

LMP Bluetooth Keypad 2 WKP-1644



USER MANUAL

Preface

Thank you for purchasing the LMP Bluetooth™ Keypad 2 WKP-1644! The LMP Keypad is specifically designed for the use with the Apple™ Magic keyboard (P/N A1644). You can also use it as a stand-alone numeric wireless keypad with MacBook series or any Bluetooth™-enabled Macintosh™ computer*.

All ™ are the property of their respective holders.



**Before using the keypad, read this manual and the FAQs carefully.
Keep the User Manual for future reference.**

* See package contents on system requirements. Bluetooth keypad does not work with iPad! Windows OS is not officially supported! Not all Bluetooth dongles may support the LMP Keypad 2 in all its functions! WKP-1644 does not work with iPad!
Keypad 2 Manual 1.0

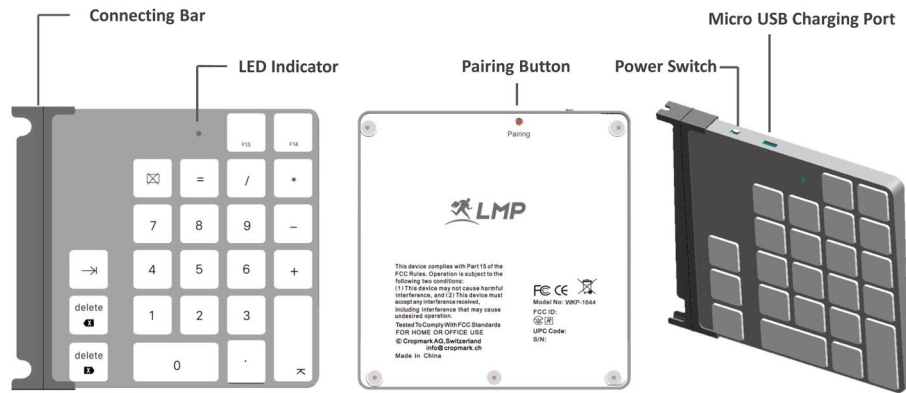
Key Features

- 23-key numeric wireless keypad for easy and fast working with figures, tables, calculations, spread sheets, etc.
- Bluetooth wireless technology for convenient wireless access to any Bluetooth-enabled MacBook™ series. No dongle or driver installation required!
- Connecting bar connects the WKP-1644 seamlessly with the Apple™ Magic keyboard (A1644) to form a full-size wireless keyboard – a perfect alternative solution to the full-size USB keyboard!
- Can be used as a stand-alone numeric wireless keypad with MacBook series or any Macintosh™ Bluetooth-enabled computer*
- Keys include 0 ~ 9, operation keys, decimal key “.” (or “,”)¹, hot-keys F13 ~ F14, tab, delete backward, delete forward, enter key.
- Broadcom Bluetooth chipset
- Power on/off, pairing button, LED status indicator
- Power by built-in rechargeable battery
- Scissor-type membrane keys with non-curved square keycaps for high comfort typing and reduced typing tiredness

¹ Works with built-in Bluetooth as well with most USB Bluetooth dongles. WKP-803 does not work with iPad! Windows OS is officially supported.

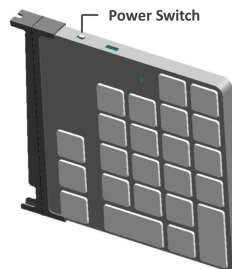
² Whether a “,” or a “.” is displayed is determined by the OS (country setting) in use, not on the LMP keypad 2 (WKP-1644)

Overview



Getting Started

- 1) Turn on LMP keypad by switching the lever to the "On" position. The LED indicator will be light up 3 times in green.



Make sure the built-in rechargeable battery is enough power to support keypad. If not, please use charging cable to charge Keypad.

- 1) Using charging cable (micro USB to USB); connect micro USB to micro USB port on Keypad, USB jack to USB port. LED indicates blue color and will turn off when battery is fully charged.



Bluetooth Pairing in Mac OS X



Make sure that you have Bluetooth support on your Macintosh™ and Mac OS X 10.5.x or higher installed. The keypad may work with older Mac OS X but it is not officially supported.

- 1) Choose the Apple™ menu and open the "System Preferences." Under "Internet & wireless communication" (OS X 10.6.x and higher)/ "Hardware" (OS X 10.5.x) you should see a Bluetooth icon. If you do not, your Mac does not have Bluetooth.
- 2) Enable Bluetooth™. Under "System Preferences" click the Bluetooth™ icon and make sure you see "Bluetooth: On" under the "Settings" tab. If it's not turned on, click "Turn Bluetooth On."
- 3) Click the "+" tab (set up new device) in the left window to pair a new Bluetooth™ device. The Bluetooth™ assistant opens. (With Mac OS X 10.5.x, the Bluetooth assistant may ask what kind of device you are going to pair. Choose "keypad" and click "continue"). Your computer searches automatically for new Bluetooth™ devices.
- 4) Press the Pairing Button on the backside of the keypad with a pen to set up a connection to your MacBook. The pairing LED starts to flash in green.
- 5) In the dialog box the device "LMP WKP-1644" will appear. If it is not listed, make sure that LMP keypad is turned on and in pairing mode. Then click "Search Again" in the "Bluetooth Device" dialog box.
- 6) Click on "LMP WKP-1644" and click "OK". The LMP keypad should be listed in the "Devices" tab under "Bluetooth Preferences." (with a green dot and as "connected")
- 7) The LMP Keypad is ready for work!

Using the Pairing Button

1) If you have used the keypad with another Macintosh™ computer or MacBook, you have to set up the keypad again. Follow steps 1 ~ 7 above.

Power Management



To save power, it is highly recommended to power off the keypad while the keypad won't be used for a long time or carrying with Macbook; The LMP Keypad has a power safe mode. Once you turn off your Macintosh™ the LMP Keypad will go to sleep in order to save battery power. To wake it up, press any key on the LMP Keypad.

1) To power off the LMP keypad, move the power lever to the "Off" position. You should see the message "lost connection" on your screen.

2) To power on the keypad again, move the power lever to the "On" position and LED indicator will flash 3 times in green. You may see the message "connected" on your screen or in the Bluetooth assistant. You can use the keypad again.

3) The LMP keypad greatly reduces the power consumption automatically when it is in idle mode (connected, but no keying). In fact, the power consumption in idle mode is only about 1/30 (about 0.1mA) of the consumption of the keying mode (typing on the LMP keypad; about 3mA). This feature greatly extends the battery life.

4) The LMP keypad displays a low-battery warning by flashing LED in the interval of 1 second on (green) and 1.5 seconds off (no LED). You should charge your keypad now to avoid any sudden loss of connection.

5) To charge your built-in rechargeable battery, turn off the LMP keypad, connect micro USB jack of charging cable to micro USB port on LMP keypad and USB jack to Macintosh™ computer or MacBook. The LED indicator will On in blue. If you do not get a new connection you may have to re-pair the LMP keypad. Follow steps 1 ~ 7 above.

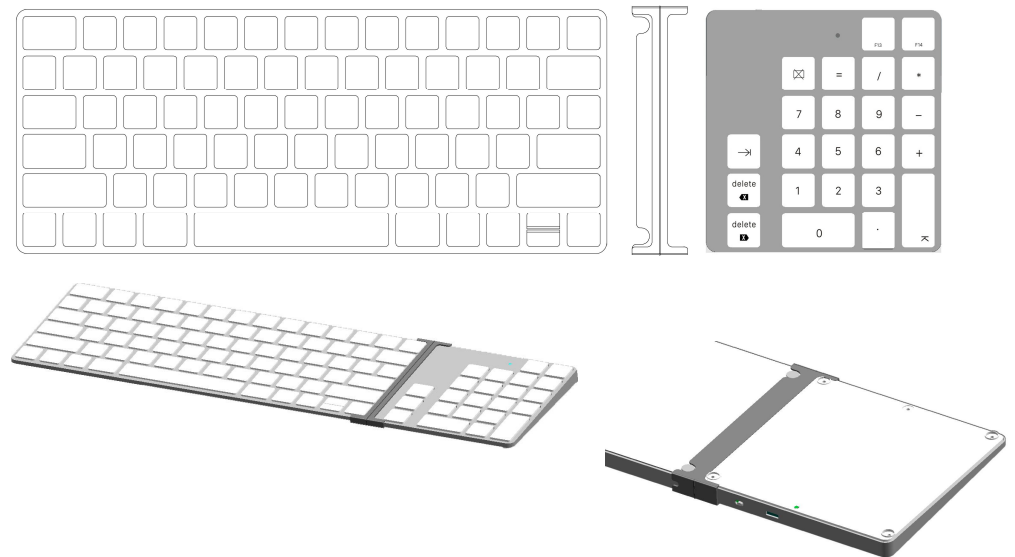
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The pairing time of LMP Keypad with your Macintosh™ computer normally just takes a few seconds. However, it may take up to 40 seconds with some Bluetooth™ dongles.

Connecting with the Apple™ Magic keyboard (A1644)

- 1) Connect the connection bar to the LMP Keypad on its left side by simply sliding it into the opening. It will nicely form a Keypad unit ready to be linked to the Apple™ Magic keyboard.
- 2) Connect the Keypad unit to your Apple™ Magic keyboard (A1644) by sliding the right side into the LMP Keypad unit as shown in figure below. You now have a full-size Bluetooth™ wireless keyboard ready for use!



Make sure the Apple™ Magic keyboard is firmly plugged into the LMP Keypad unit.

FAQs

1) The keypad shows an erratic behavior such as a sudden loss of connection, sleep mode after a short time (i.e. only a few seconds), no connection possible when trying to pair, etc.

Erratic behavior of the keypad can be a result of (too) low battery power. You should charge the battery now.

2) Short cuts with the cmd-key (i.e. "cmd+" (to enlarge) or "cmd-" (to downsize) in Pages) do not work when using the Apple™ Magic keyboard together with the keypad.

Keyboard and keypad are recognized by the Mac OS as two separate input devices. This means that a combination of the two input devices to form a single command is not possible.



The shortcut command must be exactly in line with the Mac OS X shortcut terminology!

3) On the screen, the message "lost connection" appears.

In order to save battery energy, the keypad goes automatically into sleep mode. Just press any key on the keypad and the connection is resumed within 1 ~ 3 seconds.

4) Can the keypad be connected with various Macintosh™ computers, i.e. an iMac and a MacBook, and switch back and forth?

No, the keypad can only be connected with one Macintosh™ computer at a time.

5) Can the battery power status be read in the Apple™ System Preferences like with the Apple™ wireless keyboard?

No, there is no reading for the current battery power status.

6) Can the sleep mode be altered or turned off?

No, the sleep mode cannot be changed or turned off. The sleep mode reduces the power consumption to about 1/30 of the stand-by mode. Consequently, the battery life is greatly extended.

7) When using the LMP Keypad with my iPad it does not work properly.

The LMP Keypad is specifically designed to work with desktop or portable Macintosh™ computers. It does not support iPad which is clearly stated on the packaging.

8) On the LMP Keypad, there is a "." (decimal) key. In my language, the ";," is used as the decimal sign. Will the LMP Keypad display a "." or a ";,"?

Whether the LMP Keypad displays a (decimal) "." or a (decimal) ";," depends on the Mac OS installed (keyboard layout/language), i.e. in French OS/keyboard layout, the decimal key displays a ";," while in Swiss OS/keyboard layout, a "." is displayed.

9) During the pairing process with the Macintosh™, there is a window displayed called "Keyboard identification". I am supposed to press the key next to the shift key. But there is no shift key on the LMP Keypad. What do I need to do?

The message can be ignored. Simply press the red button in the upper left corner to close this window. Your Macintosh™ will recognize the LMP Keypad.

10) The connection to my Mac is lost from time to time or lost completely. The Bluetooth Keypad does not seem to be connected anymore to my Mac. This happened after I updated the OS.

An update of the OS can lead to a damaged Bluetooth thread as well as other reasons such as interferences from other electronic devices or system crashes. Follow these steps to renew the Bluetooth connection:

- 1) Remove all entries of "LMP WKP-1644 or Bluetooth Keypad" in the Bluetooth Assistant's menu by selecting them and pressing the "-" button in the lower left corner.
- 2) Turn off the Mac and Bluetooth Keypad.
- 3) Start your Mac and turn it off again (after the OS has booted without any entries of the Bluetooth Keypad in its Bluetooth directory).
- 4) Start your Mac again and install the Bluetooth Keypad from scratch. The connection should be re-established.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.**

Federal Communication Commission Interference Statement

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.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.

- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

LMP Bluetooth Keypad 2, WKP-1644



WKP-1644, ultra-slim Bluetooth 23-keys numeric keypad is specially designed for Magic Bluetooth keyboard, A1644. Thanks its smart design, it can connect with Apple Magic Keyboard, A1644. Furthermore, it also equip Tab, backward delete and forward delete keys which are very user's friendly for using excel application software.

Key Number	23 keys including F13, F14, Tab, Back & Forward delete keys		
Tx Technology	Bluetooth [®] wireless technology, V3.0		
Antenna/ Antenna Gain	PCB antenna / -0.99dBi		
Frequency/ Channels	2.402Ghz ~ 2.480Ghz/ 79 channels		
Modulation	GFSK (Differential phase shift keying)		
Output Power	Normal mode (GFSK): -0.61 dBm		
Data Rate / Sensitivity	Up to 2.1Mbps / <0.1% BER at -70dBm		
Operating Range	Up to 8 M (Free space)		
Key Switch	Scissor-type Membrane with 5 million life cycle time		
Key Force/ Traveling	60 +/- 7 gm; 1.3 +/- 0.2 mm		
LED Indicator	Pairing (blinking in green), Charging (solid blue) and Low battery (blinking slowly in green)		
Buttons / Charging Port	1 x power slide switch, 1 x pairing button / Micro USB port (for charging)		
Input Power	3.7VDC, 350mAh (built-in rechargeable Battery)		
Operating Temperature	0 to 50 degrees Celsius (10% to 95% RH, 25 degree Celsius)		
Storage Temperature	-10 to 65 degrees Celsius (5% to 90% RH, 25 degree Celsius)		
Dimension (mm)/ Weight	126.4 (L) x 114.5 (W) x 12.4 ~ 6.6 (H)/ TBD		
Compatibility	Compatible with Mac OS 10.5.8 or higher		
Accessories	1 x Linkage Bar, 1 x Micro USB to USB charging cable , 1 x User's manual		

