

(Bluetooth 3.0) Mouse

User Manual

Manufacturer: HP Inc.



Brand: HP,

Model: HSA-D002M

Date:2016-12-01

Product Specification

1.1 Electrical

1.1.1 Transmitter

The transmitter consists of Broadcom solution (BCM20730), and its related circuit as following.

1.1.1.1 Power Control Requirements:

Put AAA size battery pack into mouse.

End user can use the battery switch on the lower case to control power on or off.

1.1.1.2 RF Link:

Push the pairing button on the lower case to into pairing mode.

1.1.1.3 Radio Channel:

2.4GHz ISM Band (2.402G~2.480G)

1.1.1.4 Operation Range: only 5M, work on without RF disturbance environment.

1.1.1.5 Power Supply:

3V power supply, 2 pcs AAA batteries. Rating current: 100mA.

1.1.1.6 Tracking Performance:

Speed : 30 inches/sec

Acceleration: 10g

Resolution: 1300 CPI.

Frame rate: Self-Adjusting by sensor PAW3204DB

1.1.1.7 Surface Performance for MP Testing Criterion

a. White paper of DFS

b. Formica 0909 (black color board)

1.1.1.8 Cut off Voltage

Cut off Voltage: 2.0V

1.1.1.9 Power consumption: (V bat =3V,on white paper)

Status	Moving	Rest 1	Rest 2	Switch Off	Disconnect
Power consumption	<8 (mA)	<1.2 (mA)	<0.8 (mA)	<0.1(mA)	<0.8mA

(not be moved) 0.3 sec	(not be moved) 20 sec
Working -> Rest 1	Rest 1->Rest 2

1.1.1.11 RF IC (BCM20730)

1.Supply voltage (Vcc): +1.4V ~ +3.6VDC

2.Operation Temperature Range: 0°C to +70°C

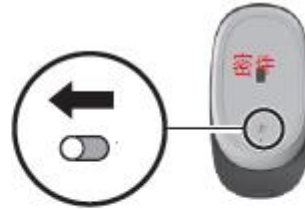
3.Storage Temperature Range: -40°C to +125°C

Electrical Characteristics:

#	Item	TX/ RF Parts
1	Operation Frequency	ISM Band 2.402GHz ~ 2.480GHz
2	Supply Voltage	3.3 Vdc
3	Current consumption	19mA TX at 0 dBm output power
4	Modulation technique	GFSK

Start guide for Mouse(Model HSA-D002M)

- 1) Insert your AAA x2 to Mouse
- 3) Turn functional indicator to Green on bottom of product
- 4) successfully operated



Pairing method: L button + M button + R button + switch on (Timeout after 10 seconds from entering pairing mode)

FCC Statement :

Federal Communications Commission (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 of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment

Industry Canada (IC) Statement

Canada, Industry Canada (IC)

This Class B digital apparatus complies with Canadian ICES-003 and RSS-247.

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.

Canada, avis d'Industry Canada (IC)

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003 et RSS-247.

Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

Canadian Notice (RF Exposure)

To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Avis Canadien

Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.

**RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS**

1. CE EMC must comply with EN55022/55032/EN55024 latest std.
2. Operating temperature
-5 degree C ~ 60 degree C
3. Altitude of operation
Up to 3000m

Manufacturer	HP Inc.
Address	1501 Page Mill Road Palo Alto, CA 94304, USA
Country of Origin	China, USA