The VP-16x18AK is a high-performance matrix switcher for computer graphics video up to UXGA and unbalanced stereo audio signals. The unit can simultaneously switch any input to any or all of the 16 computer graphics and two twisted pair outputs.

**FEATURES**

- **High Bandwidth** - 420MHz (−3dB)
- **HDTV Compatible**
- **Kr-isp® Advanced Sync Processing** - Ensures compatibility with a wide range of computers (even if the sync level is too low) by restoring the sync signal waveform. Kr−isp® advanced sync processing can be enabled or disabled.
- **Multiple Memory Locations** - Stores 12 multiple switches as presets to be recalled and executed when needed.
- **Automatic Input Detection** - An input lights green when a live connection is detected.
- **Delayed Switching™ Mode** - Glitch-free switching of non-genlocked sources by setting the transition time of a switch from 0 to 3.5 seconds.
- **Audio Breakaway Switching**
- **Audio-Follows-Video** - Automatically switches the stereo audio signal with the video signal when switching the active input to the output.
- **Audio Level Gain Controls** - For unbalanced stereo inputs.
- **Convenient Take Button** - Executes multiple switches all at once.
- **Front Panel Control Lockout**
- **EDID Pass-through** - Pass-through algorithm ensures Plug and Play operation.
- **Flexible Control Options** - Front panel buttons, IR remote with transmitter or optional remote extension cable, RS-232 & RS-485, Ethernet with Web browser.
- **Standard 19" Rack Mount Size** - 5U. Rack "ears" included.
TECHNICAL SPECIFICATIONS

INPUTS: 16 UXGA on 15-pin HD connectors, 16 unbalanced stereo audio on 3.5mm mini jacks

OUTPUTS: 16 UXGA on 15-pin HD connectors, 16 balanced stereo audio on 5-pin terminal block connectors, 2 TP on RJ-45 connectors

MAX. OUTPUT LEVEL: Video: 1.6Vpp; Audio: 9.6Vpp diff (12.8dBu)

BANDWIDTH (-3dB): Video: 420MHz; Audio: 20kH

DIFF. GAIN: 0.1% maximum

DIFF. PHASE: 0.05Deg. maximum

K-FACTOR: Local output: 0.1%

S/N RATIO: Video: 62dB to 5MHz; Audio: 83dB

CROSSTALK (all hostile): Video: –35dB @ 100MHz; Audio: –68dB @1kHz

CONTROLS: Volume: –105 to +30dB; bass: –15 to 15dB; treble: –20 to +20dB

COUPLING: Video: Local output: DC; CAT 5 output: AC; Audio: Local output: input=AC, output=DC; CAT 5 output: input=AC, output=AC

AUDIO THD + NOISE: Local output: 0.031% @1kHz

AUDIO 2nd HARMONIC: Local output: 0.003% @1kHz

POWER CONSUMPTION: 100–240V AC, 44VA

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

INCLUDED ACCESSORIES: Power cord, rack “ears”, RC-IR3 IR Remote Control

OPTIONS: External remote IR receiver cable

Product Dimensions 19” x 9.33 x 5U (43.6cm x 23.70cm x 13.25cm) W, D, H

Product Weight 3.9kg (8.7lbs) approx

Shipping Dimensions 55.50cm x 34.20cm x 20.00cm (21.85” x 13.46” x 7.87”) W, D, H

Shipping Weight 5.5kg (12.2lbs) approx