



## AX-KPC2.8 Touchscreen

The Axiom KPC2.8 keypad is a programmable 2.8" colour LCD Touch screen. Being capable of learning and sending IR commands the KPC2.8 can be used as a standalone keypad to control virtually any IR controlled device.

When the KPC 2.8 is used with an Axiom Multi-Zone Amplifier full 2-way feedback of source selection, power, mute & volume status is provided.

Full 2-way RS232 control is available on the KPC 2.8 when used with the Axiom AX-R4 RS232 router and the prebuilt Axiom applets.

Setup by the Axiom Keypad Manager software, the KPC2.8 includes a host of features to simplify programming and enhance amplifier and source equipment control.



## Specifications & Features

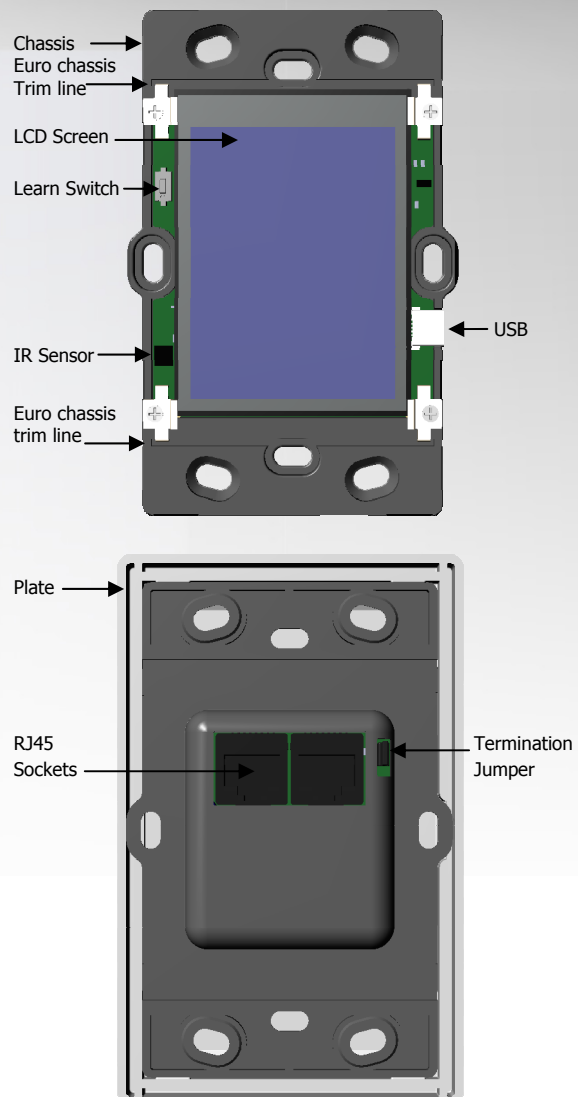
- 2.8" LCD touch panel
  - Contrast ratio = 500:1
  - Viewing angle = 160° (H & V)
  - 240 (RGB) x 320 Dot 64K Colours.
- Operating voltage: 12VDC ± 3V.
- Current draw typically 60mA – 100mA.
- Memory: 8Mbytes Flash for GUI and IR commands.
- IR learning of both Modulated and Pulse IR codes. Modulation frequencies up to 500 KHz.
- Large IR database supplied. IR codes using the 'HEX' code format may be imported into Axiom keypad manager program.
- Portrait or Landscape display orientations.
- Full featured conditional flow macro functions.
- User defined button sounds: wav file
- Range of Skins available for graphical user interface (GUI)
- Single touch Control types: Animated Buttons, Buttons with feedback, Sliders, Numeric Readouts and Applets providing control & Metadata display.
- Support for Transparent and multilayer images.
- Background images using PNG, BMP, JPG or GIF formats may be imported and scaled.
- Anti-aliased Text with user defined Font, Colour and Unicode support.
- Polygon button outlines provide very close button spacing.
- 2 Way RS232, Ethernet and IR routing when used with the Axiom AX-R4 and supplied Applets.
- Current Applets: more to follow

Clock	Slideshow
Axiom Alarm Setup	T118RDS Tuner
Integra Tuner, CD & DVD, Receiver (Z2- Z4), iPod Dock.	Vantage Lighting Vantage DMM
Autonomic Music server	Request DMS
Sonance iPod Docking station	DLO iPod docking station
C-Bus Lighting	Luxom Lighting
NEC Projector	

- Wiring: Up to 300m CAT5E 'Home Run' RJ45 terminated cable with option to daisy chain to another keypad.
- Mounting for European or Australasian / USA style flush box.
- White & Black cover plates supplied for both European and Australasian / USA styles.

Dimensions	Australasian / USA	European
Width	75mm (2.95")	89.75mm
Height	120mm (4.72")	89.75mm
Plate Depth	8.75mm (0.34")	8.75mm
Mounting Depth	14.5mm (0.57")	14.5mm
Wall Cutout	46 x 53mm (1.8" x 2.09")	Set by flush box

## Parts Guide



## Software Installation and Programming

The Axiom Keypad Manager Software is exclusively used to compile the keypad configuration (programming) and firmware update the KPC2.8. The program runs on a Windows XP or Windows Vista PC. Axiom Keypad Manager Installer and Help Document are provided on the product CD. Updates are available from the Axiom website: [www.axium.co.nz](http://www.axium.co.nz)

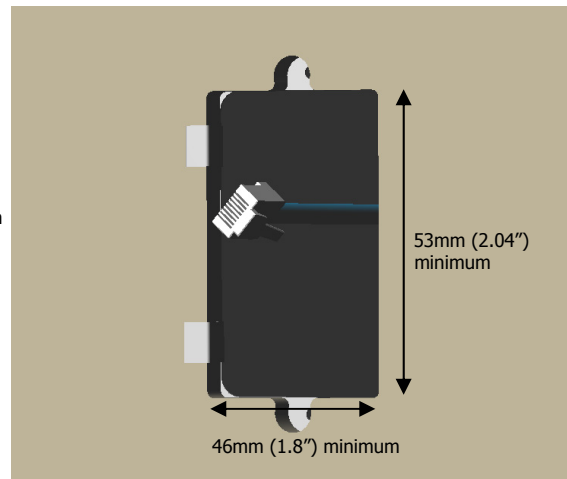
Run the AKM installer from the product CD. When first connecting the KPC 2.8 via USB (KPC2.8 must be powered), windows detects the new device (KPC 2.8) and runs the 'Found New Hardware Wizard'. Select; Install the software automatically (Recommended).

Once connected the KPC 2.8 may be uploaded with a Keypad configuration, or the Keypad's configuration may be downloaded to AKM.



## Installation

- The KPC2.8 chassis mounts directly to the wall surface
- Requires a standard single gang flush box for fixing.
  - Cut out the required hole in the wall above the flush box
  - Terminate an RJ45 plug to the CAT5E cable – see wiring below
  - Connect the RJ45 plug to the KPC2.8
  - Secure the keypad in position using the supplied Flush-box screws
  - Connect the USB lead to a PC running Axiom keypad manager, Power the keypad via the CAT5E cable – requires remote termination to either an Axiom multi-zone amplifier, EX4 or AX-R4, and Program the keypad with the required keypad configuration.
  - Clip the Cover plate into position.



## Wiring

Use CAT5E 'home runs' with a maximum length of 300m. Terminate with a RJ45 plug. Use the standard 568-B colour code



Pin	Wire Colour	Keypad function
1	White/Orange	+12V DC
2	Orange	0V
3	White/Green	IR output
4	Blue	A (RS485)
5	White/Blue	B (RS485) / Data
6	Green	0V
7	White/Brown	nc
8	Brown	nc

## For U.S. models FCC information for User

### CAUTION:

The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.  
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

## For Australia and New Zealand models THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CISPR 22:2008

**For European models**  
THIS CLASS B DIGITAL APPARATUS COMPLIES WITH THE EMC DIRECTIVE: 2004/108/EC.  
CONFORMING TO EN55022, EN55024, EN61000-3-3, EN61000-6-1 & EN61000-6-3

