

PANIO CH1630K

16x16 4K 30Hz HDMI Matrix Switcher

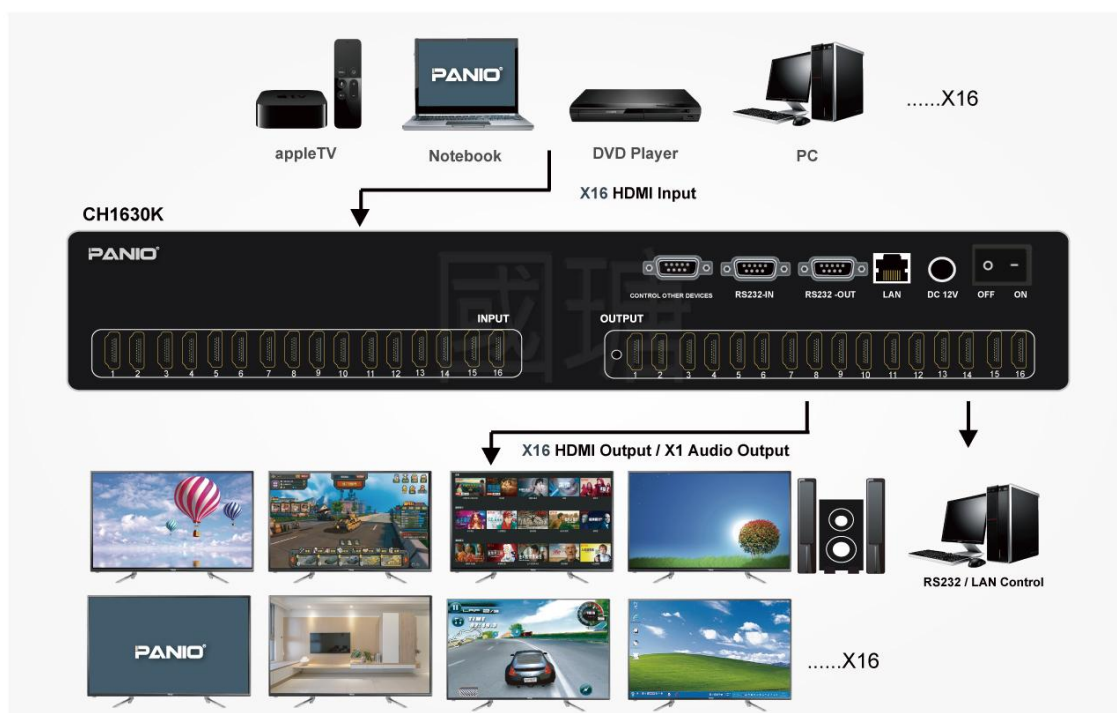
Product Overview

The CH1630K is a high-performance 16-input 16-output digital audio and video HDMI matrix switcher, designed to enable flexible signal routing—supporting 1-to-1, 1-to-multiple, or cross-channel switching for seamless audio and video distribution.

Key Features

- **Flexible Switching:** Supports arbitrary routing (1 input to 1 output, 1 input to multiple outputs, or cross-channel selection) for each channel.
- **High-Resolution Support:** Compatible with 4K x 2K @30Hz, 1080P @60Hz, 1080P 3D @60Hz, and standard resolutions (480i, 576i, 480p, 576p, 720p, 1080i).
- **Enhanced Visuals:** Deep Color support for 48/36/30/24-bit, delivering richer color depth.
- **Audio Capabilities:**
 - Separate independent audio output for the 1st channel.
 - Supports LPCM 7.1CH, Dolby True HD, Dolby Digital, and DTS-HD Master Audio transmission.
- **EDID Management:** Independent manual EDID function for each port, ensuring optimal signal compatibility.
- **Intuitive Control:**
 - Two-button operation: 1st press selects input, 2nd press selects output (with quick cancellation).
 - Multiple control methods: Button, remote control, 3x RS-232, Web UI, iOS/Android APP, and TCP/IP.
- **Scene Storage:** Stores up to 8 scenes for quick recall, eliminating repetitive switching operations.
- **Professional Performance:** Equipped with broadcast-grade switching chips for high-efficiency, single-chip image switching.
- **Rack-Mount Design:** Fits 19" rack systems for easy integration in professional setups.

Diagram



Technical Specifications

Parameter	Details
Model Name	CH1630K
Input Ports	16 x HDMI (Type A Female)
Output Ports	16 x HDMI (Type A Female), 1 x 3.5mm audio port
Max Video Resolution	480i, 576i, 480p, 576p, 720p, 1080i, 1080p @24/30/50/60Hz, 1080P 3D @60Hz, 4K @30Hz
ESD Protection	±8kV (air-gap discharge), ±4kV (contact discharge) (human body discharge mode)
Control Interfaces	2 x RS-232 Male, 1 x RS-232 Female, 1 x RJ-45
Protocol Standards	HDMI 1.4b, EDID management, HDCP
Control Modes	Button, remote control, 3x RS-232, TCP/IP, iOS/Android APP

Max Cable Length	5 meters (HDMI cables); extender recommended for longer distances
Power Supply	DC 12V 5A
Max Power Consumption	34W
Dimensions (LxWxH)	480 x 252 x 44mm
Weight	3.5Kg

Package Contents

- 1 x CH1630K Matrix Switcher
- 1 x 12V 5A Power Adapter
- 1 x Remote Control (battery not included)
- 1 x User Manual