



ZIPPY TECHNOLOGY CORP.

Product Spec

V0.4

Name : **Bluetooth Keyboard**

Model: **BT-7730**

Interface: **Bluetooth**

Rev	Description	Modify by	Data
V0.1		Dave	2008/2/22
V0.2	Update the Product name Update the item 1 Update the item 1-1-9. Update the item 2-3. Update the item 3-6. Update the item 3-9.	Dave Kiko	2008/2/25
V0.3	Update the item 1 Update the item 1-1-6 Update the item 2-1 Update the item 3-7 Update the item 8	Dave	2008/2/29
V0.4	Update the item 6 Update the item 7	Dave	2008/3/06

RD Manager : **Magic**

Sales : **Michael**

PM : **Dave**

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1. SCOPE

This specification defines the [RF-ABTKB](#), which are applied to Desktop and LCD Panel PC. It is based on Bluetooth in Windows 2000/XP/Vista & MAC OS V10.3 or higher.

Having a Bluetooth Technology slim keyboard, more clear space free from any cable run in disorder on your Desktop or LCD panel PC.

1-1. General Description

1-1-1. Dimension:

Keyboard: 465.0 (L)*160.2 (W)*18.0 (H) mm

1-1-2. Keys No:

Keyboard: 108 Keys/US&EU versions

1-1-3. Weight (with Mock up):

Keyboard: 578.0±25g(w/o battery)

1-1-4. Key Pitch:

19.0 mm

1-1-5. Interface:

Bluetooth

1-1-6. Keyboard Hotkeys: Volume down, Volume up, Mute 3 button for PC

Volume down, Volume up, Mute Eject 4 button for MAC

1-1-7. Bluetooth Description

Frequency: 2.402GHz~2.480GHz

Channel: 79 Channels

Modulation: GFSK

1-1-8. Switch : Connect Button & On/Off Button

1-1-9. Indicator: Your Keyboard has an LED indicator that indicates

Keyboard status.

Green—Flashes when your Keyboard is pairing.

Red—Flashes when battery power is low.

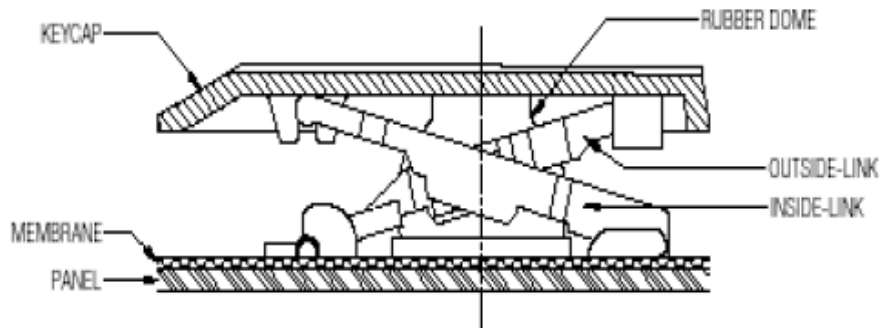
1-1-10. Battery

AA*2pcs Alkaline batteries for keyboard

2. MECHANICAL CHARACTERISTICS

2-1. Scissor-type Key Pad Structure

Refer to attached drawing



2-2. Appearance And Dimensions

Refer to attached “A” drawing

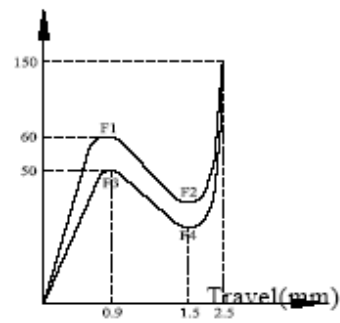
2-3. Material Specification

Parts Name	Material	UL Grade	Color
Keycap	ABS	94HB	1160 White
Membrane	PET	94VTM-2	
Panel	SECC		
Link	POM	94HB	Penetrability White
Rubber	Silicone	94HB	Penetrability White
Top Case	Aluminum		Like MAC
Bottom Case	ABS	94HB	Like MAC White

2-4. Operating Force 58 ± 7 g

2-5. Travel 3.0 ± 0.3 mm

Force(g)



F1: 58 ± 7 g

F2: 30 ± 8 g

F4: Min 20g

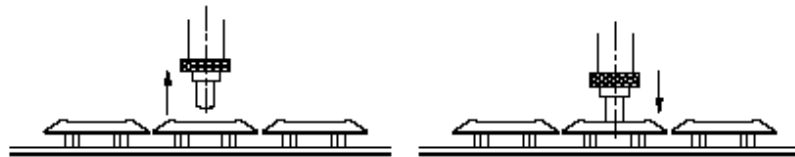
S1: 0.9 ± 0.2 mm

S2: 1.9 ± 0.2 mm

S3: 1.9 ± 0.3 mm

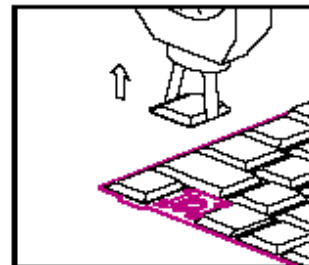
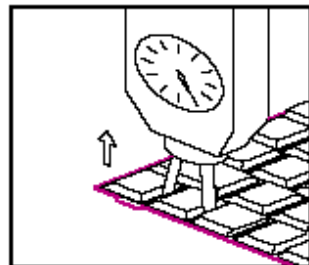
2-6. Key Switch Life (Test)

8 Million life cycle times



2-7. Pull Out Of Keycap

Over 800 g



3. ELECTRICAL CHARACTERISTICS

3-1. Compatibility For Windows 2000/XP/Vista MAC OS V10.3 or higher.

3-2. Bluetooth Technology

Frequency: 2.402 GHz~2.480GHz

Channel: 79 Channels

Antenna: Wire Gain:0

Modulation: GFSK

Bluetooth Identifier: B02795

Product Name: BCM2042-K

Product Category: PROD.

Specification Version: 2.0

3-3 Distance:

Up to 10 meters between Transmitter and Bluetooth dongle for Keyboard.

3-4. Decoder IC

Brand Name: Broadcom

Model Number: BCM2042 BGA88pin

PCS dimension: PCB dimension and layout

3-5. Protocol: USB Interface

3-6. EE Basic Spec:

Operating Mode	Max Current(3.0V)	Max Current(1.9V)
Action mode	2.3mA	4.6mA
Standby mode	0.42mA	0.71mA
Sleep mode	0.132mA	0.135mA

3-7. Battery low Indicator

When the battery voltage is less than 1.9V,the red LED indicator will be flashes.

3-8. Battery

AA*2PCS for keyboard

3-9. Battery Life

Calculation Method (Power 3.0V)

Assumption model 1:

User works 8 hours per day and 5 days per week.

Usage: 2 hours in Action mode, 2 hours in Standby mode and 16 hours in Sleep mode.

	per day	hrs per day	mAh (Avg)
Action	8.3%	2	6.9mA
Standby	25.0%	6	3.39mA
Sleep	66.6%	16	2.16mA
Day (mAh)			12.45mA
Week(mAh)			62.25mA
Battery Capacity	1000mA		
Battery life(week)	16		

4. ENVIRONMENT

4-1. Operation Temperature Range :

0~60°C 0~ 95% RH Max.

4-2. Storage Temperature Range :

0~60°C 0~ 95% RH Min.

5. PRECAUTION

For having Maximum Performance, Please take keyboard away from metallic plate.

6. SAFTY AND STANDARDS:

The keyboard are certified to comply with the limits for Class C computing device Pursuant, to subpart of part 15 of FCC rules and ICES-003 , FCC Form 740 , RSS GEN & RSS 210 mark ; Bluetooth SIG BQB List.

7. ATTACHEMENT DRAWING



8. PACKAGE

8-1. Keyboard : 1 Pcs / inner box

8-2. Manual : 1 Pcs/inner box

8-3. Battery : 2 Pcs/inner box for Keyboard