

KP4.6

Installation & User Guide



Jamo®

Congratulations

Congratulations on your new Jamo KP4.6 keypad.

The many different options and features of your new keypad will be a source of pleasure for you for many years to come.

The KP4.6 can be used with any A-BUS* equipment or the Jamo AVD4.6 system which is a distributed, multi-room home entertainment system capable of delivering high quality audio and video** to multiple rooms and locations in your home.

After it is installed, you have access to all your centrally located audio and video equipment through stylish wall-mounted control panels or remote controls from each location with a control panel installed. Sound is delivered to in-wall or ceiling speakers (or conventional speakers if preferred) and video is delivered to televisions or monitors.

* A-BUS is a registered trademark of LeisureTech Pty Ltd Australia.

**Video distribution requires the optional VM4.6 module installed.



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Important

When installing the KP4.6 in a J box all knock outs must be removed to provide ventilation.

Do not install the KP4.6 in a double gang box that also has electrical installation in it. If installed next to electrical installation either a barrier-box or two single gang boxes must be used.

Do not install the KP4.6 where it can be exposed to direct sun light or strong fluorescent tubes as both can interfere with IR remote controls.

Do not install the KP4.6 close to a plasma TV as they can also interfere with IR remote controls. A distance of 15 feet is safe with most plasma TV's.

Do not install the KP4.6 close to dimmer switches as they generate noise.

Do not install the KP4.6 in areas with high humidity or outdoors.

Do not install the KP4.6 within line of sight to another KP4.6. This could make it difficult to control each zone separately with a remote control.

Do not install the KP4.6 within line of sight to the source equipment. This could interfere with the operation of the source equipment if receiving IR commands directly and through the KP4.6.

The KP4.6 operates on 24V DC supplied through the CAT5e cable and can therefore often be installed in locations only permitted for Extra Low Voltage (ELV) equipment. If in doubt, check the wiring regulation for your application in your area.

Pre-installation

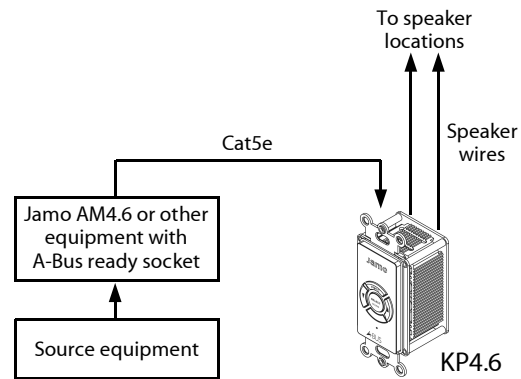


Fig. 1

The KP4.6 connects to an A-BUS output with a Cat5e cable. Standard speaker wires connects the KP4.6 to a pair of speakers. Speakers from 4 to 8 ohm with a sensitivity of min. 88dB should be used. All Jamo speakers match these specifications.

Pre-installation

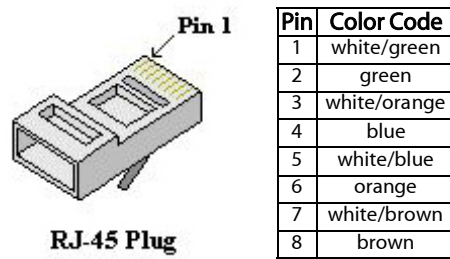


Fig. 2

The Cat5e should be terminated in the RJ45 plug as per T-568A standard. Fig. 2.

Pre-installation

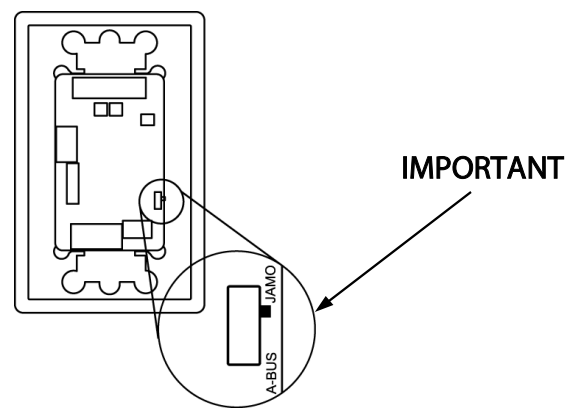


Fig. 3

The KP4.6 can be switched between normal A-BUS or enhanced Jamo A-BUS mode. The A-BUS position is for use with other A-BUS equipment. The Jamo position is for use with Jamo AM4.6 and gives extra functions. The switch **MUST** be set in the correct position, or the KP4.6 **will not work**.

Installation

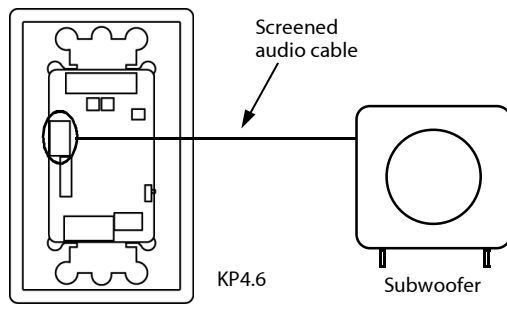


Fig. 4

The KP4.6 has a preamp output for external equipment (powered subwoofer or amplifier). Use a screened audio cable for connection.

Installation

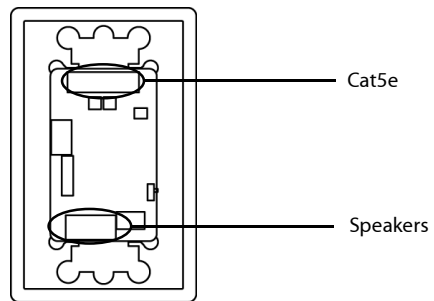


Fig. 5

Connect the Cat5e cable to the screw terminals with a phillips screwdriver .
Fig. 4.

Next connect the speaker wires to the screw terminals with a phillips screwdriver. Fig. 4.

Make sure to follow the color coding for both Cat5e cable and speaker wires

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Installation

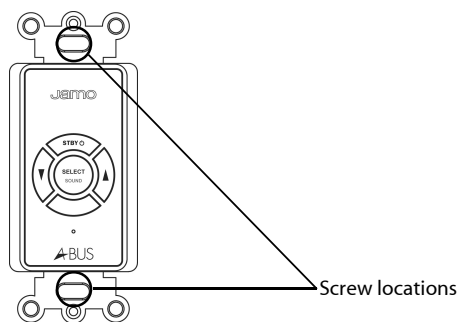


Fig. 6

Install the KP4.6 in a single-gang 2" or deeper J box or in a P ring with the 2 supplied screws.
Fig. 5.

Install any decora style faceplate on to the KP4.6 module (not included).

Operation

Volume adjustment

The LED blinks orange when adjusting volume up and down. When reaching full volume the LED blinks red. When reaching minimum volume (Mute) the LED blinks green.

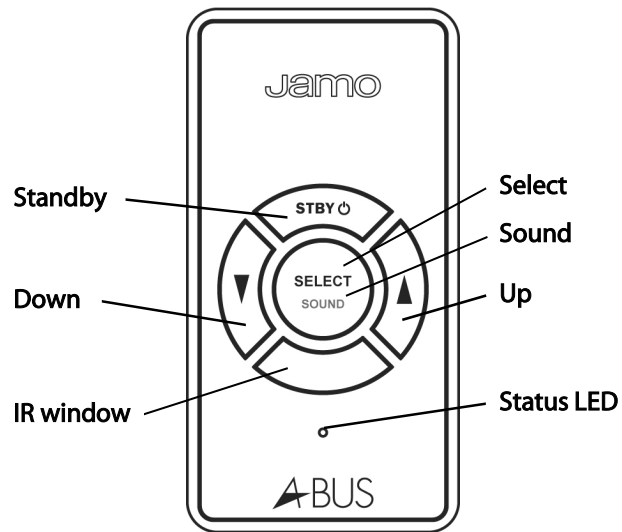
Sound adjustments

To enter Sound Adjustments push and hold Sound (4 sec.) to reach the desired function. The LED blinks red once for Bass, twice for Treble, three times for Balance and four times for Fader. If still held it will return to Bass and cycle through again. Start to adjust the desired function within 2 sec. or the system goes back to volume adjustment (LED green).

When adjusting Bass, Treble, Balance and Fader the LED blinks orange. The led blinks red when reaching the top or bottom end and blinks green at the mid point (no adjustment to sound).

If no adjustment is made the system will automatically go back to volume adjustment (LED green) after 2 sec.

Operation



Standby	Short push to turn keypad/system on. Short push to turn keypad off. Long push (approx. 2 sec.) to turn system off (ALL OFF)*
Down	Adjusts volume, bass and treble down Adjusts balance to left and fader to sub-woofer/amplifier
IR Window	Receives signals from remote controls Blinks red to indicate signal received
Select	Short push to change source*
Sound	Long push (4 sec.) to enter Sound Adjustment functions
Up	Adjusts volume, bass and treble up Adjusts balance to right and fader to main speakers
LED	Keypad on: Solid green Keypad off: Off Keypad in mute: Blinks green Adjusting volume or sound: Blinks orange End points on volume or sound: Blinks red Change source: Blinks twice for each push Sound adjustment functions: Blinks red

*Only in Jamo enhanced A-BUS mode. See page 7.

Specifications

Input impedance	45k ohm
Frequency response	20Hz - 20kHz +/- 1dB
THD	<0.2% @ 1W, 20Hz - 20kHz
S/N ratio	> 80dB 'A' weighted
Volume control range	- 80dB, 32 steps
Bass control range	+/- 16dB, 2dB steps
Treble control range	+/- 16dB, 2dB steps
Balance control range	+/- 40dB, 9 steps each way
Fader control range	+/- 40dB, 9 steps each way
Preamp out	Variable level, follows volume setting
IR pass through	34 - 40kHz and 54 - 58kHz modulation freq.
Speaker impedance	4 - 8 ohm
Power requirement	24 V DC @ 1 A max

Limited Warranty

The warranty period will come into force as from the purchase date stated on the invoice. The warranty will apply for 2 years.

In case of warranty inquiries, please contact your dealer.

In case of request for service under warranty, enclose the original receipt.

Defects covered by the warranty:

Except for the defects stated below, the warranty covers any production and material defects of the product.

Defects not covered by the warranty:

- Defects arising from accidents, misuse, normal wear and tear, mis-maintenance, voltage variation, stroke of lightning, and other force major events.
- Defects arising from incorrect installation or operation.
- Defects arising from modification/repair/attempt of repair by a non-authorized service center or person.
- Defects arising from the use of non-original spare parts.
- Defects on products with altered or lacking serial number.
- Other defects due to conditions or circumstances beyond the supplier's control

Transportation costs for servicing are not covered by the warranty.

The supplier is liable only to the repair or replace defective parts or products. A replacement cannot exceed the value of the product under warranty.



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