

# SM507AGL RF2.4GHz Laser Mouse

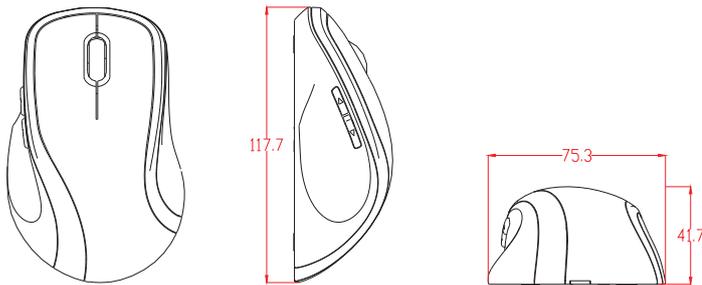
## SPECIFICATIONS

### Part 1.0: General Features

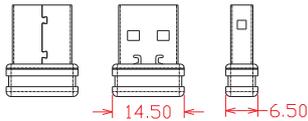
- Middle size, best for notebook users or kids
- Totally Wireless freedom
- 2.4GHz FSK Auto-link technology
- 34 two way R F channels
- mouse about 6~10 meters operation range
- 800/1200/1600 DPI Optical precision mini size 5 button mouse
- 4 level power saving mode for mouse
- Auto on/off Rfoutput design
- Mouse come with 5 standard buttons



### Part 2.0: Physical characteristics



Mouse



Receiver

SM-507AGL

R F frequency: 2.4 Ghz (2.408~2.474 Ghz)  
 R F modulation : F S K  
 Hopping type : FHSS (frequency hopping spread spectrum)  
 R F channel : 34 channels  
 R F bandwidth : 2.0 mHz  
 Speed of transmit: 1 M bps  
 R F output power : 0 dBm  
 Receive of sensitive: -85 dBm  
 Resolutions: 1600 DPI  
 Sensor Tracking Speed: 30+ inches / Second

### Battery

Battery type: two AAA Alkaline for mouse

Battery consumption:

Mouse:

- Operating Mode:  $\leq 8$  mA
- Sleep Mode 1:  $\leq 0.64$ mA (after 12second non-active)
- Sleep Mode 2:  $\leq 0.27$ mA(after 30second non-active)
- Sleep Mode 3:  $\leq 140$ uA(after 8 minutes around non-active)

### Mechanical Performance

Operating force of mouse buttons	$60 \pm 15$ gf
Operating force of Browser switches	$60 \pm 10$ gf
Operating force of wheel scrolling	$20 \pm 10$ gf

### Buttons

Mouse : 5 buttons with scrolling wheel

### Weight:

Mouse:  $85 \pm 10$  g (battery included)

Receiver:  $2 \pm 1$  g

### Part 3.0: Electrical Specification

Interface : USB 1.1

Sensor report rate on mouse: 3000 times per second

Operation angle: 360 degrees

Operation distance: 6~10 meter for keyboard and mouse

Receiver power requirement: 5V DC from USB port

### Part 4.0: Reliability

Mouse Button Switch Activation: 1,000,000 cycle  
 Scroll Wheel encoder Activation: 100,000 cycle  
 Operating temperature: -5 - 40 degrees celsius  
 Operating humidity: 20% - 90%

### Part 5.0 System Requirement

Windows 2000, Windows xp. Windows ME.  
 Windows VISTA

## **FCC Statement**

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. Note: The manufacturer is not responsible for ANY interference, for example RADIO or TV interference, caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

### **Note**

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 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.