

LKP4.6

Installation & User Guide



Jamo®

Congratulations

Congratulations on your new Jamo LKP4.6 learnable keypad.

The LKP4.6 is a sophisticated learning keypad which adds convenient wall mounted source control to the Jamo AVD4.6 multi-room A-BUS system.

The LKP4.6 is connected and installed next to the KP4.6 amplified keypad. The source equipments IR codes are learned from the individual source equipments remote controls into the Jamo LRC4.6 learnable remote control. Source and button names as well as macros are also programmed in the LRC4.6 remote. All data are then cloned into each LKP4.6 keypad.

In addition to source control functions, the LKP4.6 keypad incorporates Clock, Alarm and Sleep timer functions and provides an LCD screen that displays time, date, source and other useful information.

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

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Important

The LKP4.6 is installed together with the KP4.6 in a double gang J box. All knock outs should be removed to provide ventilation.

Do not install the LKP4.6/KP4.6 in a box that also has electrical installation in it. If installed next to electrical installation either a barrier-box or two boxes must be used. Also, do not install the LKP4.6/KP4.6 close to dimmer switches as they generate noise.

Do not install the LKP4.6/KP4.6 where it can be exposed to direct sunlight or strong fluorescent tubes as both can interfere with IR remote controls. Also, do not install the LKP4.6/KP4.6 close to a plasma TV as they can also interfere with IR remote controls. A distance of 15 feet (4.5 meter) is safe with most plasma TV's.

Do not install the LKP4.6/KP4.6 in areas with high humidity or outdoors.

Do not install the LKP4.6/KP4.6 within line of sight to another LKP4.6/KP4.6. This could make it difficult to control each zone separately with a remote control.

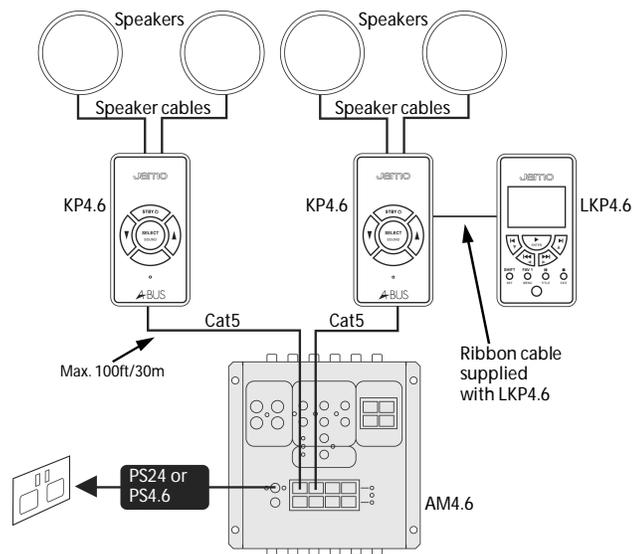
Do not install the LKP4.6/KP4.6 within line of sight to the source equipment. This could interfere with the operation of the source equipment if receiving IR commands directly and through the KP4.6.

The LKP4.6/KP4.6 operates on 24V DC supplied through the CAT5 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.

Installation

The LKP4.6 can be installed together with any KP4.6 in the system, both main zones and sub-zones.

Example of wiring diagram below of two main zones with an LKP4.6 in one of the zones.

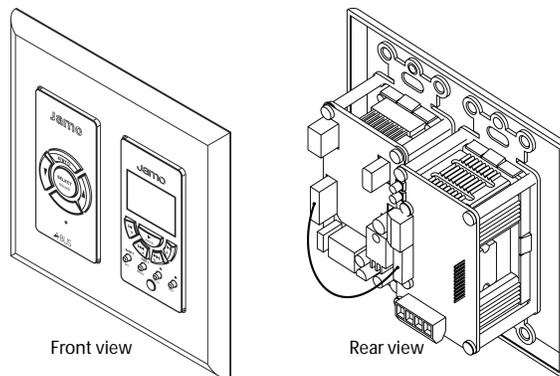


Installation

The LKP4.6 is installed together with the KP4.6 in a double gang J box. A double decora style face plate (not included) is placed over the front as shown.

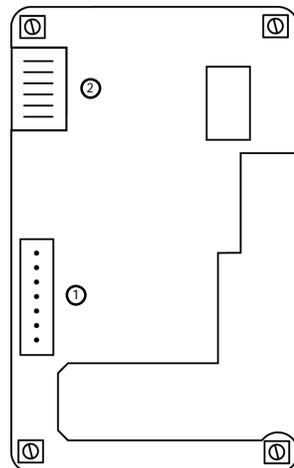
The LKP4.6 is connected to the KP4.6 using the supplied ribbon cable.

The KP4.6 is connected to the AM4.6 hub via a Cat5 cable as described in the AVD4.6 and KP4.6 installation guides.



Installation

LKP4.6 rear panel connections.



1. KP4.6 Connector

Connects to the KP4.6 with the supplied cable.

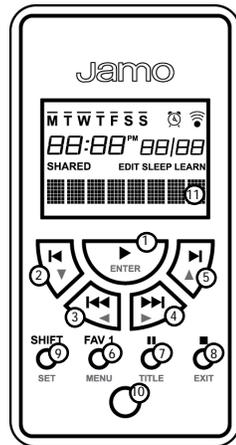
2. I.C.P.

In-circuit programming socket. Used to upload software during manufacturing.

Controls

All keys have dual functions (primary and secondary). Primary functions are indicated with black text or symbols and secondary functions with grey text or symbols. See page 13 for switching between primary and secondary functions.

Buttons 1-8 contain IR codes or macros that are cloned from an LRC4.6. The displayed text or symbols for the buttons are also programmed in the remote. Below is an example on how the buttons could be programmed and named for a DVD player (max. 8 characters for names).



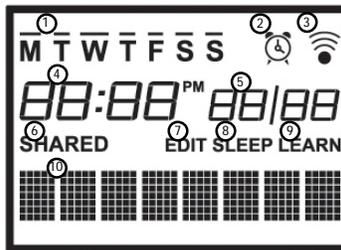
- 1 Play / Enter
- 2 Fast reverse / Down
- 3 Previous chapter / Left
- 4 Next chapter / Right
- 5 Fast forward / Up
- 6 Power / Menu
- 7 Pause / Title
- 8 Stop / Exit

- 9 SHIFT / SET (settings)
- 10 Cloning Port
- 11 Display Screen

The FAV 1 (favorite) button in this example has been programmed to be the Power button.

Note: The functions of buttons 1-8 only operates after the LKP4.6 has been cloned from the LRC4.6.

Display



1. Week days. Bar over letter indicates day of week.
2. Alarm icon. Displayed when alarm is set.
3. IR. Indicates IR signal is sent from the LKP4.6.
4. Time. PM is used when set for 12 hour clock (page 17).
5. Date. Month/Date or Date/Month (page 17).
6. Shared. Displayed when sharing source with another zone connected to the same AM4.6 hub.
7. Edit. Displayed when in edit mode (settings menu).
8. Sleep. Displayed when sleep function is set (page 15).
9. Learn. Displayed when in learn/clone mode (page 18).
10. Name. Shows name or symbol of source or button.

Programming

Before the LKP4.6 can be used it must be programmed using an LRC4.6.

First.

- Teach IR codes and set macros in the LRC4.6.
- Name the sources and buttons in the LRC4.6.
- Set the time and date in the LRC4.6.

The user manual for the LRC4.6 gives full details on how to teach it IR codes and how to set up macros as well as naming sources and buttons.

Second.

- Clone the data from LRC4.6 remote into LKP4.6 keypads (page 11-12).

The LKP4.6 keypad does not learn IR codes directly.

The highlighted buttons (pictured to the right) are cloned to the buttons on the LKP4.6 with the same name. The # 1 button is cloned to the FAV 1 (favorite) button.

The names or symbols shown in the displays of the LRC4.6 remote and LKP4.6 keypad are programmed in the remote and will be cloned to the keypad.



Cloning

Step 1.
Remove the plug from the Cloning Port on the LKP4.6.

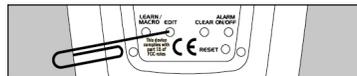
Step 2.
Insert the cloning cable (supplied with LRC4.6) into the Cloning Port on LKP4.6 and port on LRC4.6.

Step 3.
Put the LKP4.6 into Learn mode.



Press and hold the SET button. Release when LEARN? is displayed on the screen. READY will be displayed on the screen (see page 18).

Step 4.
Put the LRC4.6 into clone mode.



On the back of the LRC4.6 press the EDIT button 4 times (using a paperclip or similar). REC/TRX will appear in the remote display.

Cloning

Step 5.

Press the ◀ button on the remote until TRX is flashing.



Step 6.

Start cloning.

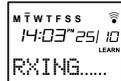
Press ENTER on the remote. Display shows SENDING.



Step 7.

Confirm the LKP4.6 is receiving.

RXING will be displayed to indicate it is receiving data.



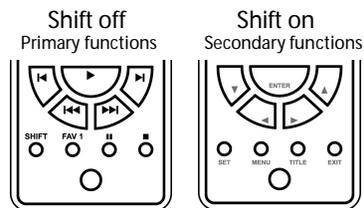
After approximately 7 minutes the keypad should show COMPLETE for a few seconds and return to normal operation. If the cloning fails the keypad will show ERROR or TIMEOUT. Wait until the remote is done sending data before repeating the process. Make sure cloning cable is firmly inserted. The cloning must be successful for the keypad to exit LEARN mode. You can not exit LEARN mode manually.

Note: See page 18 if keypad is locked in ERROR.

Operation

After the setup and cloning you can now operate the source equipment with the LKP4.6 as well as perform various timer functions.

The LKP4.6 will always be in primary functions unless changed by the user. Press the SHIFT button briefly to switch between primary and secondary functions of keys 1-8. The display will indicate SHIFT ON or SHFT OFF. If no buttons are pressed for 30 seconds in the SHIFT ON mode the LKP4.6 will automatically return to SHFT OFF mode (primary functions).



The secondary function SET on key 9 is entered by pressing and holding it for five seconds and will activate the settings menu. It will continue scrolling through the five options until the button is released. See pages 14-18 for instructions for each function.

Settings menu (key 9)



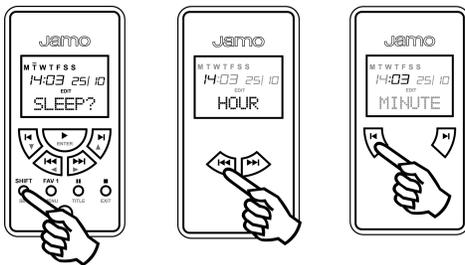
Sleep Function

Press and hold the SET button. Release when SLEEP? is displayed on the screen.

Use the ◀◀ and ▶▶ buttons to navigate the options.

Use the ◀ and ▶ buttons to adjust the option.

Press EXIT to return to normal operation.



This menu allows you to set a time when the LKP4.6 automatically turns off the zone or sub-zone it is located in.

Sleep? menu



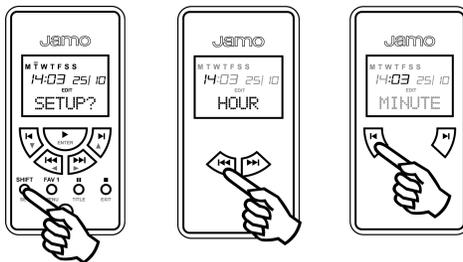
Setup Function

Press and hold the SET button. Release when SETUP? is displayed on the screen.

Use the ◀◀ and ▶▶ buttons to navigate the options.

Use the ◀ and ▶ buttons to adjust the option.

Press EXIT to return to normal operation.



This menu lets you set the time, date and year of the LKP4.6. The order of the month and date is set in the Config? menu (page 17).

Note: The time, date and year is set automatically to the time, date and year of the LRC4.6 during cloning (page 11-12).

Setup? menu



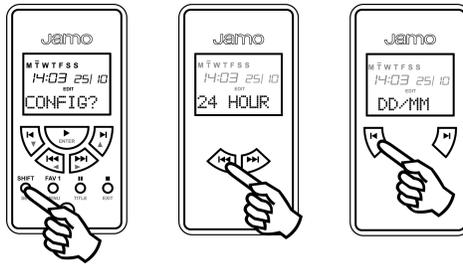
Configure Function

Press and hold the SET button. Release when CONFIG? is displayed on the screen.

Use the ◀◀ and ▶▶ buttons to navigate the options.

Use the ◀ and ▶ buttons to adjust the option.

Press EXIT to return to normal operation.



12/24 Hour: Sets the clock to 12 or 24 hour format.

DD/MM: Sets the display order of date and month.

LCD Brightness: Can be set to bright, dim or off.

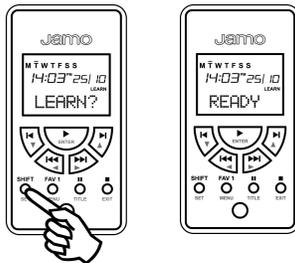
Config? menu



Learn Function

Press and hold the SET button. Release when LEARN? is displayed on the screen. READY will then be displayed.

See page 11 and 12 for detailed information on the learning/cloning function.



Specifications

Power requirement 24 V DC @ 150 mA max

Power is supplied from KP4.6 with the ribbon cable (incl.).

Troubleshooting

Should the keypad be locked in ERROR due to power interruption or other reason during cloning, proceed as follow:

1. Unplug power to the system and plug back in after 1 min.
2. When power resumes keypad displays distorted text.
3. Clone the LRC4.6 to the LKP4.6 without entering LEARN?
4. When LRC4.6 is done SENDING, repeat point 1 above.

Note: Time and date will not be updated in the LKP4.6.

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 replacement of defective parts or products. A replacement cannot exceed the value of the product under warranty.



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