

### Overview:

The Digital Audio Extender allows one (1) source of digital audio signal: coax (S/PDIF) or optic (TOSLINK) to be connected to a receiver: coax or optic to up to 500 ft. (150m) in a point-to-point configuration. The Extender supports most standards to transmit two channels of uncompressed lossless PCM audio or compressed 5.1/7.1 surround sound, such as Dolby Digital Plus or DTS-HD High Resolution Audio (multichannel digital audio Dolby Digital® 5.1, DTS, and Dolby® True HD).



**Applications:** Transmission of Digital Audio Signals  
Home theatre, Digital signage, rental and staging.

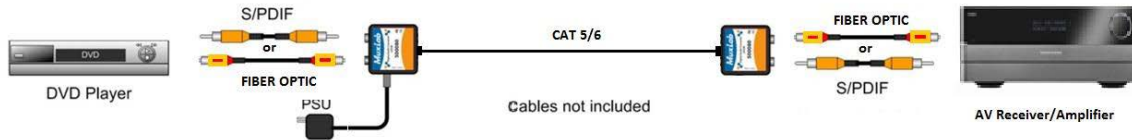
### Features:

- Extend digital audio fiber optic link (TOSLINK) or digital audio electrical link (COAX) to 500ft (150M) over UTP cable
- Can be used to convert optical link (TOSLINK) to electric link (COAX) or reverse
- Power only needed on one side as other side is powered by PoL

<b>Environment</b>	Digital Audio
<b>Standard Supported</b>	LPCM, Dolby Digital® 5.1, DTS, and Dolby® True HD
<b>Input / Output signal</b>	S/PDIF coax cable or TOSLINK optic cable, input selectable.
<b>Sampling rate</b>	Up to 96kHz/24bits
<b>Maximum distance between unit</b>	500 ft. (150m)
<b>Connectors</b>	RCA, TOSLINK, POWER, RJ45 on each unit.
<b>Power requirement</b>	1W max, 5V DC
<b>S/PDIF spec</b>	Coax 75 ohm with RCA connector, level: 500mVp-p into 75 ohm
<b>TOSLINK spec</b>	Plastic optic cable with EIAJ/JEITA RC-5720C connector, Wavelength: red 660nm, level: -15dBm max.
<b>Cabling Requirement (not supplied)</b>	Any 4-pair straight cable CAT5/5E/6 with RJ-45 connector. Coax and second Optic Cable.
<b>Included in this kit</b>	1 x TX unit, 1 x RX unit, 1 x 5V Power supply, 1 x Optic Cable 3ft (1m) and 1 x Installation guide.
<b>RJ45 Pin Configuration</b>	Pair 4+5 (data), 1+2+7(+5V), 3+6+8(0V)
<b>Compatible mounting hardware</b>	500902, 500900, 500910, 500915
<b>Temperature</b>	Operating: -40° to 85°C (-40° to 185°F) Storage: -40° to 85°C (-40° to 185°F)
<b>Humidity</b>	Maximum 95% (non-condensing)
<b>Enclosure</b>	ABS UL94HB fire retardant plastic
<b>Dimensions</b>	2.25" x 2.25" x 1.0" (6 x 6 x 2.5 cm) each box.
<b>Shipping Weight</b>	1 lb. (450g)
<b>Warranty</b>	2 Years
<b>Order Information</b>	500086 Digital Audio Extender (UPC: 627699000861)

# Digital Audio Extender 500086

## Typical Application:



## Product Photos:

