



AX-KPD

The Axiom KPD keypad is a fully programmable 1.5" colour LCD Keypad with eight soft-keys and an IR receiver.

Being capable of learning and sending IR commands the KPD can be used as a standalone keypad to control virtually any IR controlled device.

When the KPD is used with an Axiom multi-zone amplifier, full 2-way feedback of source selection, power, mute and volume status is provided.

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

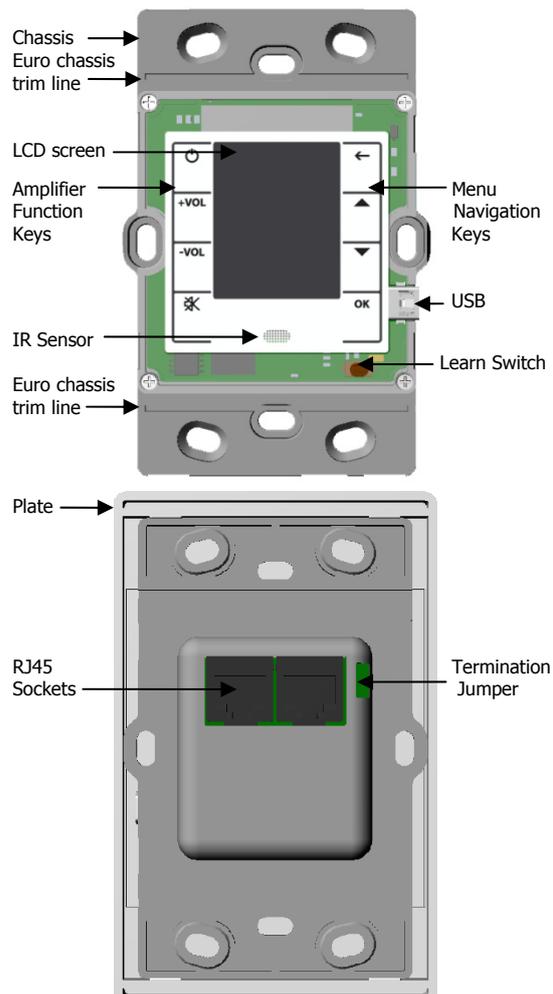
Setup by the Axiom Keypad manager software, the KPD includes a host of features to simplify programming and enhance amplifier and source equipment control.

Specifications & Features

- 1.5" colour TFT LCD
 - Contrast ratio = 200:1
 - Viewing angle = 45° (H & V)
 - 240 (RGB) x 320 Dot
 - 64K Colours
- Operating voltage = 12VDC ± 3V
- Current draw typically 100mA, Maximum = 140mA
- Memory: 4Mbytes Flash for GUI and IR commands.
- IR learning for Modulated IR codes.
- Large IR database supplied, IR codes using the 'HEX' code format may be imported into Axiom keypad manager program.
- Full featured conditional flow macro functions.
- Anti-aliased Text with user defined Font, Colour and Unicode support.
- Background images may be imported and scaled. Supports BMP, JPG, PNG, and GIF formats.
- Keypad firmware updated using Axiom Keypad Manager Program.
- 2 way RS232 and IR routing when used with the Axiom AX-R4 and supplied Applets. Current Applets:
 - Integra Tuner, CD/DVD & Receiver including Z2 and Z3.
 - Sonance I-Port docking station.
 - Axiom Alarm, Clock, and Setup
 - BMB T118 RDS Tuner
 - More Applets available
- Wiring: Up to 300m of CAT5E 'Home run' cable.
- Connection: RJ45 plug.
- Mounting for European or Australasian / USA style flush box.
- White & Black cover plates & lenses supplied for both European and Australasian / USA styles.

Dimensions	Australasian / USA	European
Width	75mm (2.95")	89.75mm
Height	119.5mm (4.7")	89.75mm
Plate Depth	7.9mm (0.31")	7.9mm
Mounting Depth	14.5mm (0.57")	14.5mm
Wall Cutout	45mm (1.77") x 75mm (2.95")	Set by flush box

Parts Guide

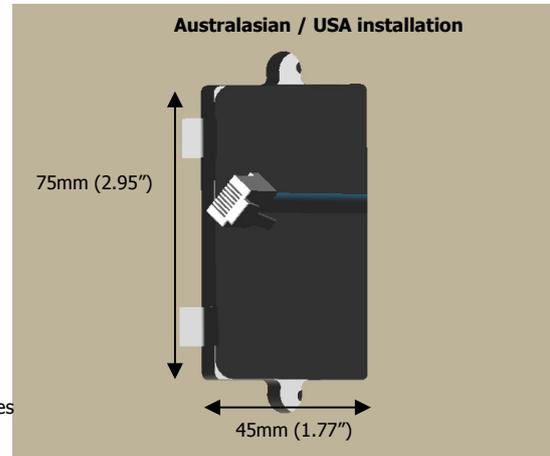


Software Installation and Programming

The Axiom Keypad Manager Software is exclusively used to compile the keypad configuration (programming) and firmware update. The Axiom software suite runs on a Windows XP, Windows 7 or Windows Vista PC, and may be downloaded from the Axiom website: <http://axium.co.nz/Downloads>
Run the Axiom Software Suite installer. When first connecting the KPD via USB (KPD must be powered), windows detects the new device (KPD) and runs the 'Found New Hardware Wizard'. Select; Install the software automatically (Recommended).

Installation

- The KPD 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 KPD.
 - 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.
 - Program the keypad with the required keypad configuration.
 - Clip the Cover plate into position.
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- If installing into the European back box and using the square Euro Plates
The KPD chassis must have the excess mounting flanges removed.
This can be done by cutting through the plastic side into the Euro trim lines then bending and breaking away the mounting flanges.
Note: The mounting screws are orientated on the sides of the chassis.



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

