



R14

Model: BT1311

## Operation Manual

### I. Quick Start

**Welcome:** Thanks for purchasing a falcon™, a full-size Bluetooth multi-platform keyboard with thumb controlled optical mouse in the spacebar and finger tip activation buttons. You are invited to read Operation Manual to get the most from this new computer component. This Operation Manual is available at: [www.falconBTkeyboard.com](http://www.falconBTkeyboard.com)



#### What is in the Box?:

- Bluetooth keyboard with 'falcon™' mouse
- USB charging cable
- Quick Start instructions

#### Getting Started

- Perform charging from a PC or authorized power source not exceeding 5.0 DCV, using the USB charging cable provided with your keyboard until red charging light turns green.

- **Syncing:** The **falcon™** is a multi-platform keyboard, capable of being operated with any computer, iPad, iPhone, or Tablet device equipped with Bluetooth chip set or Bluetooth dongle. The synced device must support the "Bluetooth HID profile. Microsoft 7 (or later), Android 4, and iOS 4.0 should work whereas the Blackberry will not. The Blackberry will require a third party "patch".

### **Syncing the with your falcon™ keyboard.**

- Turn on your falcon™ using the upper left hand On/Off button.
- Turn on the device to be paired.
- Click Fn + F1 together to connect the first bluetooth unit
- Press the "synch" button on the upper right hand corner of the keyboard.
- The "synch" LED should start flashing blue.
- Go to the Bluetooth Control Panel on the device being paired
- Make sure Bluetooth is "on" and searching for devices
- When Falcon is found, instruct it to "PAIR"
- A number will show up with instructions to enter the code on "falcon Keyboard", followed by the return or enter key.
- Be sure to press "Enter" to complete syncing. Once paired, it should remain paired on subsequent uses.
- If difficulty is encountered in syncing, instructions for different types of units are provided in Appendix B of the Operation Manual.
- Set the cursor tracking speed to SLOW on the unit's control panel.
- Increase speed as you gain experience. (See below for cursor precision which is different from cursor speed)
- Repeat pressing Fn + F2 together, then sync to a second unit, and Fn + F3 together, then sync for a third unit.

### **Helpful Hints:**

- The use of a mouse, thumb pad, or track ball is habit forming. To get the most from the **falcon™**, hide your mouse where it cannot be reached and disable the track ball or thumb pad. *You will have to form a new habit in the use of your thumb or finger tip to become proficient with the **falcon™** to avoid reaching for the mouse or thumb pad.*
- A right handed beginner may find that it is easier to have the left hand operate the select and pull down activation keys rather than doing it with the right hand as the thumb is maneuvering the cursor. Press Fn+L+R at the same time to switch back and forth for left or right hand operation.
- Either the down-side of the right or left thumb or a finger tip moving horizontally over the space bar lens can be used to move the cursor.
- The 105 keys with 1.9 cm (0.75 in) provide the feeling of a full keyboard.
- Ability to toggle back and forth for typing on either your PC, tablet or smart-phone.
- LED displays with different colors show status of key features.
- The LEDs, located above F1, F2, F3 flash blue when paired successfully with a Bluetooth component. By pressing Fn+F1 together, then pressing Sync, you connect with your first

unit. Fn + F2 together, then sync your second unit. Fn +F3 together, then sync for the third unit.

- Precise location of the cursor on the monitor can be assisted by varying the DPI (dots per inch-the accuracy of the picture being taken) Changing from 400, 600, 800 or 1200 DPI is performed by pressing Fn + S together. Repeating FN + S steps through each DPI in order. A very slight movement of the thumb or finger on the lens can show the change in movement speed from one DPI step to the next.
- If the keyboard turns off during periods of non-use, it can be restated by pressing any key.
- If the 3 devices have all paired successfully , you can press FN+F1, or FN+F2, or FN+F3 to switch from one device to another.
- If the keyboard is turned off, it should remain synced when it is turned on again.

## **II. Detail Instructions**

### **Other LED Displays:**

- Power LED flashes red to show low battery.
- Power LED flickers green 3 times when starting up.
- Power LED flickers green periodically when keyboard is working.
- Caps LED at top edge of keyboard near right corner shows green when CAP key is locked and keyboard is active.
- Num lk LED at top edge of keyboard near right corner shows green when key pad is active.

### **falcon™ Specifications**

See Appendix A for Specifications.

### **Two-touch Switching Between PC, Tablet, and Smart phone Typing**

- Type in style with this elegantly designed, falcon™ Bluetooth keyboard. By pressing just two keys you can instantly switch between typing an email on your Windows PC, taking notes on your Apple iPad or replying to a text on your Android smart phone. This keyboard lets you create and communicate more easily on more devices.
- If the 3 devices have all paired successfully, you can press FN+F1, or FN+F2, or FN+F3 to switch from one device to another. For additional information on syncing specific Bluetooth components, see Appendix B.

### **Post Syncing Operation:**

- If the keyboard turns off during periods of non-use, it can be restated by pressing any key. The keyboard will become active again after the KB re-connects.
- If the keyboard is turned off, it should remain synced when it is turned on again.
- Use the "Bluetooth" screen to remove any unwanted pairings if interference with them is occurring.

### **falcon™ Operation:**

- The falcon™ keyboard has a built-in mouse operation that allows the user to move the cursor on the monitor almost identical to using a normal mouse. Instead of moving the mouse over a surface to move the cursor, the edge of the thumb or tip of a finger, is moved over the 'lens' in the space bar to move the cursor. By moving the down-edge of the right or left thumb over the cursor port at the space bar, the cursor is moved.
- Consequently, this cursor port along with the four small white activation keys are used to perform the exact same functions provided by a normal computer mouse (Left click, Right click, etc.).

- When the cursor is over the spot desired, that item can be activated by using the index finger of the right hand to press the small white key just above the "H" key (Left Click). The middle finger can be used on the small white key just above the "j" key (Right Click) to pull down menus. Scroll up and down can be operated with the left hand index and middle finger respectively on the small white keys just above the "D" and "F" keys. By holding down both the Left and Right Click buttons, the thumb can be used to rotate an object (CAD use) on the monitor. By holding down both the up and down scroll buttons, the thumb can be used to zoom the object.

NOTE: The software program being used on the connected unit has to have this feature of zooming or rotation for it to work with the falcon.

### **Right or Left Hand:**

- The activation keys can be set for either right or left hand operation. Normally, the right two activation keys mimic the left-right click keys on a normal mouse. The left two activation keys provide scroll up and down operation. The activation keys can be reversed by pressing FN+R+L at the same time. Pressing FN+R+L again returns to normal.
- A new right hand user of the **falcon**<sup>TM</sup> may find it easier to use the Left Hand Keyboard Operation setup so that the left hand can be used for Left and Right click while the right hand thumb is used to move the cursor without worrying about the right hand finger activation of selection keys.

## Appendix A

### falcon™ Specifications

Item	Specification
Product Name	Falcon BT Keyboard
Keys	105
Key Travel	1.6 mm +/- 0.2 mm
Key Touch	45-60 gm Soft tactile rubber dome
Dimensions	380 x155 x 12 x +/- 2mm
Weight	586 +/- 10 gm
Interface	Bluetooth ver. 2.0, 3.0 &4.0 (HID)
Frequency	2.4 Ghz
Battery Size	400mAh
Battery Power	4.2 V
Operation Current (key & light)	~2.6 mA
Standby Current	~4.5 uA
System Requirements	Windows XP, Vista 7, 8 Max OS x v10.0 or later iOS 4.0 or later Android 3.0 or later
Power Consumption	Working: MAX 30mA Sleep: MAX 0.2 mA Power Off: 20uA
Control Distance	10 M

- The keyboard operation current is 2mA, and the LEDs current is 2mA. The battery is rated at 400 mA, and there is a low battery protection. The keyboard will shut off automatically when the voltage is below 3.0V. At this time there is about 50mAH power remaining.
- Generally, the keyboard will keep charge for  $400\text{mAh}/2.6\text{mA} = 153\text{H}$  (without LEDs) The keyboard can stand by for a long period of time.  $400\text{mAh}/4.5\text{uA}$  (more than 3000 days). The keyboard keeps discharging with all the LED lit for 4 hours with 20 hours standby time. This keyboard can be used heavily for approximately 19 days.  
 $(400\text{mAh}/(2.6*2\text{mA}*4\text{H}_4.5\text{UA}*20\text{H})) \approx 19$  days. Turn off keyboard to conserve battery power when not being used.

## **Appendix B**

### **Bluetooth Unit Syncing**

#### **Syncing the falcon™ with your i-PAD, i-Phone, or other Apple device** Not an i-Mac:

- Use the following steps to sync the keyboard. Turn on your **falcon™** using the upper left hand On/Off button.
- Turn on the device to be paired. An I-pad
- Press the "synch" button on the upper right hand corner of the **falcon™** keyboard.
- The "synch" LED should start flashing blue.
- Go to "Settings" on the Apps screen
- Under "Settings", press "General"
- Make sure Bluetooth is "on"
- Activate "Bluetooth".
- Press "keyboard"
- If it did not PAIR, remove previously installed FALCONs and then pressed FALCON again, and go to pairing code that provides connection

#### **Now using an iMac and Keyboard**

- Have to start with System Preferences  
System preferences  
Bluetooth
- Select FALCON, or
- Double click FALCON
- A 4, 6, or 8 digit number will show up Enter the code followed by the return or enter key.
- Be sure to press "Enter" to complete syncing. Once paired, it should remain paired on subsequent uses.
- Caution: The **falcon™** will provide typing but it will not provide cursor pointing action with a unit that does not normally support cursor movement.

#### **Syncing or Pairing to an Android Device:**

- Turn on your **falcon™** using the upper left hand On/Off button.
- Turn on the device to be paired.
- Press the "synch" button on the upper right hand corner of the keyboard.
- The "synch" LED should start flashing.
- Go to "Settings" on the Apps screen
- Under "Settings", turn on "Bluetooth", and press the "Bluetooth" App.
- Press "Search for Devices"
- When the device displays "Available Devices, touch to pair"..Touch the screen.
- A 4 or 6 digit number will appear. Type that number on your **falcon™** keyboard, and then press "Enter". Be sure to press "Enter to complete syncing. Once paired, it should remain paired on subsequent uses.

- Special Note: If a passkey is requested, try 0000 and then press "enter" using your Android device keyboard or virtual keyboard. Alternately, use 1234 and then press "Enter". If neither works, contact your device service support.
- Caution: The **falcon™** will provide typing but it will not provide cursor pointing action with a unit that does not normally support cursor movement.

#### **Syncing or Pairing to a Samsung Device:**

- Turn on your **falcon™** using the upper left hand On/Off button.
- Turn on the device to be paired.
- Press the "synch" button on the upper right hand corner of the keyboard.
- The "synch" LED should start flashing.
- Go to "Settings" on the Apps screen
- Under "Settings", turn on "Bluetooth", and press the "Bluetooth" App.a
- Press "Search for Devices"
- When the device displays "Available Devices, touch to pair"..Touch the screen.
- A 4 or 6 digit number will appear. Type that number on your **falcon™** keyboard, and then press "Enter". Be sure to press "Enter to complete syncing. Once paired, it should remain paired on subsequent uses.
- Special Note: If a passkey is requested, try 0000 and the press "enter" using your Android device keyboard or virtual keyboard. Alternately, use 1234 and then press "Enter". If neither works, contact your device service support.

#### **Syncing or Pairing with a Laptop or Desktop Computer:** Use the following steps to sync the keyboard:

- Turn on your **falcon™** using the upper left hand On/Off button.
- Turn on the device to be paired.
- Press the "synch" button on the upper right hand corner of the keyboard.
- The "synch" LED should start flashing.
- Go to "Settings" on the Apps screen
- Under "Settings", turn on "Bluetooth", and press the "Bluetooth" App.
- Press "Search for Devices"
- When the device displays "Available Devices, touch to pair"..Touch the screen.
- A 4 or 6 digit number will appear. Type that number on your **falcon™** keyboard, and then press "Enter". Be sure to press "Enter to complete syncing. Once paired, it should remain paired on subsequent uses.
- Special Note: If a passkey is requested, try 0000 and the press "enter" using your Android device keyboard or virtual keyboard. Alternately, use 1234 and then press "Enter". If neither works, contact your device service support.



# Appendix C

## Certifications

### **C.1 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:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

#### **IMPORTANT NOTE:**

##### **FCC Radiation Exposure Statement:**

The product comply with the US portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

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

## **C.2 Industry Canada statement:**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

*Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :*

- (1) l'appareil ne doit pas produire de brouillage, et*
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

### **Radiation Exposure Statement:**

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

### **Déclaration d'exposition aux radiations:**

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé. Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.