

# TD-1A-SET

## Single Channel HDbaseT TX/RX with IR + RS232 control

### TeleDelta TD-1A-SET

The TeleDelta HDbaseT TD-1A-SET (transmitter and receiver) are a compact single channel HDbaseT linking solution for 4K/2K and Full HD video and audio distribution over CAT5E/6 cable.

The TD-1A-SET provides up to 4K / 2K up to 130ft (40m) and full 1080P for 230ft (70m) combined with two-way IR and RS232 communications. Advanced EDID management allows users to select EDID parameters when specific identification is required.

Providing POH (Power over HDbaseT) allows users to install a single power-supply at either the TX or RX end and power the link-set. Rack ears for easy mounting are included in the TD-1A-SET.



### TD-1A-SET Key Features

- Distribute up to 4K / 2K and Full HD over Cat5E / 6 Cable.
- 4K / 2K up to 130ft, 1080P up to 230ft
- Integrated IR and RS232 communications
- HDMI Input / Output
- Programmable EDID Management + Control
- Supports POH - Only one power supply is required
- Dolby TrueHD or DTS-HD Master Audio support

### TD-TX/RX1A-RS232 Quick Overview

Transmitter Part No.	TD-TX1A-RS232
Receiver Part No.	TD-RX1A-RS232
Video Input	HDMI (DVI) with adaptor
RJ45 Connector	Yes
Video Format / Distance	
4K / 2K (30 Htz)	130ft (40m) over Cat5E/6
1080P (60 Htz)	230ft (70m) over Cat5E/6
Audio Component (see below)	Up to Dolby TrueHD or DTS-HD Master Audio
Communication	RS232 (2-way communications)
	IR (2-way communications)
EDID Management	See below
Power Input	12V - POH (power supply required at one-end only)

For more information please contact your local distributor or [sales@teledelta.com](mailto:sales@teledelta.com)



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## Single Channel HDbaseT TX/RX with IR + RS232 control

TD-TX1A-RS232 (Transmitter) Diagram



RS232 Connector      HDMI Input      IR Input/ Output

**Dimensions: (mm)**

108 (W) x 108 (D) x 28 (H)

Weight: 210 grams



EDID Management      Upgrade Switch      HDbaseT Output      12V Power Input

Technical Specifications (Video / Audio)	
Input Connector (Video)	HDMI - Type A - 19 Pin Female
Input Connector (Audio)	HDMI - Type A - 19 Pin Female
HDMI	V1.4 - HDCP Supported
<b>Format / Distance</b>	
4K / 2K @ 30hz	130ft (40m) over Cat5E / 6
1080P @ 60hz	230 (70m) over Cat5E / 6
Bandwidth Through-put	2.97Gbps
Supported Video Resolutions	Up to 4K / 2K @ 30Hz (HDMI)
	Up to 1080P @ 60Hz (HDMI)
	Up to 1080I @ 60Hz (HDMI)
	1920 x 1080 @ 60Hz (DVI) no audio
	1920 x 1200 @ 60Hz (DVI) no audio
	1280 x 1024 @ 60Hz (DVI) no audio

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## TD-1A-SET

### Single Channel HDbaseT TX/RX with IR + RS232 control

<b>Communications</b>	
RJ45	Yes
IR Input / Output	3.5mm Stereo Jack (Each)
RS232 Input / Output	DB9 Connector
Power	12V - 2 Amps (single end only required)
Connector	Screw connector
Dimensions	108 x 108 x 28mm
Weight	210 grams
Mounting	Rack-ear (included)

<b>EDID Setup Configuration (Manual Dip-Switch)</b>	[DIP]=0000: HDMI 1080p@60Hz, Audio 2CH PCM
	[DIP]=0001: HDMI 1080p@60Hz, Audio 5.1CH PCM/DTS/DOLBY
	[DIP]=0010: HDMI 1080p@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD
	[DIP]=0011: HDMI 1080i@60Hz, Audio 2CH PCM
	[DIP]=0100: HDMI 1080i@60Hz, Audio 5.1CH PCM/DTS/DOLBY
	[DIP]=0101: HDMI 1080i@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD
	[DIP]=0110: HDMI 1080p@60Hz/3D, Audio 2CH PCM
	[DIP]=0111: HDMI 1080p@60Hz/3D, Audio 5.1CH PCM/DTS/DOLBY
	[DIP]=1000: HDMI 1080p@60Hz/3D, Audio 7.1CH PCM/DTS/DOLBY/HD
	[DIP]=1001: HDMI 4K2K, Audio 2CH PCM
	[DIP]=1010: HDMI 4K2K, Audio 5.1CH PCM/DTS/DOLBY
	[DIP]=1011: HDMI 4K2K, Audio 7.1CH PCM/DTS/DOLBY/HD
	[DIP]=1100: DVI 1280x1024@60Hz, Audio None
	[DIP]=1101: DVI 1920x1080@60Hz, Audio None
	[DIP]=1110: DVI 1920x1200@60Hz, Audio None

<b>Included in Package (TD-1A-SET)</b>	
TD-TX1A-RS232 (IR + RS232)	x1
TD-RX1A-RS232 (IR + RS232)	x1
Power-supply (12V 2amp)	x1
IR Transmitter / Receiver	x1 Each
Mounting Ears	x1 Set

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