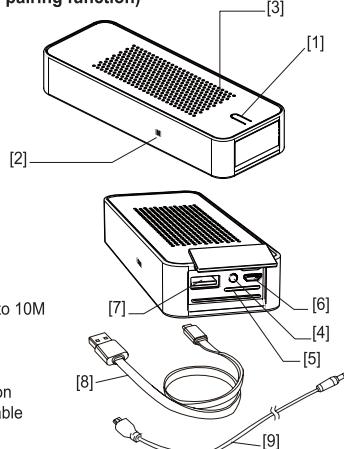


## 'HANDI' Power Bank Bluetooth speaker

## 2-in-1 combo (for smart phones; with NFC pairing function)

- [1] Bluetooth speaker switch with LED
- [2] NFC sensor position (optional)
- [3] built-in mic. for speaker phone function
- [4] charger switch
- [5] 4 LEDs display for charger indication
- [6] input recharging port – micro USB
- [7] output charging port – standard USB
- [8] recharge/charge cord
- [9] AUX - 3.5mm audio cord



## Product Features

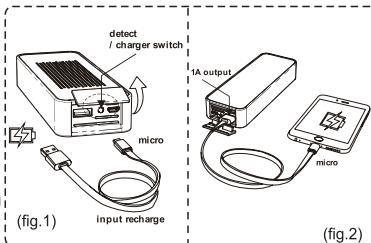
- 'HANDI' portable simplicity design
- 4400mAH Li-ion for power back up
- \*Bluetooth® v3.0 wireless connection up to 10M
- high fidelity 3W speaker
- NFC™ pairing function
- speaker phone function(built-in mic.)
- excellent all-time smart phones' companion
- AUX 3.5mm audio input via. accessory cable
- battery level and charging indications

This superb sound speaker handy device is compliant with Bluetooth v3.0 wireless standard, and powered by its built-in battery which is rechargeable by power from USB AC-DC charger of your smart phone. Its built-in 4400mAH Li-ion battery also feature power back up for charging your smart phone or other portable devices via. USB output port. All functions packed in a compact, handy simplicity bar shape design which is compact and portable. An ideal wireless audio plus backup power, all-time portable companion for smart phones.

## Recharging this power bank speaker

Open the rubber cover as shown (fig.1), connect the micro USB port [6] with the recharge cord [8] and its USB plug to an USB port power source at the other end (AC-DC charger of your smart phone). The 4 blue LEDs will light up and flashing to indicate recharging this power bank speaker. When it is fully recharged (approx. between 5~8 hrs every recharging), all 4 LEDs will stop flashing and stay lit. Then you can unplug the charging cable.

(Note: during recharging your power bank speaker, you cannot use its standard USB port for output charging at the same time)



## Checking your power bank battery level

Open the rubber cover as shown (fig.1), press the charger switch [4] once to turn on level checking, If all 4 charge LEDs [5] are lit = >90% full, If only 1~3 LEDs are lit = 20~80%, If only 1 LED is lit and flashing steadily (every sec) = 10~20% only, and you have to recharge the power bank as soon as possible. If power level < 10%, the power bank will be OFF automatically (refer to "Recharging this power bank speaker" paragraph above)

## Charging your devices

Open the rubber cover as shown (fig.2), connect the charge cord [8] to the standard USB port [7] of the power bank. Then connect the micro USB pin end to your smart phone or device with micro USB input jack. (for iPhone5 or above 'lightning' jacks, a separate micro-to-lightning converter may be provided as optional accessory). Press and hold the charger switch [4] for 3 seconds to turn on the power pack, and the output LEDs [5] will lit continuously to show it is charging your device. In approx. 45 sec. if the product does not detect output loading, it will turn off automatically. Then you need to repeat above steps to turn on the power pack again before you can charge up your devices.

## NFC™ Pairing the Bluetooth speaker with your phone

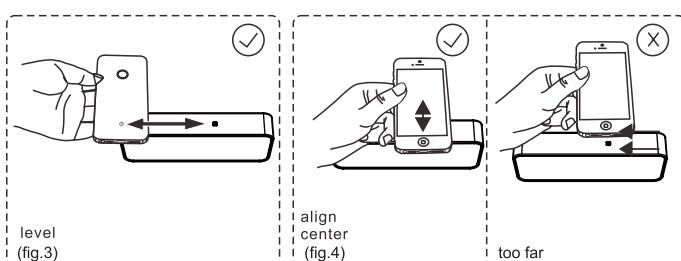
Turn on the speaker by press & hold for 3 sec. the speaker switch [1] at the top panel, and then blue LED is lit around the switch [1] and you can hear a sweep tone indicates speaker is ready. If your smart phone is NFC enabled,

- Firstly, locate the NFC antenna spot on your smart phone (fig.3)
- NFC antenna is now 'at the side' [2] of our PB-0448N device
- Align NFC antennas as close as possible, you will hear a 'clink' sound when they matched (fig.4)
- Wait for a few second and you will hear a "Bloop" sound from the speaker and its blue LED will lit continuously. The pairing is completed now.

## Note-

1. "The N-Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries."

2. Some phone models are NFC enabled, but their NFC Apps were not built-in. For these models you will need to install a NFC Apps and activate the NFC function on your phone. Please visit our website to download the driver installer : <http://www.manova.com.hk/download.php>



## Pairing the speaker (manually)- if your phone is NOT NFC enabled

a.) Turn on the speaker by press & hold for 3 sec. the speaker switch [1] at the top panel, and then blue LED is lit and flashes steadily around the switch [1] and you can hear a sweep tone that indicates speaker is ready. For first time use, the blue LED will be flashing fast (8 times every sec.) to show it is now ready for pairing. Browse your smart phone Bluetooth device list found, and select the one named 'HANDI' to confirm pairing on your smart phone. You will hear a beep tone "Bloop" on the speakers which is sent from your phone, and then the speakers' blue LED is lit continuously. Pairing connection is successful then.

b.) When you need to disconnect the speaker, you first switch off Bluetooth function on your smart phone, the speaker's blue LED will flash slowly (1 time every sec.) Then you switch to OFF the speaker (press & hold for 3 sec. the speaker switch [1] again), the pairing memory will be then kept there. Next time when you turn ON the speaker, it will automatically connect to your smart phone again and blue LED lit continuously on top panel (when your smart phone's Bluetooth function is also ON and nearby <5M).

c) If you need to pair the speaker with a new smart phone, switch off Bluetooth function on your old smart phone first. Then power on your new smart phone's Bluetooth function. After that press & hold for 1 sec. the speaker switch [1] until the speakers' blue LED will be flashing fast again (8 times every sec.), and then you repeat steps as in above paragraph a.).

## Call-pick function

When speakers is connected to your smart phone (blue LED lit continuously), whenever there is an incoming call ring, you can press the speaker switch [1] once on the speakers to pick up and use it as speaker phone. (You may operate your smart phone to transfer the call back to your smart phone)

(Press the speaker switch [1] once again will end the call)

## Speaker- How to Use / Controls

Adjust volume: operate from your smart phone or mobile device.

Next/Previous track: operate from your smart phone or mobile device.

During music playback, press the speaker switch [1] once will pause playback, press again to resume play.

If battery power becomes low, there will be some beeping alert sound during playback, and the speaker LED [1] flashes RED and BLUE quickly (8 times every sec., Red light interval every 4 sec.). Then recharge the speaker as mentioned in above section. (You can play music at the same time while recharging the built-in battery...)

You can use the AUX-3.5mm audio cord [9] connect to smart phones or other player devices for music playback (fig.5). Whenever you plug in the micro (AUX) port [6], the Bluetooth wireless connection will be disconnected. You will need to operate the smart phone or player device.

(You will need to operate the smart phone to resume music playback when you disconnect the AUX cable and use it wireless again, and operate the speaker buttons as usual)

## Specifications:

dimensions:	W 145 x D 53 x H 25 mm
product weight:	215g
Bluetooth wireless connection	v3.0 +EDR; class II; typ. 8M visible distance; max. 10M up to 4 devices**
support multiple pairing:	dia. 34mm
driver:	100 Hz ~ 20,000 Hz
frequency response (0dB at 1KHz):	3W (THD=10%, 1KHz@0dB)
amplifier max. output:	85dB
signal to noise ratio:	min. 3V; max. 4.2V DC
operation voltage	typ. 5V; max. 5.5V DC (via. USB AC-DC charger)
battery recharging voltage	800mA ~ 1,000mA max.
battery recharging current	2.5 hours.
battery recharging time	<=35mA
drain current (power on, no input)	up to 50 hours
playback time	up to 80 hours
(fully charged, volume at 1/3 level)	
standby time	
output voltage:	5V
output current:	2,000 mA max
capacity:	4,400 mAH
cell type:	3.7V Li-ion rechargeable battery
cycle life:	>300 times
DC recharging:	5 ~ 8 hours (via. USB AC-DC 1A charger)

## Caution and Safety

- This product do not support charging for old phone models which required >5V DC charging voltage
- \*This product must be always kept away from moisture, sunlight and heat. It should be stored at cool and dry places\*
- Do not dispose this product to fire
- Be careful of excessive impact, drops that may damage this charger; please discontinue use if damages on the product are found
- Do not dissemble nor modify the charger in any manner, it will be unsafe and void the warranty

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\*Design and specifications are subject to change per technical needs, without prior notice

\*\*This speaker supports pairing 'records' up to 4 devices, but NOT 'connection' to 4 devices at the same time

## **FCC WARNING**

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 1: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.