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1. The Device

1.1 Features:

- Phone Book data transfer via either OPP (object Push Profile) or AT command
- Inverse screen
- Scrolling Caller Name and number
- Supports Phone Status (mobile phone signal strength and battery capacity) of the Bluetooth mobile phone*
- Professional DSP for echo cancellation and noise reduction
- Microphone gain control
- DTMF (DUAL TONE MODULATION FREQUENCY)
- Speed Dialing
- Digital Volume Control
- Dot Matrix LCD
- Call Register
- Voice Dialing
- Screen Contrast Adjustment
- Single HOST and Multi-NEW USER
- Software Upgradeable
- Built-in Battery

BEAN⁺

English

Appropriate to use Bean ...

In Office:

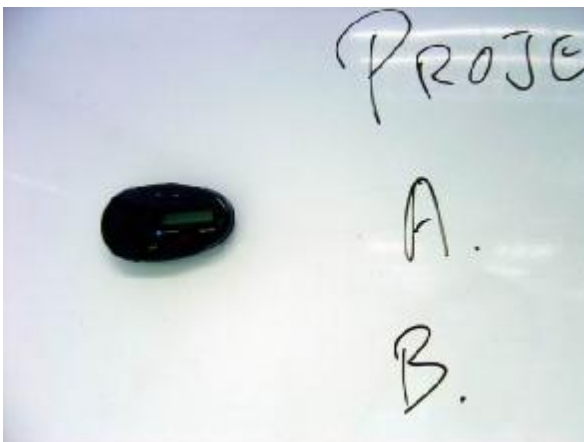


In Car

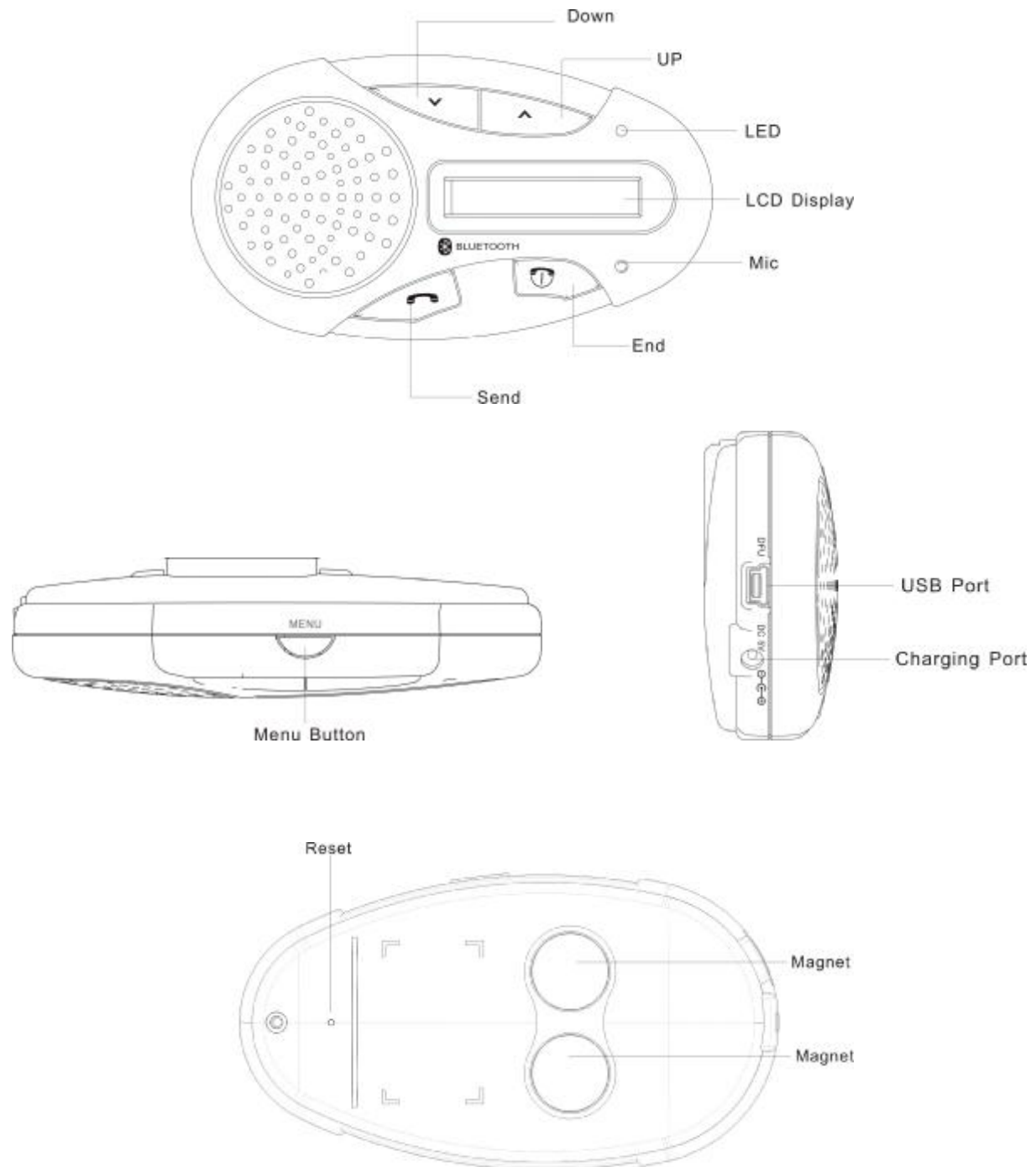
Bean+ is ultra lightweight and petite. You may use wherever you desired, best for *office*, *home*, in *car* and *outdoor*. With its strong magnets and a universal clip, it can stick, clip, and stand at any suitable place. It is flexible, reliable and stylish.








In a Meeting:



1.2 Bean Diagram



1.3 Keys and Functions:

	
<ul style="list-style-type: none"> • Receive call • Voice dialing • Conversation transfer • Yes • Bluetooth link connection 	<ul style="list-style-type: none"> • End call • Reject call • No • Power on / off (press and hold for 2 seconds)
	
<ul style="list-style-type: none"> • Volume + • Upward • Leftward • Microphone gain control + 	<ul style="list-style-type: none"> • Volume – • Downward • Rightward • Microphone gain control -
	

DTMF (Dial Tone Modulation Frequency): Activate only during the line is connected.

Phone book

- ☐ Transferring the phone book contacts from mobile phone and SIM to Bean+
Via OPP (transfer from mobile phone to Beam+), details of operation please refer to operation menu of the mobile phone or Via AT command (transferring phone book contacts from mobile phone and SIM to Bean+) requisition and activated by Bean

LCD setting

- ☐ Contrast
- ☐ Inverse screen

Disconnect BT

Speed Dialing

- ☐ Offer 3 slots memory for speed dialing

Del Phone Book

- ☐ Delete entire phone book entry

1.4 Indicators:

LCD Display Indicators:

	Welcome Screen
	BT Paring Mode
	BT Paring Successful
	BT Search Mode (BLINKING)
	BT Disconnected
	Incoming Call
	Missed Call
	Outgoing Call
	Menu
	Reception signal strength Indicator (for mobile phone only)
	Battery level Indicator (for mobile phone only)
	Call Transfer to Mobile (During a call)
	Line Switching in Call waiting
Guest	Guest User Status
New Host ?	Guest User to Member user
	Voice Dialing
Call Register	Call Register
	Volume Indicator
	AT Command Inquire
	AT Command Phone Book Transfer in process
	AT Command Phone Book Transfer Finished
	OPP phone book in process

*BT: Bluetooth TM

LED Indicator:

Red light	Steady: Battery charging in progress
	Blinking (every 1 second): battery in low level, recharging is recommended
Green light	Steady: Battery is fully charged

1.5 Accessories:

		
USB Car Charger	USB Charge Cable	Universal Sun Visor Clip





2. Get Started**2.1 Charging:**

Hint: To prolong the battery life, it is highly recommended to charge continuously for at least eight hours before use.

2 Way to Charge Bean:

USB Charging	1. Connect the USB to a computer 2. Connect the DC power jack of the Bean
Cigar lighter Charging	1. Connect the car charger to a power outlet 2. Connect the USB to the car charger 3. Connect the DC power jack of the Bean



2.2 Power on:

1. Power on the unit by press and hold  button until you see a welcome note **BLUETOOTH**; afterwards, Bean will enter search mode
2. Bean will stay in search mode  for 20 second
3. If no device was found, ! will display on the screen. To search again, press  once to activate search mode.
4. If there is no connection for 5 minutes, Bean will automatically power off.

Before pairing,
please make sure
Bluetooth mode on
your mobile phone is
activated

2.3 Pairing / Connecting the Bean:

2.3.1 First time pairing


1. Use your mobile phone to search Bean*. **Please note that your mobile cannot find Bean when Bean is in search mode.** Please wait until Bean is no longer searching or simply press  to search mode.
2. After Bean was successfully found by your mobile, the ID of Bean is **"BLUERADIO"** and it will display on your mobile when linked.
3. Enter **"1234"** when a passcode is requested.
4. Bean will display  to indicate pairing is successful.

For more detail about Bluetooth Pairing/linking, please refer to the operation manual of your handset.

2.3.2 After Pairing is done:

After pairing, it will automatically enter host registration.
(Please refer to page 10 for more detail)

2.3.3 Connecting

After pairing, you can connect the Bean via your mobile or by pressing the  button of Bean once. Make sure Bluetooth has been activated on the mobile phone before pressing the button.






(Please refer to your mobile's operation manual about connecting Bluetooth device)

Once it is connected, user will hear "Beep" once and the mobile's ID displays on Bean's screen. ex:  **MOTOROLA V3** 

2.4 Setting up the Bean

**Setup function only available when Bean is connected to a device.

2.4.1 LCD Display:

1. Press 
2. Scroll the menu by pressing  or  until you see  **lcd setting** 

* Please refer to your mobile phone's operation manual.

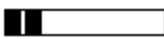
3. Press  to enter

In the LCD Setting menu, there are two options:

- Contrast
- Inverse screen


Scroll above setting by pressing ▲ or ▼, then press  to enter

2.4.1.1 Contrast

4. In the contrast menu, you will see . This is the status bar showing the contrast of the LCD Display. There are 10 levels which user can adjust by pressing ▲ / ▼ to their desired level.

5. Press  to save setting

2.4.1.2 Inverse Screen

1. Press  once, the text of Bean's screen will automatically inverse from current view. To exit, press  to return to previous menu.

2.4.2 Volume

User can adjust the volume by pressing the ▲ or ▼ during a call.







2.4.3 Ring Volume

User can adjust ring volume level by pressing the button ▲ or ▼ in the root.

3. Making Call

User can make call either from mobile or Bean


3.1 Making Call using Phone Book

1. Press 
2. Scroll the menu by pressing ▲ or ▼ until you see  Phone Book 
3. Press  to enter Phone Book
4. To reduce search time, press  once and scroll the first character of the desired name by pressing ▲ or ▼, then press  to start making call **OR**



To setup phone book,
please refer to Page 10
"Phone Book" for detail

5. Search for the desired name by pressing ▲ or ▼. Press  to make call

View the phone no. of the contact: Select the contact name, and then press

 once. Press  to return to previous menu

3.2 Making Call from Call Register / last dialed number

1. Press 
2. Scroll the phone list by pressing ▲ or ▼ until you find the desired dialed number, the press .

For incoming, outgoing or missed call indicator, please refer to page 5 "Indicator"

To setup speed dialing, please refer to Page12 "Speed Dialing" for detail

3.3 Making Call though Speed Dialing

1. Press and hold either ▲, ▼ or M for 2 second
2. Call will automatically dial out

3.3 Receiving Call

User can receive call either through the mobile or Bean

To receive Call using Bean, simply press .

3.4 Caller ID Display

Caller ID display is a network service, please consult your network provider for details.

Caller ID can be displayed in 2 ways

1. By Name

Bean can display the caller's name when receiving call. To display the caller's name, the name must be stored in the phone book.

2. By Phone Number



Phone number will be displayed if there is no record in the phone book

3.5 Rejecting Call

To reject call, simply press  or through mobile

3.6 Voice Dialing

To Enter Voice dialing mode

1. Hold  key for 2 seconds
2. Speak the name after the tone
3. If failed to recognize, you will hear a beep tone twice, press  to exit and repeat above procedures.





To setup voice dialing, please refer to you mobile's operation manual.

3.7 Options during a call

3.7.1 Call Waiting:

**This is a network service , consult your Network provider for details

Accepting new call during a conversation

1. Press  and it will automatically switch to Line2
2. To switch between to Lines, press  and display will show

3. Press ▲ or ▼ to choose
4. Press  to confirm

3.7.2 Transfer Call between mobile and Bean during conversation *

Press  for two seconds.



3.7.3 Mic Gain control and Mute

Mic Gain:

To increase Microphone Gain, hold ▲ for 2 seconds.

To decrease Microphone Gain. hold ▼ for 2 seconds

Mute

To mute the mic during a call, simply press  . To cancel, press  once again.

2.7.4 DTMF

To use DTMF Function during a call:

1. Hold  for 2 second.

* Once the call was transferred from Bean to mobile, some mobiles will no longer allow the call transfer back to the bean






2. Scroll the desire number by pressing ▲ or ▼
3. Press Send to dial



4. User Registration

4.1 Host Registration / Guest Registration

Host Registration is required because ONLY host has the right to change setting and access the phone book. This feature provided is to secure the phone book visibility and delete can ONLY be made by current Host (current mobile phone user).

When Bean connected with a new device, it will automatically ask for user registration.

1. Follow the procedures on how to pair and connect the Bean (Please refer to page 7)
2. Connect the device with Bean
3. You will see "NEW HOST?" on the LCD screen
4. Press  to become a Host or  to become a Guest (Screen will show **Guest** if  is pressed)
5. If you press  to become a new host, Bean will ask to delete the phone book (In case Bean stored some contacts by the last user, it must be deleted before new Host can be registered). Press  to accept and finish the Host registration process.

PLEASE BE AWARE THAT ONCE YOU PRESS , ENTIRE PHONE BOOK CONTENTS WILL BE DELETED. However, if you are denied to delete the phone book, press  and you will automatically assign as a Guest.

Guest has the right to adjust volume and microphone gain only.

5. Call Feature

5.1 Phone Book




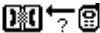


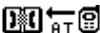



AT command and OPP (Object Push Profile)* function can automatically transfer the contacts from mobile to Bean

5.1.1 AT Command

To Transfer the Phone Book **from mobile** via AT command:

1. Press 

* Not all mobiles support AT command, OPP or Both.



2. Scroll the menu by pressing ▲ or ▼ until you see  Phone Book 
3. Press  to enter Phone Book Transfer Inquire 
4. Press  to start or Press  to exit
5. When contacts transfer is processing, LCD will show  AT  and flashing
6. Once transfer was succeeded, it will indicate  OK 

Bean supports single contact or group contacts transfer via OPP function**.

For detail operating procedures please refer to your mobile phone's user manual.

5.1.2 OPP (Object Push Profile)






To Transfer the Phone Book **from mobile phone** via OPP:



1. Disconnect Bluetooth link from Bean setting (If it is currently connected)
2. Do the proper setting on the mobile phone for copying and transferring the contact from the mobile phone to Bean
3. When phone book contacts is transferring, display shows
“  OPP  ”
4. After transferring done, display shows “**xxx records**”. The “**xxx**” represent the total contacts which have been successfully transferred to Bean
5. Connect the Bean again.
6. Access phone book in Bean to check whether the contacts were successfully transferred

5.2 Speed Dialing

In order to use Speed Dialing, user must have already setup the phone book.

5.2.1 Setup speed dialing:









1. Press 
2. Scroll the menu by pressing ▲ or ▼ until you see  Speed Dialing 
3. Press 
4. Browse for empty slot by pressing ▲ or ▼, there are totally 3 slot, each slot is representing by ▲, ▼ and M
5. Once you find an empty slot. Press 

6. Browse the phone number that you wish to set as speed dial
7. Press  to confirm
8. To exit, simply press  to return to main menu







5.2.2 Modifying / Deleting Speed Dialing Number

Once you have setup a number in a slot, you are required to delete it before setting up a new number on the same slot.

To delete a number in Speed Dialing Entry

1. Press 
2. Pressing  or  until you see  **Speed Dialing**, then press 
3. Browse for the slot which you would like to modify
4. Press  twice, and the screen will show **Delete?**.
5. Press  to confirm or  to cancel.

5.3 Deleting Phone Book entry

1. Press the 
2. Scroll the menu by pressing  or  until you see **Del Phone Book**.
3. Press  to enter
4. Display shows **Are you sure?**
5. Press  to confirm
6. While delete is processing, it will display **Deleting PB**
7. Display shows **Deleted ALL** when Phone Book is cleared
8. Press  to return to Main Menu

Phone status showing: It is depending on the availability and provides by the connected mobile phone

Mobile phone couldn't Pair with Bean:

1. Please power off and on again Bean then repeat the pairing procedures again.
2. Set off all other Bluetooth devices before start pairing.
3. Either Bean+ and the mobile phone are able to be master or slave to pair with other Bluetooth device, however pairing will not work if those are being master or slave at the same time.

Changing new host: the current host will be replaced after paired and registered with the mobile phone **(Be careful the old phone book data will be erased after new host registration done).**

Loudspeaker sound level too low: Please increase the volume level to maximum on the mobile phone during conversation.

Voice too low to be heard from the person who talking to Bean user: Do the following steps while conversation in progress

1. Adjust the microphone gain to maximum on Bean
2. or the person who talking to Bean user adjust his/her mobile phone volume to maximum.

Strong echo heard from the person who is talking to Bean user: During Conversation Transfer the call to mobile and listen. If echo disappeared, please transfer the call again from mobile phone to Bean and lower the loud speaker until echo is eliminated. If the echo is still remains, that means the echo is generated by the network provider or mobile phone itself. Bean is unable to cancel it.

Loudspeaker volume of Bean+ too low or high and impossible to adjust it: Please adjust the volume directly on the mobile phone as desired, then fine tune it by the volume control of Bean+.

The number dialed by mobile phone couldn't be found from Bean+: All number which are dialed directly from the mobile are unable to save in Bean+, please check it on the mobile phone.

The LCD display frozen or all buttons disabled: Reset Bean+ by press and hold the

reset button for min. 2 seconds. It will restart again but all data will be lost.

Missing battery and signal indication: Since some mobiles do not support this feature, therefore, you will find that there is no indication showing on the screen

USB Port : Provided to upgrade the software.

The device does not transmit while being connected to AC Powerline via USB cable to a PC/Laptop/AC-Charger.

All features are subject to change without notice

Specification:

ITEM	Unit
MIC Sensitivity	-60 +/- 2dB
Speaker	8ohm / 1W
Input Voltage	4.0V
Battery	Li-ion 3.7V 650mAh
Frequency Range	2400MHz to 2483.5MHz
Working Current	100mA
Standby Current	3.5mA
Operating Temperature	-10 ~ 50 C°
Storing Temp	-20 ~ 60 C°
Talking Time	10 Hours Max
Standby Time	200 Hours Max

*Battery Life Recharge is subject to change due to the condition of usage.

***** Caution *****

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.

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

FCC statement

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.