Product designation: Bluetooth Wireless Dual Mode Mouse
BRAND：SANWA
Model name:GMAWBT171
Manufacturer：Dongguan Shanggui Electronics Co., Ltd.
Address：Room 101,No.7, Yincheng 7nd Road.,Xiabian Village, Chang'an Town,Dongguan City, GuangDong Province, China

For your personal enjoyment, we recommend that you read this manual thoroughlybefore using this product and keep this manual handy for reference if needed.

1. Opening

Thank you for purchasing this Ergonomic Mouse.

2. Caution

- The company is not liable for any damages, such as live motion defects, data loss, etc., caused by using this product or software.
- This product is not guaranteed to be compatible all devices.
- This product is intended for use in general workplaces and homes. The company does not assume responsibility in the event of damages caused by using in any other places.
- Refrain from using in environments where medical instruments and systems directly or indirectly related to human life are required, and where a high level of safety and responsibility is required.
- Refrain from using directly or indirectly with equipment and computer systems in which a high level of safety and responsibility are required.
- Do not use this product on airplanes as it may interfere with the airplane communication system.
- Please consult your doctor before using this product if you use a pacemaker or other medical device.

3. Warnings Regarding Health

Operating the mouse, trackball, and keyboard for long periods of time can lead to pain or numbness in hands, arms, neck, shoulders, etc. Serious damage may be incurred if such use is repeated. If you feel pain or numbness while operating the mouse or keyboard, stop using it immediately and consult a doctor if necessary. Take regular breaks from daily computer work to avoid strain on hands, arms, neck, shoulders, etc.

4. Specifications

＜Bluetooth specifications＞

Interface	Bluetooth5.0(BLE) Class2
Profile	HOGP(HID over GATT Profile)
Frequency range	2.402～2.480GHz

＜2.4GHz wireless specifications＞

Wireless System	2.4GHz RF Radio wave system *The ID between the mouse and the receiver is fixed.

＜Common specifications＞

Resolution	1200・1600・2000・2400count/inch
Reading method	Optical sensor system (Blue LED)
Communication range	Wooden desk (nonmagnetic material) / approx. radius 10m, Steel desk (magnetic material) / approx. radius 2m
Buttons	2 buttons,wheel button (scroll),count switch button, Buttons for customization x 6
Size/Weight	Mouse: W73.5×D109.6×H58.1mm・approx.137g Receiver:W14×D18.4×H6mm・approx. 2g

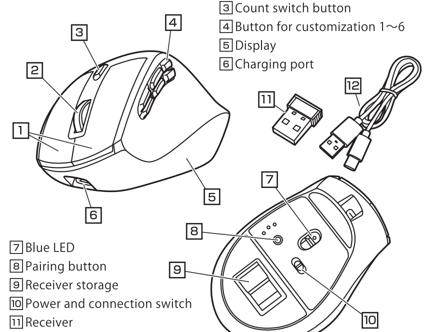
5. Compatible Models

Windows (DOS/V) PC / tablet, Apple Mac series, Chrome OS PC, Android smartphone / tablet, iPad series, iPhone series
* Models that support Bluetooth 5.0 HOGP or with a USB port (A connector).

6. Compatible OS

Windows 10·8.1·8、macOS 11、macOS 10.13~10.15、Chrome OS、Android 7.0 or later、iPadOS 13 or later、iOS13 or later

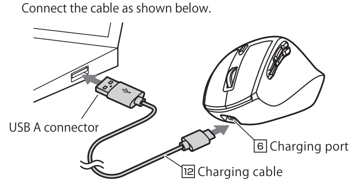
7. Name of Parts



1 Left button / Right button
2 Wheel button (scroll)
3 Count switch button
4 Button for customization 1～6
5 Display
6 Charging port
7 Blue LED
8 Pairing button
9 Receiver storage
10 Power and connection switch
11 Receiver
12 Charging cable

8. How to charge

1. Connect the charging cable supplied with the mouse to charge it.
   Connect the cable as shown below.

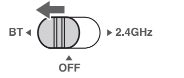


2. When finished, it will show 100% on your display which means charging is complete.Please unplug the charging cable.※ Charging time is about 3 hours.

■Sleep Mode
The mouse will turn into sleep mode if not being used for a while, even if the power switch is ON.By clicking the mouse, it will come back to work from the sleep mode.
Sometimes, however, the mouse may become unstable when suddenly being operated.

9.Connection with Mouse

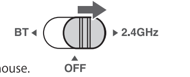
<How to connect to Bluetooth devices>



1.Switch the power/connection switch of the mouse to the BT side.
2.Turn on the power of the connected device and wait until OS starts up completely.
3.When pressing the pairing button on the back of the mouse, the display will show "Pairing ..." to enter the pairing mode.
(If there is a previously paired device, it will be connected automatically.)
When the following model name is displayed on the device side, the pairing has been successfully completed with the operation method on the device side.
Device name: "**SANWA MAWBT171**"

●About the next connection
When the power/connection switch on the mouse is set to the BT side, the mouse is automatically connected.

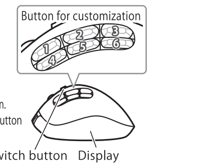
<How to connect to 2.4GHz wireless devices>



*Note: It is recommended to close all other applications before connecting the mouse.
1.Switch the power/connection switch of the mouse to the 2.4GHz side.
2.Turn on the power of the connected device and wait until OS starts up completely.
3.Connect the receiver to the USB port on your device.
4.Hardware detection will start automatically and a wizard will launch to update the device driver. (Installation is automatically completed for Mac products).

10. Customize Buttons (for Windows Only)

1. Press the count switch button for about 3 seconds. And it will enter the button customization mode when the display of the screen is changed.
2. Press the button which you want to custom a function.
* The only buttons that can be customized are the buttons for customization and the back / forward buttons.
3. Scroll the wheel to select the function you want to custom from the display, and press the button for the custom function again.
4. Press the count switch button for about 3 seconds to exit the button customization mode and complete the button customization.



＜Default Setting＞

Button for customization1	Cut (Ctrl+X)
Button for customization2	Copy (Ctrl+C)
Button for customization3	Paste (Ctrl+V)
Button for customization4	Forward
Button for customization5	Backward
Button for customization6	Double click

＜Custom Functions＞

Left Click	Left Click
Right Click	Right Click
Forward	Forward
Back	Backward
Double click	Double click
Alt+Tab	Alt Key +Tab Key
ESC	Esc Key
F5	F5 Key
Close Lock	Close windows (Alt+F4)
Desktop	Display the desktop
Web browser	Open the browser
Vol+	Volume up
Vol-	Volume down
Cut	Cut
Copy	Copy
Paste	Paste

11. Troubleshooting

Q. The mouse cursor does not move smoothly.
A. The Blue LED sensor is a very high performance sensor, but the cursor may not move smoothly on materials that reflect light, such as mirrors, or on transparent materials, such as glass. Also, the tracking performance may be degraded on regularly patterned surfaces.

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

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.