

**Wireless Battery Free Optical Mouse**

**User's Guide**

**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 UNDESIRE OPERATION.**

#### Federal Communications Commission Requirements

The equipment has been tested and found to comply with the limits for 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 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 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 CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE 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.

## Introduction

**Congratulations on your purchase. Your new Wireless BatteryFree Optical Mouse will offer you wireless freedom, yet no battery is required. Whilst saving you the cost of batteries, it assures wrist comfort, light, easy operation and no-RF-interference.**

## BatteryFree Mouse Pad/Mouse Installation:

1. Connect the mouse pad's USB cable to your computer USB port.
2. Red PWR LED "On" when mouse is on the mouse pad.
3. Red PWR LED "Blinking" when mouse is not on the mouse pad.



Run-Green LED

Tune Button



## **Press "TUNE" Button to obtain frequency for best performance.(First Time Use)**

### **How to TUNE**

1. If your mouse is not on the mouse pad, the PWR LED light will be blinking. Place the mouse on the center of the mouse pad. The PWR LED light should now stop blinking and remain lit.
2. Press the "TUNE" button
3. PWR LED turns "Off" and the RUN LED light starts "Blinking".
4. When the tuning process is complete, the PWR and RUN LED will return to their original mode.

### **Note:**

If your mouse cursor does not move smoothly, you should repeat the "TUNE" process to adjust the frequency for best performance.

### **Note:**

1. Do not use this product on any ***metal table or surface***. The metal surface may interfere with the cross-induction frequency and have an adverse effect on the mouse operation.
2. Do not place the products too close to CRT monitor. Keep a distance of at least 20cm.

3. The working of frequency range is 0 to 50 centigrade degrees .

**Do not place the mouse pad too close to CRT monitor, keep a distance of 20 cm.**

## Power Pad Status List:

| LED Light Mode           | Status                                                                                                            |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| Red PWR LED“Blinking”    | Mouse is not on the mouse pad, or USB port power is low                                                           |
| Red PWR LED“On”          | Mouse is on the mouse pad, and power is ready                                                                     |
| Green RUN LED “Blinking” | Press "Tune" Button in order to tune the Mouse Pad/Mouse Inductive Tuning to obtain the best signal reception.    |
| Green RUN LED “On”       | Mouse is active (moving, clicking on key, rolling wheel)                                                          |
| Red/Green LED “Off”      | Power is not being received by Mouse Pad. Check whether USB cable has been connected to your computer’s USB port. |

# SECIFICATION

## **Wireless Battery Free Optical Mouse**

|                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer:<br>A-FOUR TECH CO., LTD.                                                                                                                                                                                |
| Use of the equipment:<br>For PC's Mouse                                                                                                                                                                               |
| Equipment category:<br>Wireless Battery Free Optical Mouse                                                                                                                                                            |
| Mode of operation:<br>Simplplex                                                                                                                                                                                       |
| Frequency / Frequency range:<br><b>121 ~ 128KHz</b>                                                                                                                                                                   |
| Maximum transmitter output power:<br><b>2.5 mW</b>                                                                                                                                                                    |
| Number of channels and channel separation:<br>Scan frequency to lock a working point for Wireless Battery Free Mouse .<br>Working frequency of Every Mouse maybe be different , working point from 121 KHz to 128KHz. |
| Modulation:<br>ASK                                                                                                                                                                                                    |
| Information on antenna:<br>It don't included with antenna. The signal transfer by Induction Coil .                                                                                                                    |
| Duty cycle:<br>240 uS                                                                                                                                                                                                 |
| Power supply:<br>PowerPad: USB port . 5V , max: 300mA (Included with Induction coil. )<br>Wireless Battery Free Optical Mouse: Faradism , max: 5V ,30mA (Induction Coil designed to mouse.)                           |