

Bluetooth[®] Membrane Keyboard

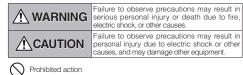
TK-FBM023E series User's Manual

Thank you for purchasing the ELECOM Bluetooth® Membrane Keyboard. This product employs an English keyboard layout and Bluetooth® wireless technology

This manual describes the operating instructions and safety precautions for using this product. Ensure that you have read this manual before using the product. After reading this manual, store it somewhere safe for future

* Except in certain cases, the TK-FBM023E Series is referred to as "this product" in this manual.

Meaning of symbols



Mandatory action

Situation that needs attention

Notes and reference information

Package Contents

This product's packaging contains the items listed below. Before using the product, check that all items are present. We make every effort to ensure that all products are packaged correctly. However, in the event that an item is missing or damaged, contact the retailer from whom you purchased the product.

- Keyboard x1
- AAA alkaline battery x2
- Stand x1
- User's Manual x⁻

Part Names

Function kev

I-Volume 🖯

+ Volume +

ncrease the system volume

▶/II Playback/Pause

gets low during use.

√× Mute

Safety Precautions

Observe these precautions carefully to avoid personal injury, damage, fire, and other problems

WARNING

If a foreign object (water, metal chip, etc.) enters the product, immediately stop using the product and remove the batteries from the keyboard. If you continue to use the product under these conditions, it may cause a fire or electric shock. If an abnormality is found with this product (emission of heat, smoke or abnormal smell from the product), immediately stop using the product, shut down connected devices, and after thoroughly checking that heat from the product will not cause burns, remove the batteries from the keyboard. After doing this, contact the retailer from whom you purchased the product. If you product in you 0 continue to use the product under these conditions, it may cause

a fire or electric shock. Do not drop or hit this product. \bigcirc If this product is damaged, immediately stop using it, turn it off, and remove the batteries.

If you continue to use the product in a damaged condition, it may cause a fire or electric shock

Do not attempt to disassemble, modify or repair this product by yourself. Doing so may cause a fire, electric shock, or product damage and may void the warranty.

Do not put this product in fire, as the product may burst, resulting in a fire or injury. \bigcirc

Do not place this product in any of the following environments:
 In a car exposed to sunlight, a place exposed to direct sunlight, or place that becomes not (around a heater, etc.)
 In a moist place or a place where condensation may occur

- In an uneven place or a place exposed to vibration . In a place where a magnetic field is generated (near a magne
- In a dusty place This product does not have a waterproof structure. Use and store this product in a place where the product body will not be 0

splashed with water or other liquid. Rain, water mist, juice, coffee, steam or sweat may also cause product damage

Do not use this product with any device that may have a serious impact in the event this product fails.
When you no longer need to use this product, be sure to dispose of it in accordance with the local ordinances and laws of your area.

Batteries

Use AAA alkaline batteries, AAA manganese batteries, or rechargeable AAA nickel hydride batteries with this product. 0 \bigcirc If this product will be unused for a long period of time, remove the batteries to avoid battery leakage and failure.

■Cleaning the Keyboard

If the product becomes dirty, wipe it with a soft, dry cloth

Use of a volatile liquid (paint thinner, benzene, alcohol, etc.) may affect the material quality and colour of the product.

This product is wireless equipment using the entire range of the 2.4 GHz band and it is possible to avoid the band of mobile object identification systems. FH-SS is used for the radio wave method. The interference distance is 10 m.

Cautions for Wireless Equipment

able wave memous. The interference distance is 10 m. The 2.4 GHz band is also used by medical equipment, and wireless LAN aquipment conforming to the IEEE 802.11b/11g/11n standard. • Before using this product, check that there are no other "radio stations"*

operating nearby. If electromagnetic interference occurs between this product and other "radio stations", move this product to another location or stop using this

product Droucu. Other "radio stations" refer to industrial, scientific and medical devices using the 2.4 GHz band like this product, other radio stations of this type, licensed radio station premises for mobile object identification system that is used in factory production lines, certain non-licensed low power radio stations and

WARNING

amateur radio stations.

- Do not use this product with any device that may have a serious impact in the event of a malfunction. There are rare cases where an external radio wave at the same frequency or the radio wave emitted from a mobile phone causes this product to
 - Participation wave enhancement of the product of the product in a hospital or other locations where the use of radio waves is product in a hospital or other locations where the use of radio waves of this product may affect electronic and medical devices (e.g. pacemaker).
 - The use of a wireless keyboard in an aircraft is prohibited by aviation law because doing so may interfere with flight safety
 - Turn off the keyboard before boarding an aircraft and do not use it in the aircraft. * ELECOM is not liable for any accident or social damages incurred by the failure of this product.

Initial Setup Procedure

- When using this product for the first time, operate and configure this product and the PC in the order shown below.
- To use this product the connected device must support the Bluetooth HID profile or have a Bluetooth adapter that supports the
- HID profile connected

1 Installing/Replacing the Batteries

2 Turning on the Keyboard -

-

3 Pairing the Keyboard with a Connected Device

2 Turning on the Keyboard Turn on the keyboard to use it. Slide the power switch on the back of

ment cover.

the product to the ON position. The Connect/Battery lamp lights for about 3 POWER

Installing/Replacing the Batteries

NR -

Make sure that the polarity is correct.
Do not mix different types of batteries or use old batteries with new batteries to avoid battery leakage and failure.

Before using this product, install two AAA batteries in the keyboard

Remove the battery compart-

the product.

Insert the batteries.

ment cover on the back of

3 Install the battery compart-

When not using the product, turn the keyboard off o save battery power Slide the power switch to the OFF position POWER

Power save mode When key input does not occur for approximately 2 hours, this product will automatically switch to power save mode. It will return to normal mode once any key is pressed. Enter characters after this has occurred

character by pressing

[Shift]+

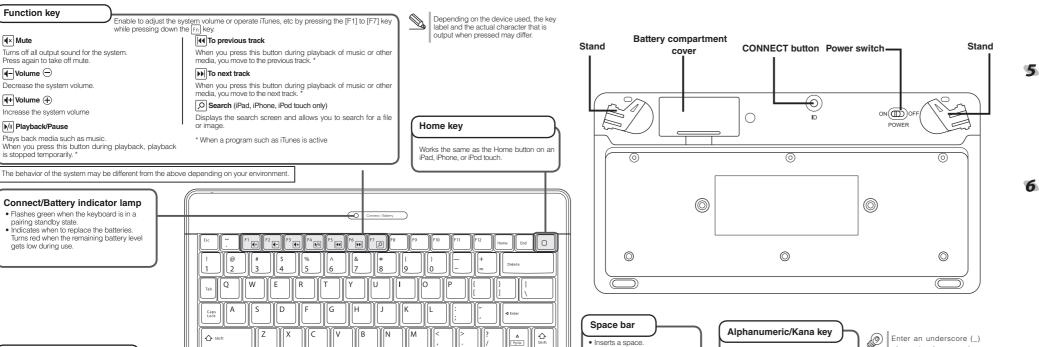
touch manual. This product cannot be used with iPhone 3G or with first and secon generation iPod touch

Touch [Settings].

2 Touch [General].

3 Touch [Bluetooth].

4 During a device search, press the CONNECT button on the back of the product



Converts characters when

using two-byte fonts.

While the Fn key is held down, the functions indicated in the ____ on the bottom of other keys

Fn key (Function key)

can be used.

Switches the character input mode for

the iPad/iPhone/iPod touch to

[Kana] Japanese input.

[Alphanumeric] English input or

completed (up to step 2 is comp the lamp blinks quickly and then turns	ble
CC	0

5 Touch [TK-FBM023 Series Not Paired].

If iPhone 3GS or iPod touch cannot find the keyboard, check that the software has bee updated to iOS 4.0 or later.

6 Use this product to enter the PIN code that displays on the screen. Enter the PIN code using the keyboard numerical keys, and press the "Enter" key

> If the PIN code was not entered correctly, the screen shown to the right will display. S. Touch "OK", and repeat from step

3 Pairing the Keyboard with a Connected Device

To connect this product to a connected device using Bluetooth, you need to pair the product with the connected device.

Pairing involves registering Bluetooth devices (in this case, this product and connected device) with each other, and adminizing a connected metric of the pairing process in the same way to add the 2nd
 This product supports pairing registration of multiple Bluetooth devices (up to 4 devices). Repeat the pairing process in the same way to add the 2nd

* If another device is registered after 4 devices have been already registered, the settings for the first registered device will be deleted.



3 Pairing the Keyboard with a Connected Device

S 🚺 🗣 🐠 🗓 🖅 Wed 8:27 PM 🔍

CONNECT buttor

ter (Continue)

4893 0792

Turn Bluetooth Off

If the Bluetooth menu is not displayed, from the Apple menu, click [System Preferences]. When the [System Preferences] window is displayed, click [Bluetooth], and then click + on

If a message saying that registration failed is displayed, check that this product is turned on, and then click Continue

■When using Mac OS 10.5.x

From the Bluetooth menu,

Device].

displayed.

2 Click Continue

click [Set up Bluetooth

The Bluetooth Setup Assistant is

the [Bluetooth] window

When using Mac OS X

From the Bluetooth menu,

Device...].

displayed.

When using Mac OS 10.6.x, 10.7.x

click [Set up Bluetooth

The Bluetooth Setup Assistant is

the [Bluetooth] window.

The Connect/Battery indicator lamp flashes

during the pairing procedure and turns off

when the procedure is complete (step 5).

2 Press the CONNECT button on

the back of the product.

Select [TK-FBM023 Se-

the screen

5 Click Quit

ries], and click Continue

The passkey is displayed on

4 Use this product to

enter the passkey that

displays on the screen.

Enter the passkey using the keyboard numerical keys, and press the "Enter" key.

Using the stand

-9 🚺 🛛 🖪

Bluetooth: On Turn Bluetooth Off

Open Bluetooth Preferences

Discoverable

Rrowse Devi

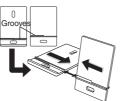
Send File.

If the Bluetooth menu is not displayed, from the Apple menu, click [System Preferences]. When the [System Preferences]

click [System Preferences]. When the [System Preferences] window is displayed, click [Bluetooth], and then click + on

When using this product with an iPad, iPhone or iPod Touch, you can use the stand included with this product.

Before use assemble the stand as follows



Orient the 2 included boards at a 90° angle and insert them fully along the grooves

Troubleshooting

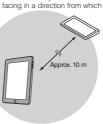
When the product appears to be malfunctioning

When text cannot be entered or keyboard does not work/is unstable

- When key input does not occur for approximately 2 hours, this product will automatically switch to power save mode. It will return to normal mode once any key is pressed. Enter characters after this has occurred.
 Check that this product and the connected device's Bluetooth function
- Check and adapter are turned on.
 Check pairing status to ensure that this product is paired correctly with the connected device and that pairing has not been cancelled.
- The Connect/Battery lamp flashes green during the pairing pro-cedure and turns off when the procedure is complete cedure and turns off when the procedure is complete. • For details on the PC's Bluetooth function and Bluetooth adapter, refer to the relevant instruction manuals. Alternatively, contact the manufacturer.

The connected device and the keyboard are too far apart or there is a possibility that the connected device is facing in a direction from which

it cannot receive radio signals. Adjust the position of the connected device. The operable range of this product is the area within a circle with a radius of 10 m from the connected device. Depending on the usage environment, the on the usage environment, the keyboard may not operate even when it is within approximately 10 m of the connected device. In such cases, move the keyboardcloser to the connected device util expection to the device until operation stabilizes.



- When using this product on a metallic surface such as a steel desk radio wave outreach may be shortened. In such cases, move the keyboard closer to the connected device until keyboard operation stabilizes.
- stabilizes.
 Interference may occur if multiple units of this product are used together or if this product is used with other wireless devices. In this case, change the channel of other wireless devices.
 Operation becomes unstable when battery power is low. Refer to "Installing/Replacing the Batteries" on the reverse of this sheet, and replace the batteries as soon as possible.
 The divelop batteries curpled with this product are for chapting.

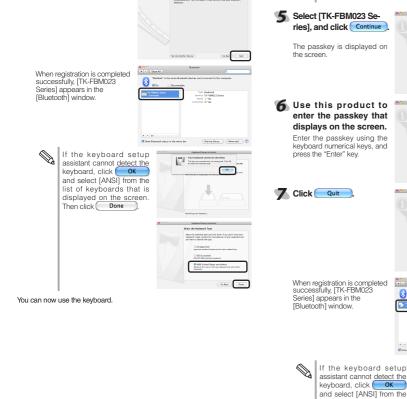
replace the batteries as soon as possible. The alkaline batteries supplied with this product are for checking product operation. These batteries may discharge and drain during storing and shipping. When the remaining battery level gets low, the Connect/Battery lamp begins flowing and shipping.

begins flashing green. * When not using the product, turn the keyboard off to save battery

power

Product name Bluetooth® Membrane Keyboard TK-FBM023E series Article No. supported devices •iPad2, iPad, iPhone4/4S, 4G iPod touch IPhone 3GS and 3G IPod touch (32G8/64GB) with software updated to IOSA 0 or later
 Mac OS X(10.5-10.5.8, 10.6-10.6.8, 10.7-10.7.2)
 Cannot be used with IPhone 3G or first and second generation Pod touch.
 Depending on the model of the device being used, the section of the model of the device being used. differ Connection method Bluetooth® wireless Compliant standard Bluetooth® 3.0 Class 2 Bluetooth version Bluetooth3.0/2.1+EDR/2.1/2.0+EDR/2.0 Profile HID (Human Interface Device) Radio frequency 2.4 GHz bandwidth Radio wave method FH-SS modulation Radio wave outreach Non-magnetic substance (e.g. wooden desk): Approx Magnetic substance (e.g. metal desk): Approx. 3 m * Values indicated are those obtained by ELECOM and are not guaranteed. No. of keys 32 (English layout) Key type embrane 5.4 mm Key pitch Key stroke 5 mm Dimensions 87.0 (W) x 123.5 (D) x 22.0 (H) mm Operating temperature/humidity to 40°C, 90% RH max. (no condensation) Storing temperature to 60°C, 90% RH max. (no condensation) humidity Batteries 2 AAA alkaline/manganese/rechargeable nickel dride battery Operating time Measure of operating time when alkaline battery is ised Approx. 4 months * Values indicated are those obtained by ELECOM and are not guaranteed.

Basic Specifications





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You can now use the keyboard.

ELECOM CO., LTD. URL: http://www.elecom.co.jp/global/ overseas@elecom.co.ip

宜麗客(上海)貿易有限公司
上海市徐匯区肇嘉浜路1065甲号飛
電話:86-21-33680011
FAX : 86-21-64271706
URL : http://www.elecom-china.co
ELECOM Korea Co., Ltd.
5F Suam Bldg. 1358-17, Seocho2-dong, S
Korea
TEL : 1588-9514
FAX : (02)3472-5533
URL : www.elecom.co.kr
URL : www.elecom.co.kr
URL : www.elecom.co.kr ELECOM Singapore Pte. Ltd
URL : www.elecom.co.kr ELECOM Singapore Pte. Ltd 33 UBI AVENUE 3 # 03-56. VERTEX
URL : www.elecom.co.kr ELECOM Singapore Pte. Ltd 33 UBI AVENUE 3 # 03-56. VERTEX TEL : (65)-6347-7747
URL : www.elecom.co.kr ELECOM Singapore Pte. Ltd 33 UBI AVENUE 3 # 03-56. VERTEX TEL : (65)-6347-7747 FAX : (65)-6753-1791
URL : www.elecom.co.kr ELECOM Singapore Pte. Ltd 33 UBI AVENUE 3 # 03-56. VERTEX TEL : (65)-6347-7747 FAX : (65)-6753-1791 ELECOM India Pvt. Ltd.
URL : www.elecom.co.kr ELECOM Singapore Pte. Ltd 33 UBI AVENUE 3 # 03-56. VERTEX TEL : (65)-6347-7747 FAX : (65)-6753-1791 ELECOM India Pvt. Ltd. 408-Deepali Building, 92- Nehru Place, I

•iPhone 3GS and 3G iPod touch (32GB/64GB) with

the assigned function for various keys and the actual functions which they perform when pressed may

1-1 Fushimi-machi 4-Chome Chuoku, Osaka Japan 541-8765

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