



## SID-X1N

DisplayPort, HDMI, VGA & DVI Auto Switcher over DGKat



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.
- 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.
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.
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).
PRODUCT DIMENSIONS:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00" ) W, D, H
PRODUCT WEIGHT:	0.5kg (1.0lbs) approx.
SHIPPING DIMENSIONS:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05" ) W, D, H
SHIPPING WEIGHT:	1.4kg (3.1lbs) approx.

