# ATEN Control System

## VK0200 12-button Control Pad (EU, 2 Gang)

- The VK0200 is a fully-customizable 12-button Control Pad that integrates a controller with a keypad as an all-in-one solution. Aimed for small/medium meeting room or classroom control, the VK0200 offers a ready-to-use solution that easily connects the devices, configures via the intuitive VK6000 Configurator Software, and flexibly customizes keypad button functions and layout to fulfill most applications.

The ATEN Control System is an Ethernet-based management system that connects all the hardware devices found in a room for centralized control effortlessly. The VK0200 Control Pad not only plays the role as the main controller that connects the hardware devices, but also acts as a control interface with customizable buttons and layout. Created with flexibility in mind, the two-gang Control Pad can be laid out in 125 different combinations of 6 to 12 buttons that snap together as easy as Lego's. By connecting to the local network, users will find it's effortless using VK6000 software to configure the desired control of any connected device from the Control Pad. With the ready-to-go combo Control Pad, you have instant and smart control of the facilities from a Control Pad that can manage any device in the room.

White Front view

Black Front view

Rear view

**Note:** This model is also available in black color – Part number: VK02001, which is a built-to-order product. To place an order, please contact your regional ATEN representative.

Custom button placement on the Control Pad can be set in 125 different combinations of 6 to 12 buttons. The example above shows the 12 most commonly used.

## Features

### VK0200 Control Pad

- Supports various interface connections:
  2 x RS-232 ports
  2 x Relay channels
  1 x Dgital input channel
  1 x Ethernet port
- Designed to mount in 2-gang EU-type and MK-type junction boxes
- Fully customizable with 125 layout combinations of 6 to 12 buttons
- Available in black or white color
- Supports native KNX IP for building management systems
- Telnet, TCP, UDP, HTTP, HTTPS, ONVIF, and PJLink compliant
- Supports project file backup[1]
- Web GUI for easy system configuration
- Supports SSH communication for data monitoring[2]
- LED indication of connection and hardware status
- Dual-color LEDs for clear indication in dark environments
- Redundant power supplies – Power over Ethernet and DC 5V (optional)
- Customized button engraving service

### VK6000 Configurator Software

- Simple profile setup with easy configuration steps via intuitive GUI
- Customizable GUI to be used on mobile devices and PC[3]
- Supports ControlAssist that allows PC control[4]
- Built-in Database Generator for device driver setup and overall device management
- Built-in ATEN Library comprising 10,000+ device drivers and complete ATEN VanCryst product drivers
- Two-way communication enables user-defined event monitoring to automatically trigger the next actions
- Test tool to verify commands in action before uploading the profile to the VK0200 Control Pad

**Note:**

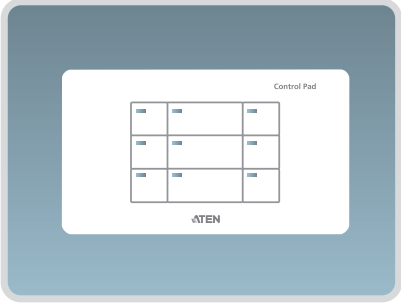
1. Each ATEN Control Box is capable of backing up one project file.
2. The SSH protocol can be used for monitoring the receiving/transmission data of the Control Pad.
3. Additional license is required for mobile control.
4. For details on the supported PC control actions, refer to the ATEN Control System User Manual.

# Installation Setup

## Connect hardware

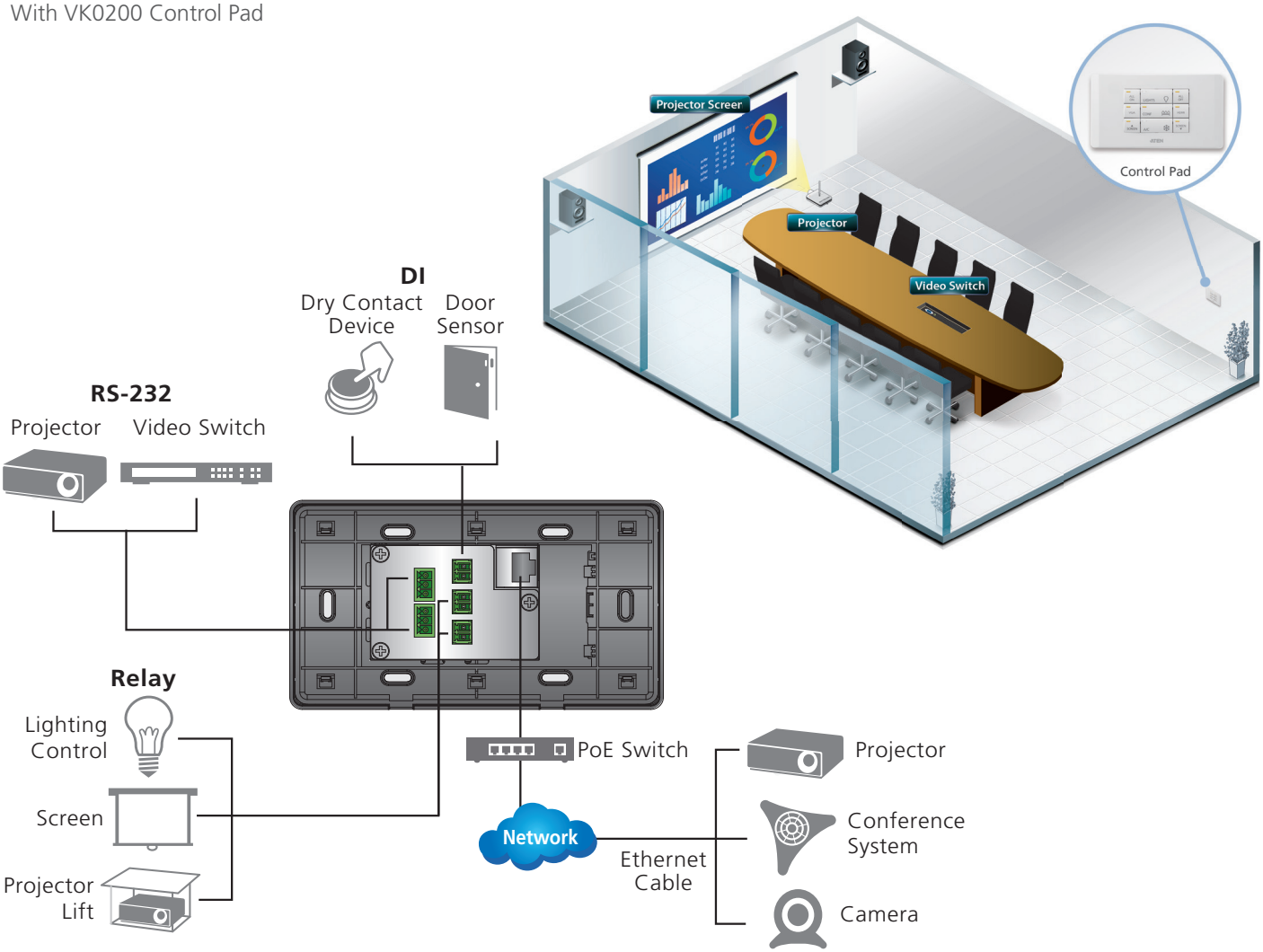
## Configure settings

## Set Control Pad Layout




### Simple Solution

With VK0200 Control Pad



## Highlights

| | |
|---|---|
| **Intelligent Control** | The **ATEN Control System** makes the interactions between your hardware devices smarter. Pre-programmed actions and triggers can provide a fully automated series of advanced operations that allow your devices to respond to each other intelligently, making your whole solution run smarter and smoother. |
| **Optimized Performance** | The **ATEN Control System** has optimized the communication protocols that not only maintain a close-to-zero second response time but also feature data encryption for extra protection. |
| **Simplified Setup** | No matter how large the room or how complicated the hardware, the **ATEN Control Pad** can be deployed in 3 easy steps: connect the hardware, configure the system, and set the Control Pad layout. Through an intuitive GUI, the process for setting up the controls for every room is simple and customizable, via straightforward predefined commands and macros that do not require you to have complicated programming skills. |
| **Effortless Expandability** | With a range of expansion boxes available, the **ATEN Control System** installation can grow to accommodate additional Serial, Relay and IR devices. Furthermore, the **ATEN Library** has 10,000+ device drivers and grows as you add new devices to the existing database via the **Database Generator**, making it expandable and easily manageable, whatever the size or scope of the installation. |
| **Fully Customizable with Ease** | The VK0200's customizability allows system integrators to fulfill diverse applications with ease. The hardware supports two button sizes that can form 125 layout combinations of 6 to 12 buttons, while the VK6000 software provides versatile modes for each button: normal, toggle, press and release, and long press. Furthermore, the swappable buttons allow the keypad layout to be changed even when it's online and mounted to the wall. This superior flexibility facilitates system integrators who ne |
| **Single Cable Installation** | The VK0200's LAN port supports Power over Ethernet (PoE) that allows both data and electric power to be transmitted over one single Ethernet cable, eliminating the need of an extra power source and extra wiring. For applications that require power redundancy or direct electrical supply, the VK0200 can also be powered via a 5 VDC power adapter. |

# Specifications

| Function | VK0200 |
|---|---|
| **Interfaces** | |
| Keypad Layout | 6~12 buttons customizable in 125 keypad layouts |
| Serial | • 2 x Bi-directional RS-232 Port<br>(2 x 3-Pole Terminal Block Connector);<br>– Baud Rate: 300 to 115200 (default: 9600);<br>– Data Bit: 8 (default) or 7;<br>– Stop Bit: 1 (default) or 2;<br>– Parity: None (default), even or odd |
| Relay | • 2 x Relay Channel (2 x 2-Pole Terminal Block Connector);<br>• Normally open, isolated Relays;<br>• Contact Rating: Max 24 VDC, 1A |
| I/O | • 1 x Digital Input Channel<br>(1 x 2-Pole Terminal Block Connector);<br>– VDC Mode<br>Input Voltage Range: 0 to 5 VDC;<br>Programmable Range: 1 to 5 VDC;<br>– Dry Contact Mode<br>Pull-up 2k ohms to + 5 VDC |
| Ethernet | • 1 x RJ-45 Female, 10/100Base-T<br>• Supported Protocol: ARP, ICMP, TCP/IP, DHCP, HTTPS, SSH<br>• DHCP-enabled. The following default IP settings will be used if no IP is assigned within 30 seconds:<br>IP: 192.168.0.60<br>Subnet Mask: 255.255.255.0 |
| **Switches** | |
| Controller ID | 1 x 16-segment Switch |
| **Reset Button** | 1 x Semi-recessed Pushbutton |
| **Power Consumption** | DC5V: 1.15W (adapter); DC48V: 1.44W (PoE, PoE 802.3 AF/AT compatibility) |
| **Environmental** | |
| Operating Temperature | 0 - 50°C |
| Storage Temperature | -20 - 60°C |
| Humidity | 0 - 80% RH, Non-Condensing |
| **Physical Properties** | |
| Housing | Plastic |
| Weight | 0.19 kg |
| Dimensions (L x W x H) | 8.32 x 14.76 x 4.80 cm |
| Faceplate Dimension (L x W x H) | 8.62 x 15.12 x 0.92 cm |

*Product information is subject to change without prior notice.*

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