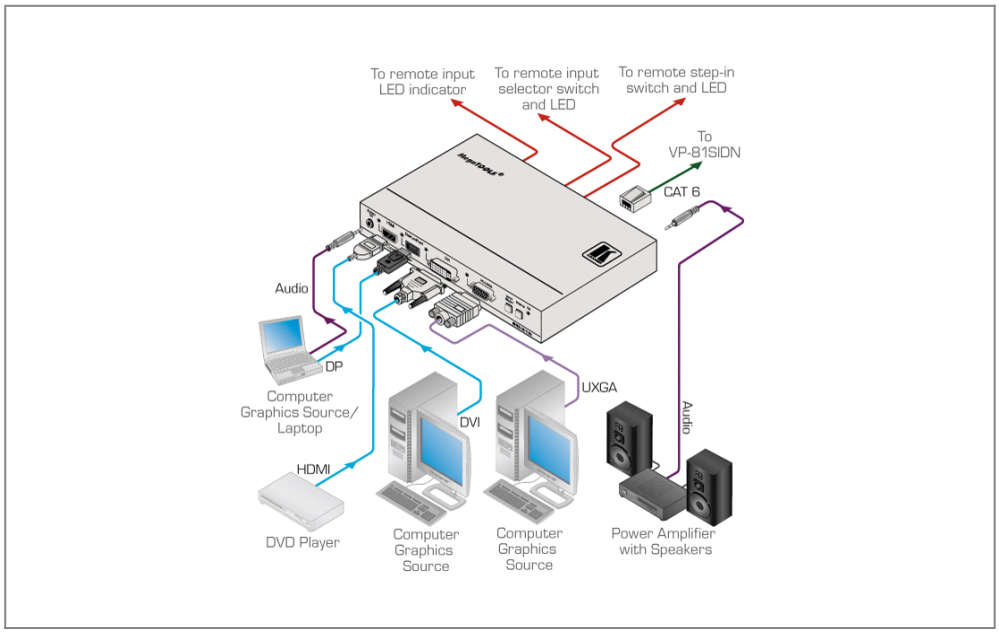
SID-X1N

4−Input Multi−Format Video over DGKat Transmitter & Step−In Commander

The SID−X1N is a DGKat™ twisted pair transmitter and step−in commander for computer graphics video, HDMI, DVI, DisplayPort and unbalanced stereo audio signals. The unit includes a “Step−In” button that allows the local source to be routed as the active source on the main display through the main switcher.

FEATURES

- Max. Data Rate - 4.95Gbps (1.65Gbps per graphics channel).
- Compatible Switcher - VP−81SIDN.
- HDTV Compatible.
- HDCP Compliant. - Works with sources that support HDCP repeater mode.
- HDMI Support - x.v.Color™ and 3D.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems.
- Data Equalization and Reclocking.
- Input Signal Detection - Based on video clock presence.
- Automatic Input Selection - Based on manual selection or last connected input.
- Automatic Analog Audio Detection and Embedding.
- Local Balanced Audio De-embedding.
- Support for Digital Audio Formats.
- Lockable EDID.
- DGKat™ Signal Integration - Kramer’s unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.
- Cable - Requires STP (shielded twisted pair) cable. For optimum range and performance, use Kramer's BC−DGKat623 or BC−DGKat7a23 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non−Kramer CAT 6 and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground.
- Power Connect™ System - A single connection to the transmitter powers both units when the devices are within 150ft (50m) of each other.
- Local Step-In Switching - Button & contact closure.
- Power Supply - Requires independent power supply.

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI on an HDMI connector, 1 DP on a DisplayPort connector, 1 DVI−D on a DVI−I connector 1 VGA on a 15−pin HD (F) connector, 1 unbalanced stereo audio on a 3.5mm mini jack.
OUTPUTS:	1 twisted pair on an RJ−45, 1 unbalanced stereo audio in a 3.5mm mini jack.
PORTS:	1 RS−232 3−pin terminal block for programming.
CONTROLS:	Front panel buttons, remote step−in switch, remote input selection switches, RS−232.
ANALOG AUDIO INPUT:	Maximum level − 3Vpp.
REMOTE LED IMPEDANCE:	5V, 300Ω approx.
STANDARDS:	HDMI with x.v.Color™ and 3D; HDCP: works with sources that support HDCP repeater mode.
MAXIMUM DATA RATE:	4.95Gbps (1.65Gb per graphics channel).
MAXIMUM STEP-IN DISTANCE:	50m (164ft) up to 1080p @60Hz @24bpp.
POWER CONSUMPTION:	12V DC, 1.1A.
COMPLIANCE STANDARDS:	CE, UL.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	–40° to +70°C (–40° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
COOLING:	Convection, vents.
ENCLOSURE TYPE:	Aluminium.
DIMENSIONS:	18.8cm x 11.3cm x 2.5cm (7.4” x 4.5” x 1”) W, D, H rack−mountable.
WEIGHT:	0.48kg (1.1lbs) approx.
INCLUDED ACCESSORIES:	Power adapter.
OPTIONS:	RK−T2B 19“ rack adapter, RTBUS−12, RTBUS−22, SID−X1NBP Kit (substitute black top plate for the SID−X1N to blend in with the color of the modular TBUS−10xl).