information, please contact Jeffrey Herman at NHC at 1-800-361-1965 or at videoease@muxlab.com.