DIATEC **FILCO**

Majestouch
Hybrid Bluetooth USB&PS/2

「マジェスタッチ ハイブリッド」

Instructions & Warranty

Thank you very much for purchasing Diatec product.
Please read and understand all instructions before using a keyboard.

Cautions when in use
- When you do your setups, utilize an administratively authorized ID.
- This product is intended for general use at home, office etc only. Do not use under the circumstances that require high safeness and credibility such as medical device, financial system, computing machinery, facility related to an atomic energy as well as defense military affair where bear a possibility to affect on human life in any way. We assume no responsibility whatsoever for any damages resulting from the use of the product.
- We assume no responsibility whatsoever for damages resulting from breakdown, troubles, failure in connection, external factors such as blackout or interferences from a third party causing damages, when you are in use of a product.
- We assume no responsibility whatsoever for damages resulting from interception, breaking, leaking of information from a third party.

Cautions connecting
- Set up a connection where no obstacles are around. Structures of the building or obstacles around may affect the length of Bluetooth connection range. You may not be able to setup the connection when reinforcing steels or metals are in between.
- If you move outside of a connection or are in any shadow of obstacles, Bluetooth cannot detect a connection and it may disconnect.
- Be away at least 2 meters from AV and OA equipment and at least 3 meters away from microwaves which can easily affect on a product when you make a connection. It may not work properly near those devices.
- Since wireless LAN equipment with IEEE802.11g/b and Bluetooth equipment use the same frequency (2.4GHz), it may cause to slow down your connection speed or to lose connection. In this case, turn off the power whichever is not in use.
- Electromagnetic ray from any Bluetooth devices may affect on causing noises on sounds and images of a television, or a radio. We recommend not using near those devices.

For safety use
- Battery
  Keep the battery out of children's reach.
  Do not expose to heat.
  Do not disassemble or immerse in water or liquid of any kind.
  Do not use with new and old battery mixed up together.
  Do not use different kind of a battery together.
  When you discard a battery, dispose it by following the laws and regulations governing battery disposal in your area.
- Handle a keyboard
  Dropping or any other activities may lead to an unexpected accident. Place a keyboard on a flat space when in use.
  Keyboard is an electric device that contains circuit and transformer device inside. Hence do not immerse a keyboard in water or any other liquid.
- Do not disassemble or peel off of the maintenance label on the back. Unauthorized repair, conversion or disassemble a product are not included in the warranty.
- Do not use a product under the circumstances stated in below to avoid a false operation that could lead to an unexpected accident.
  ** Near patients with heart pacer.
  ** Near medical facility or medical devices.
  ** On a plane
  ** When a product causes an electrical wave on other devices.

General instructions
Using a keyboard may be linked to serious injuries or disorders. When using a computer for long periods, you may experience occasional discomfort in your hands, arms, neck, shoulders or other parts of your body. If you experience symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness or stiffness on muscles, please stop using a product immediately. These symptoms may occur when you are not working at your computer. We strongly recommend getting rest periodically when you are in use. Please refrain from using a keyboard whenever you feel sick.

Product introduction

3 ways to use ICHIBAN keyboard by [Bluetooth, USB, PS/2]

[Bluetooth wireless keyboard]
  We adopt 2.4 GHz ver2.1 class2 technology for a connection to a personal computer that provides you with a cable-less operating environment. Wireless communication range is up to about 10 meters. You need to do connection setups only for the first time. You don't need any setups afterwards. When you are not in use for over 10 minutes, a keyboard automatically changes to sleep mode to save electrical power.

[USB keyboard]
  You can use it as USB keyboard by using USB cable included in a package.
  (It doesn't have a function to charge the battery)

[PS/2 keyboard]
  You can use it as PS/2 keyboard by using USB cable and PS2 conversion adaptor included in a package.

[High quality N-key rollover function]
  It has the functionality by which all the typed keys simultaneously are recognized on your personal computer. Limited 6 keys at a time when it is connected by USB.
  (That makes it possible to correspond multi tasks for typing in at a high speed and for certain short cut keys)

[Adopting Cherry MX key switches]
  Cherry MX switches are mechanical switches developed by Cherry Germany. Key travel is 4mm, (deeper than comparative models) and actuation point is located at 2mm from the top when pressed down. This Keyboard uses individual Cherry MX switches that give you light touch typing.
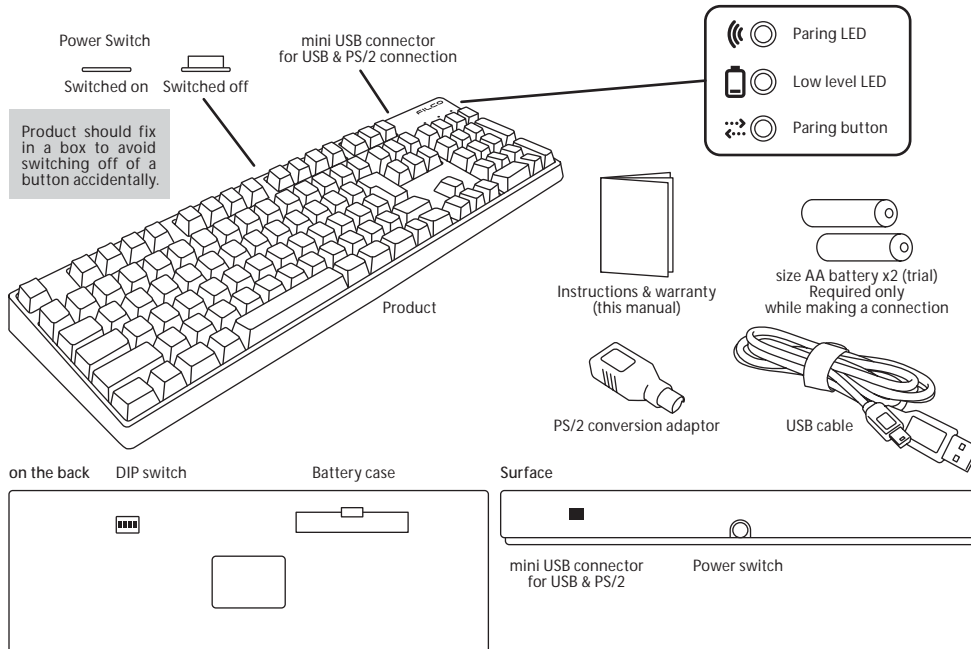
System requirement
  OS : Windows XP SP2/ Vista / 7
  PC : DOS/V personal computer installed with USB port.
      For Bluetooth connection, you need a personal computer loaded with Bluetooth function and Bluetooth receiver adaptor. Due to compatibility issue, connection setups may not be completed in rare cases. It is NOT compatible for all the Bluetooth receiver adaptors.
      ** You need an available mouse for setups.
      ** For PS/2 connection, you need a personal computer loaded with PS/2 connector.

Power Switch

mini USB connector
for USB & PS/2 connection

Switched on   Switched off

Product should fix in a box to avoid switching off of a button accidentally.

(((◎ Paring LED

▯ ◎ Low level LED

⋯→ ◎ Paring button

Product

Instructions & warranty
(this manual)

size AA battery x2 (trial)
Required only
while making a connection

PS/2 conversion adaptor

USB cable

on the back   DIP switch   Battery case   Surface

mini USB connector   Power switch
for USB & PS/2

Function/operation of a keyboard
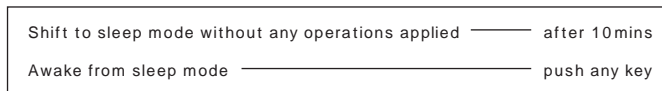[Bluetooth connection]

Bluetooth power switch	Turn it on to use a keyboard with Bluetooth connection. When you don't use a keyboard for a long period, or connected by USB or P/S2, turn off of a main power switch. The battery is only used while making a connection.	On Off
Paring button	Used only for keyboard paring, normally for setups procedure.	You need the button when you do the pairing. It release the connection by pressing for 5 seconds during the connection.
Paring LED	It blinks during paring. Light goes off after obtaining passkey. After completed paring process, it will blink for several seconds and goes off after turning on a switch on a keyboard and setting up connection is automatically done.	Blinking blue while waiting for the paring to be done.
Low level LED	When the battery is low or out, it starts to blink to let you know to replace with the new battery. It wouldn't blink or light if there are no charges left on the battery. (Battery life: 3 months each day working 5 hours with alkali battery is used. Battery life can be diverse depending on the environment of usage.)	blinking for low battery alkali battery Red nickel battery Green

[LED light for NumLock, Caps Lock, Scroll Lock]
  This product doesn't have LEDs for NumLock, Caps Lock or Scroll Lock.
  No indications will appear on a keyboard while function itself is maybe available.

Sleep Mode
No operation is applied for more than 10 minutes, it automatically shifts to sleep mode to save power. You can release by entering any keys on a keyboard. (If you press any keys on a keyboard, paring LED will start to blink and goes off after few seconds.) Bluetooth connection will be set up automatically and you will be able to type a key after few seconds. You can also release by turning off of a main power switch on a keyboard.

Shift to sleep mode without any operations applied	——	after 10mins
Awake from sleep mode	————	push any key

[USB connection]
  You can setup USB connection by applying USB cable included in a package.
  (It has no function for charging the battery)

[PS/2 connection]
  You can setup PS/2 connection by applying USB cable and PS/2 conversion adaptor included in a package.

** you may not need the battery for USB or PS/2 connection. When you use a keyboard for a long time under
    USB or PS/2 connection, take out the battery.

[Changing key function by DIP switch]
  1. ON → It swaps the function of [Caps Lock] key and left [Ctrl] key
  2. ON → It locks [Windows] key
  3. ON → It locks [App] key
  4. No configuration

**DIP switch function can be used in all ways, Bluetooth, USB as well as PS/2

Orthography and operation manual (FKBH108 series)
There are specially orthographized keys for no KANA printed models.
Refer below to lock on your Caps Lock key.

How to read keys	with KANA	without KANA
	半角／全角 漢字	E/J
	無変換	⊗
	変換	○
	カタカナ ひらがな ローマ字	Kana

Function	Key operation
CapsLock on	⇧ Shift + CapsLock

Orthography and operation manual (FKBH104 series)
Refer below how to type in Japanese (require to activate IME) on US models.

Function on Japanese keyboards	Key operation
	Alt + ~`
	|
	Space key

To connect with Bluetooth and a personal computer
This product does not include Bluetooth receiver adaptor. Please prepare one yourself and make sure you start operating after completing setups of Bluetooth receiver adaptor. For the users with Bluetooth function installed in a personal computer, make sure to lock on its function. For setting up process, log on with an authorized ID and operate from classic start menu and classic control panel.

Get a keyboard started for a use.
1. Insert the battery following the indication of the battery case and do not to place the battery in reverse.
2. Turn on a keyboard main power switch
3. Press paring button on a keyboard with sharp tips.
4. Paring LED on a keyboard starts to blink for about 8 seconds. It indicates a personal computer is recognizing a keyboard.

Bluetooth device setup

1. Open Control Panel > Bluetooth Device and Double click.

2. Open Control Panel > Device > Add and Click

3. The Add New Connection wizard starts to initiate. Check in a box of [completing setups and device can be found] and click Next.

4. Search for Bluetooth device. Choose Bluetooth keyboard New device and click Next.

5. Add passkey into device. Choose [use passkey automatically chosen] and click Next.

6. Trade passkey of a keyboard with a personal computer. Input passkey from ten-key of a keyboard and press Enter. Make sure to input passkey in 30 seconds.
   [Reference]
   when you input passkey, there is no indicator shows input status on a screen. We recommend you using to complete setups by using passkey for security issues.

7. After succeeding to input passkey, Bluetooth keyboard automatically starts to install. Give it few seconds to compete. If you enter wrong passkey, go back to previous step and re-enter correct passkey.

8. Screen of Add new connection wizard pops up and setup is completed.

9. You can always confirm the connection status of settings from Control Panel>Bluetooth Device>Device.

Trouble shooting for not being able to input after a completion paring steps.

1. Click [Start] and open [Control Panel]

2. For XP users, open [Control Panel]>[Performance and maintenance]> [Administrative tools] >[Service]
   for Vista users, open [Control Panel]>[System and maintenance]> [Administrative tools]>[Service]

3. Double click on [Bluetooth Support Service] from [Service] wizard.

4. Open [Log on] from [Bluetooth Support Service]

5. Check in a box of [Local System Account]

6. Click on [Apply][OK] and close all the wizards. Restart your PC.

7. Once again, check Bluetooth keyboard recognition.

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Trouble shooting for not being able to input after a completion paring steps.
 1. Click [Start] and open [Control Panel]

 2. For XP users, open [Control Panel]>[Performance and maintenance]>[Administrative tools] >[Service]
    for Vista users, open [Control Panel]>[System and maintenance]>[Administrative tools]>[Service]

 3. Double click on [Bluetooth Support Service] from [Service] wizard.

 4. Open [Log on] from [Bluetooth Support Service]

 5. Check in a box of [Local System Account]

 6. Click on [Apply][OK] and close all the wizards. Restart your PC.

 7. Once again, check Bluetooth keyboard recognition.

Above are steps utilizing OS genuine software or a driver. Not by utilizing the software included in your Bluetooth adaptor. When you set up with the software included in your adaptor, refer to your Bluetooth adaptor instructions.

[supplemental remarks: Setting to activate or to disable of the control regulation on Windows Vista Users Account]
On Windows Vista, the users account control regulation is set to activate on default.This case, Warning wizard pops up during your setup process. Click [Change settings] and user account control regulation wizard will open and click [Continue] to continue.

Place for settings of user account control regulation.
   Open [Control Panel]>[Setting to activate or to disable of Users Account] from users account items > marks in a box of [Help to protect PC with users account control regulation]

[supplemental remarks: To release settings of a keyboard]
To release the setting, you can delete it by steps below.
 1. Open [Control Panel]>[Bluetooth Device]>[Device] and choose a connected keyboard and click delete.

 2. Confirmation wizard will pop up. Click Yes and deletion is completed.

We provide the instructions for the setting Bluetooth on our web site in support page.

To arrange layout. Re-settings
You don't need to set up for a regular keyboard. To shift from US keyboard to Japanese keyboard, refer below for the settings.

To change layout to Japanese language. (EX. English settings to Japanese settings)
<1>
For PS/2 keyboard that can be connected to PC and for laptops.
Open [Control Panel]>[Keyboard]
Open [Hardware]>[Device]>[101/102 English or Microsoft Natural PS/2 keyboard] and click property.
Open [Driver]>[Diver Update]
For XP choose [install from a list or a certain place] and click next. For Vista, click [refer PC to search driver software]
For XP, choose no search and choose a driver for installing then click next. For Vista, click [choose from a driver list of the device on PC]
For XP, remove check from a box of [display compatible hardware] Choose standard keyboard for manufacture, choose Japanese PS/2 keyboard (106/109 key Ctrl+ Alpha/Num Lock) and click next.
Driver update warning pops up. Click Yes.
Driver starts to install.
Click [Done] after the completion of driver installing.
It will work as Japanese keyboard after restarting your PC. Settings for Windows7 users, you can refer to our support page only available in Japanese.
<2>
If you can't connect PS/2 keyboard to a PC try :
Download registry and set up.
DL registry data from DIATEC web site and change settings. It starts to restart a PC when you double click Download file.
Set up registry data for rewriting.
Specify a file name from start menu and choose ok.
Input [regedit] into name column and click ok.
Registry editor starts to initiate to choose item from left on the screen.
Double click on name [Layer Driver JPN] and re-write [kbd106.dll] on a value data then click ok.
Add new registry key. Make sure to input them all correct. If you already have below data, it is unnecessary.
Finish registry editor.
Restart your PC.
*** Settings for Windows 7, you can refer to our support page.

Troubleshooting

Q. Main power wouldn't be turned on. What should I do?
A. Make sure the battery is inserted in correct direction. Or the battery must be low. Replace with the new battery.

Q. Paring can't be done. A keyboard wouldn't be displayed on Bluetooth device search screen. What should I do?
A. Make sure main power on a keyboard is turned on. Make sure the battery is inserted in correct direction. The battery must be low. Replace with the new battery. Press on paring button on a keyboard. Make sure paring LED is blinking when you are in use of Bluetooth receive adaptor and action works properly when you are in use of Bluetooth function installed in a PC. Make sure the setting is set to ON.

Q. I feel there is a difference in feelings between bigger keys and smaller keys.
A. for bigger keys, it is a specification and we load stabilizer for bigger keys to be able to do up-and-down movement by pressing any area on bigger keys.

Q. I can't select OS nor operate BIOS connecting by Bluetooth right after turning on a main power.
A. Parameter of pass key will be registered inside of the adaptor on Bluetooth 2.1 corresponds to an adaptor after paring settings. Some models have function to be able to operate before turning on OS or on BIOS screen or on OS selection screen. A Bluetooth adaptor without this function, you can't operate before starting up your PC. When you are in need, operate by connecting USB or PS/2. This relates to a function of an adaptor. Please inquire any questions to manufacturer support in regard to this.

Q. I can't operate under safe mode.
A. You can't operate during safe mode.

Q. I can't operate a keyboard after taking out and putting in a Bluetooth adaptor.
A. After re-connecting a Bluetooth adaptor, it will automatically start making connection by pressing any key on a keyboard.

Q. I can't back in from sleep stand-by mode.
A. while having a Bluetooth connection, you may not be able to come back in from sleep mode due to the specifications of a Bluetooth. Unlock and release from sleep stand-by mode in advance.

Q. Can I use it for other Windows OS versions?
A. A Bluetooth adaptor would function only on Windows7, Windows Vista and after Windows XP SP2 versions. It does not compatible with other Windows versions.

Q. When I make a connection of a Bluetooth, a keyboard operating error pops up sometimes.
A. Signal transmitted and received range would differ depending on the environment you are in. It would not work properly when a device such as microwaves, wireless network device or cordless phones that generate radio wave interference are around a keyboard

Q. Typing wouldn't work out properly.
A. Try uninstalling previous software of a keyboard. It could interfere performance.

Q. Sometimes it doesn't respond or symptom like chattering is occurring.
A. If there are some wireless devices that require same frequency around a keyboard, it would mixed up and be disconnected depending on the environment. We recommend uninstalling a certain software or driver and installing standard OS software or driver.

Notice : The changes or modifications not expressly approved by the party responsible
   for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the
antenna or the device is permitted. Any change to the antenna or the device could result in the device
exceeding the RF exposure requirements and void user's authority to operate the device.

FCC INFORMATION
The Federal Communication Commission Radio Frequency Interference
Statement includes the following paragraph:

The 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 instruction, may cause
harmful interference to radio communication. However, there is no grantee that
interference will not occur in a particular installation. If this equipment dose 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 or more 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.

The user should not modify or change this equipment without written approval
Form DIATEC CORPORATION.Modification could void authority to use this equipment.

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This warranty is valid only in Japan.

保証期間　お買い上げ日	１２
販売店印	

■販売店様へ　お客様へ商品をお渡しする際は、必ず販売日をご記入の上、貴店印をご捺印下さい。
記載漏れがありますと、保証期間内でも有償修理が受けられません。

★ダイヤテック株式会社

サポート
専用☎ **03-5688-5778**
AM10:00　12:00　PM13:00　17:00

support@diatec.co.jp