

SoundPort DirX(SP-DX) User's Manual

1. Hardware

- 1) Bluetooth Core : BC3_Audio FLASH
- 2) Memory: Int. 6MB FLASH
- 3) Ant.: Chip Antenna
- 4) Mic: SDM (Special Directional MIC), Sensitivity : -47dB, CosmoSound Technology
- 5) Switch (3 Button, 1 Slide) : MFB (Multi Function Button) Tact SW
Volume +, Volume – Tact SW
MIC Gain (High or Low) – Slide SW
- 6) Regulator: Integrated Switch-mode Regulator (output : 1.8V)
Integrated Linear Regulator (output: 1.8V)
- 7) Charger: Integrated Battery Charger
(Programmable Current (25~100mA), DC 4.5V~6.5V Input Range)
- 8) Battery: Size : 4.0(T) X 12(W) X 35(L) (120mAh)
- 9) Mini USB Port: DC_IN(5V), SPI, UART

2. Bluetooth Profile & Stack

- 1) Bluetooth Stack V 1.2
- 2) Hands-Free Profile V 1.5
- 3) Headset Profile V 1.1

3. Specification

- 1) Bluetooth
Sensitivity: -84dBm Max0.1% BER
Output Power: Typically 2dBm (Class2)
- 2) Power Consumption
Standby: 1mA
Active Call: About 20mA

4. Features

- 1) Talk Time : Up to 6 Hours
- 2) Standby Time : 120 Hours
- 3) Charging Time : About 2 Hours
- 4) Range : 10 meters
- 5) Battery Type : Lithium-polymer
- 6) Version : Bluetooth v2.0

5. Operating Process

1) Power On/Off

- Power ON

Press Talk button for 2 seconds, Blue LED will blink 3 times when it's Power Off.

- Power OFF

Press Talk button for 6 seconds. Red LED will blink 4 times indicate Power Off.

2) Reset Device List

In order to set Primary AG (Audio Gateway), you should delete address memorized in the headset.

Press Talk button and Vol(-) button at the same time for 2 seconds and more, then Red and Blue LED will blink 2 times.

3) Multi-Point Pairing

Sound Port II has an ability to pair with 2 Audio Gateway or the BT Cell phone at the same time. When you have another incoming call while you are on the phone, you will hear an incoming call signal through the headset. Then the call you've had will be disconnected and the new caller will be connected.

It's possible to have Two Profile (HFP/HSP) connection simultaneously. (Multi-Point Connect function)

To initiate the device pairing, it's required to reset the other AG pairing information memorized on the headset.

Please refers to 2) Reset Device List for the reset method.

Press "Vol(+) button" and "Vol(-)button" at the same time for 2 seconds when it's Power On, it goes pairing mode.

Red LED and Blue LED will blink alternately.

When linking the device supporting HFP first, RED LED and BLUE LED blink for three times which is a pairing mode signal.

Then press VOL (+) and VOL(-) simultaneously again for 2 seconds and more, then the previous connection with AG will be end.

Connect 2nd AG supporting HSP and choose Soundport II from Bluetooth list of AG and press a connection button, then the connection with two devices is completed.

When linking the device supporting HFP first, RED LED and BLUE LED blink for three times which is a pairing mode signal.

Then press VOL (+) and VOL(-) simultaneously again for 2 seconds and more, then the previous connection with AG will be end.

Connect 2nd AG supporting HSP and choose Soundport II from Bluetooth list of AG and press a connection button, then the connection with two devices is completed.

HFP will be primary AG and HSP will be secondary AG.

* Attention facts when pairing with two Mobile phones:

It's unable to pair SoundPort II with a same profile at the same time.

One should be HFP and the other should be HSP. Also if you registered a new AG, press Talk button and Vol (-) button at the same time for 2 seconds and more in order to delete the

pairing information. In this case, the AG with HFP profile should be the primary AG and HSP should be secondary.

<Available Multi-Point Pairing setting up with Sound Port II>

BT Phone A	BT Phone B	SoundPort II
HFP	HSP	OK
HSP	HFP	OK
HFP	HFP	Not support
HSP	HSP	Not support

4. Sending and receiving a call

In order to make a call, press the talk button on the headset, then the call will connect at the primary device.

If you push the talk button shortly, the last number will be redialed and if you press the talk button for 2 seconds and more, the voice dial will be operated.

(Voice dial function will be supported depends on the kinds of Mobile phones)

To receive a call, push the talk button shortly and if you want to reject the call, press the talk button for 2 seconds and more.

If you have another call while you are having a call on the primary device, you will hear the melody from the secondary device. If you push the talk button shortly, the connection at the primary AG will be discontinued and the push the talk button shortly again, the call from secondary AG will be connected.

After complete the call, press the talk button, then you can make another call from Primary AG again.

5. Charging

- Connect the power cable to Mini USB port.

- Red LED will be turned on during charging, then it will be turned off after full charge.

6. Button Operation

* VOL (+/-) Button

- 1) Press "Vol (+) button" and "Vol (-)button" at the same time for 2 seconds, it goes pairing mode.
- 2) Press the Vol (+) button shortly, volume lever will increase by one step. Press the Vol (+) button longer, volume level will increase continuously.
- 3) Press the Vol (-) button shortly, volume level will decrease by one step. Press the Vol (-) button longer, volume level will decrease continuously.

* Talk Button

- 1) Press Talk button for 2 seconds when it's Power Off, it will be turned on.
- 2) Press Talk button for 6 seconds when it's Power On, it will be turned off.
- 3) Press the Talk button shortly to receive a call.
- 4) Press the Talk button for 2 seconds and more to reject a call.
- 5) It will be disconnected when you push the Talk button shortly during the phone.
- 6) If you press the talk button for 2 seconds and more while you are on the phone, phone mode will work on the Mobile phone from Headset.

* MIC Gain Select Switch

- 1) Switch UP: High Gain
- 2) Switch down: Low Gain

6. SoundPort II LED Status

LED COLOR		RED (1)					BLUE (2)				
Status	ON (ms)	OFF (ms)	Repeat (ms)	Flash Num.	Repeat Num.	ON (ms)	OFF (ms)	Repeat (ms)	Flash Num.	Repeat Num.	
Power On	.	.	.	.	.	100	100	0	4	0
Connectable	.	.	.	.	.	100	100	4000	1	0
Connectable/Discoverable	.	.	.	.	.	.	.	.	.	.
Connected	.	.	.	.	.	100	100	3000	3	0
Active Call	.	.	.	.	.	100	100	3000	4	0
Power Off	100	100	0	4	0	.	.	.	.	.
Low Battery	100	100	5000	1	0	.	.	.	.	.
Reset Device List	.	.	.	.	.	.	.	.	.	.
Pairing Successful	.	.	.	.	.	.	.	.	.	.

LED COLOR		ALT (3)				BOTH (4)				
Status	ON (ms)	OFF (ms)	Repeat (ms)	Flash Num.	Repeat Num.	ON (ms)	OFF (ms)	Repeat (ms)	Flash Num.	Repeat Num.
Power On
Connectable
Connectable/Discoverable	100	100	100	2	0	.	.	.	.	.
Connected
Active Call
Power Off
Low Battery
Reset Device List	100	100	0	2	0
Pairing Successful	100	100	0	3	0

FCC compliance Information

This device complies with part 15 of 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.

Information to User

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.

Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.