



DaisyNET from COMM-TEC is a wired distribution system for uncompressed high resolution AV signals on a dedicated HDBaseT bus using standard CAT-5e/6 cables¹. It handles HDMI 1.4, Displayport++² and VGA + audio signals, converts them to HDMI if needed (without scaling) and transmits them over distances up to 100m³. And all of this without any visible latency! The ingenuity of the system is that it works in a daisy chain topology. You can cascade sender and receiver units according to your needs. Connection is done by using inexpensive, easy to install CAT cables as used in computer networks¹. Pushing a local "ShowMe" button or one of the external buttons on any transmitter feeds its signal on the HDBaseT bus. At the end of the bus we can connect one or several receiver devices or route the HDBaseT bus directly to an appropriate input on a display or projector. The DaisyNET receivers have an HDMI output (HDCP compliant) for the AV signal which has been transmitted over the HDBaseT bus. It is also possible to daisy chain the receivers, so they show all the same signal (split function). DaisyNET also offers one RS232 port on each unit which can be used for controlling the whole DaisyNET system and for updating the firmware. Controlling even a complex setup is very easy: just connect the control system to the serial port of the first DaisyNET transmitter, and the commands are

being transported over the HDBaseT bus to every other DaisyNET device on the bus. Or you can even transmit IP control commands via the Ethernet port directly to a HDBaseT compatible sink. At the same time Ethernet data up to 100 Mbps is distributed over the same CAT cable for the HDBaseT bus. As soon as you connect one unit to a network, the whole system acts like a network hub and offers a 100 Mbps connection at each unit.

No matter if you use DaisyNET as a desktop application or hide it and just use the connectivity: DaisyNET can be utilized in a huge variety of vertical market applications. And due to it's scalability you can expand an existing installation in no time.

Features

- Cascadable HDBaseT bus system using transmitters and receivers. Transport of uncompressed High Definition signals without latency using CAT cables between units, each up to 100m long.
- Transmitters and receivers can be daisy chained (max. 32 units)⁴
- Auto-adjustment for cable length
- No manual configuration needed⁵
- Plug 'n play
- Control over RS232 possible
- Control software available free of charge
- 1x HDMI 1.4 IN on each Tx
- 1x DisplayPort++² IN on each Tx
- 1x VGA + Audio IN on each Tx
- 1x Ethernet port on Tx and Rx
- RS-232 port on Tx and Rx
- EDID management
- Three Phoenix connectors for external input selection buttons plus status LEDs on each TX
- One local ShowMe button per Tx, extendable via Phoenix connector
- Resolutions up to 1080p/1920x1200⁶
- Uncompressed signal transport
- LED indicator for selected input
- LED indicator for UTP IN/OUT status
- Power connection either via lockable screw connector or via Phoenix connector.

Tender documents

Please check our website for further product information:

www.comm-tec.de

¹ (CAT-5E/6, AWG 23 or better).

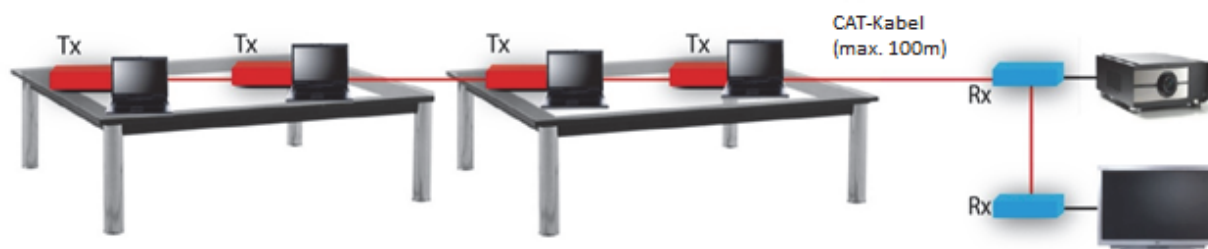
² DaisyNET supports only DP++ compatible devices. Please check whether your device complies to the DP++ specifications (www.displayport.org)

³ Theoretical operating distance, depending on the quality of cables, patch panels, floor tanks, etc.

⁴ Please read the notes in the manual regarding installing and operating the DaisyNET products.

⁵ For RS232 controlling a one time setup of the units is necessary

⁶ Please check the DaisyNET manual for a list of all supported resolutions.



Technical specifications

Product	DaisyNET
Description	DaisyNET Tx Transmitter
Cat.-Nr.	7090DNTXC
Description	DaisyNET Rx Receiver
Cat.-Nr.	7090DNRXC
Connection Transmitter:	
Video/Audio Inputs:	1x HDMI 1.4 (incl. HDCP) 1x DisplayPort++ ² 1x VGA (Sub-D) + analog audio (3,5 mm mini jack)
Ethernet:	100 Mbps
Control:	ShowMe button (local), 2-pin Phoenix connector for ShowMe-Button (external), three Phoenix connectors for external switching buttons and LEDs. RS-232: for configuration and control (Phoenix connector)
HDBaseT In-/ Output:	RJ 45 (please check manual for recommended cables)
Power:	lockable connector or Phoenix connector
Connection Receiver:	
Video/Audio Output	HDMI 1.4 (HDCP compliant)
Ethernet:	100 Mbps
RS-232:	for configuration and control (Phoenix connector)
HDBaseT In-/ Output:	RJ 45 (please check manual for recommended cables)
Power:	lockable connector / Phoenix connector
Dimensions (W x H x D):	223 x 27 x 124 mm (TX) / 223 x 27 x 109 mm (RX), without stands or rack mounts.
Weight:	800 g
Included accessories:	Power supply (5V / 2,5 A), user manual, phoenix plugs, mount kit, stickable enclosure feet.
Optional accessories:	Free software for configuration & RS232 control can be downloaded at www.comm-tec.de