



Key Features

- Stylish low-profile faceplate with magnetic attachment.
- Integrated mounting wings for easy installation.
- Full color TFT LCD to display custom buttons, text, graphics, animations, and video.
- Displays composite or S-video either full screen or in an adjustable size window.
- Integrated 10/100Base-T Ethernet port.
- Adjustable backlight brightness.
- Light sensor for automatic backlight level.
- Stereo speakers.
- Plasma friendly Infrared receiver for command pass-through.
- IR output port drives up to 1000 feet of wire.
- Two power status input ports.
- Completely customizable, programmable and upgradeable.
- Optional 'Voltage' and 'Video' power sensing modules.
- Optional interface for RS-232-controlled equipment.
- Non-volatile Flash memory stores your program even when power is lost.
- Easy-to-use Windows based software for programming and customization.
- Field upgradeable firmware.
- USB Programming.

K4 Universal Controller

The K4 is a color LCD touchpanel designed for flush-mount installations in walls or cabinets. It provides a self-contained control system for controlling audio/video components, lights, or other electronic systems in the home. It also displays composite video, motion JPEG, and web pages – either full screen or in an adjustable window.

The K4 has it all – it's the first stand- alone touchpanel with infrared control, video monitoring, and Ethernet connectivity. With a TFT LCD, full VGA resolution, powerful 400MHz 32-bit MCU, 32 MB of memory, stereo speakers, and an infrared receiver, the K4 takes touchpanel control to new heights.

Description

The K4 is an advanced universal system controller that mounts in a wall. Its design maintains the perfect balance between display size and resolution. At 6.4 inches the LCD is small enough to blend into a room's interior, yet it provides the full VGA resolution necessary for displaying video windows and web pages. The K4 interface is fully programmable using RTI's TheaterTouch™ Designer software, making it easy to display custom buttons, text, graphics, and animations.

The K4 can directly control almost any audio/video component or lighting system up to 1000 feet away using its infrared output port. In addition, the built-in Ethernet port allows the K4 to display video from network security cameras, access the Internet, view and play songs stored on hard drive music servers, and control other devices on the network. An optional built-in video card provides the ability to digitize composite or S-video for full screen or scalable viewing on any control page.

The K4 can be used as a stand-alone device or as part of an expandable central control system. When used with the available RTI accessory devices, the K4 is capable of infrared routing, relay control, power sensing, and RS-232 communications for advanced control.

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Specifications

Power	16 VDC, 1Amp max
Power Management	Adjustable backlight brightness/power down time
Touchscreen Display	High-brightness color TFT LCD Full VGA (640 x 480 pixels) with 65K colors 300:1 contrast ratio Integrated high-resolution resistive touchscreen
Display Size	6.4 in. (162mm) diagonal
Display Backlight	Dual CCFL, 300nit
Infrared Output Port	200mA output Drives up to 1000 feet (300 meters) of wire
Ethernet Port	10/100Base-T
Operating Temperature	+32° F to +122° F (0° C to +50° C)
Operating Humidity	5% to 95% Non-condensing
Total System Memory	32MByte Flash (non-volatile) memory
Device Capability	Total number of devices is limited only by memory
Macro Capability	Up to 64 steps in a single macro Total number of macros is limited only by memory Macro capability on every button
Communications	USB programming port
Video Input	4 Composite or 2 S-Video BNC Connectors, NTSC/PAL/SECAM
Enclosure	Formed steel, black powder coating
Front Plate	High-impact molded ABS plastic, white
Mounting	Integrated mounting wings, or screws through front bezel
Installation Cut-Out (W x H)	8.25 in. (210mm) x 5.5 in. (140mm)
Total Depth in Wall	2.25 in. (57mm)
Weight	2.6 lbs (1180g)
Warranty	One Year (Parts & Labor)

All specifications subject to change without notice.



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Accessories

- CV-4 Connecting Block**
- RP-6 Remote Control Processor**
- RM-433 RF Receiver**
- CM-232 Communication Module**
- VPS-1 Voltage Power Sensor**
- SPS-1 Video Sync Power Sensor**



- BZB-K4 Black Colored Bezel**
- BZA-K4 Almond Colored Bezel**

Other RTI Products

- T1 Universal System Controller**
- T2+ Universal System Controller**
- T3 Universal System Controller**
- T4 Universal System Controller**
- RK3 In Wall Universal Controller**
- U1 Waterproof Controller**
- IR-PRO Infrared Capture System**



TheaterTouch Designer™ Programming Software

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