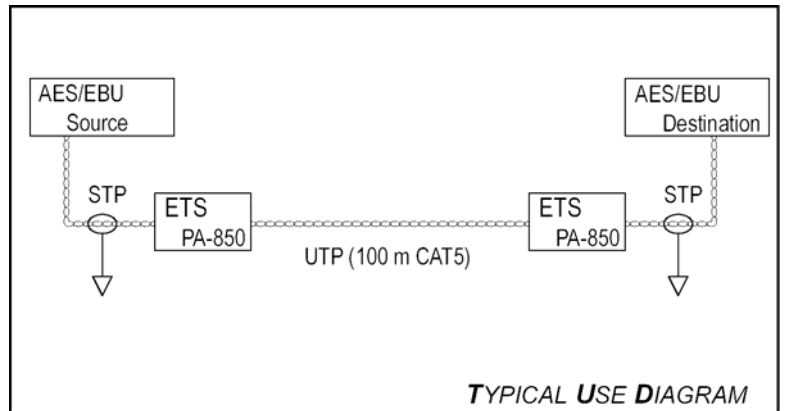


# PA850 Series

# Digital Audio Adapter



Features/Advantages	Description	Applications
<ul style="list-style-type: none"> <li>Send AES/EBU digital audio over Category5 UTP cable to 100 meters</li> <li>Longer run distances with lower noise</li> <li>Less expensive materials and installation cost than coax</li> <li>Fully-isolated design</li> <li>Impedance-matched and balanced to maximize signal quality and minimize undesirable reflections</li> </ul>	<p>The <b>ETS Digital Audio Adapter (PA850 Series)</b> is impedance- matched, balanced, and isolated to provide excellent performance sending AES/EBU signals over Category 5 or better Unshielded Twisted Pair (UTP) wiring.</p> <p>Experiments with High Performance Category5 cable have shown that Digital Audio signal performance over UTP is equal to that of 110-ohm Shielded Twisted Pair wire, even at the highest bit rates.</p> <p>The <b>ETS</b> exclusive balun design balances and isolates the signal, eliminating unwanted jitter. The careful impedance-matching prevents reflections that can degrade signal reception and decoding.</p>	<ul style="list-style-type: none"> <li>Broadcast Control Rooms</li> <li>Recording Studios</li> <li>Post-Production Facilities</li> </ul>

Specifications		Product Ordering Information	
Bandwidth	100KHz to 30MHz, $\pm 1$ dB	PA850	Digital Audio Adapter, M-XLR to RJ45 Jack
Connectors	XLR to 8 pin Modular (RJ45)	PA851	Digital Audio Adapter, F-XLR to RJ45 Jack
Insertion Loss	0.25dB		
Max Signal	6V		
Impedance Match	110 $\Omega$ to 100 $\Omega$ UTP		
Comm Mode Reject.	> 50 dB		
Return Loss	20 dB, 50KHz to 30MHz		
Distance	330 ft		
Dimensions	18" Long		
Net Weight	~ 0.17 # (0.08 Kg)		

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