

# BeamMobile

The beam to GSM solution by Alvin Mok

This user guide is for BeamMobile 2.2. It has the following sections:

- [Installation](#)
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For questions not listed, please [e-mail me](#). This guide is updated from time to time.

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## Installation

### Basic requirements

- English version requires Palm OS 3.0 and 35 KB of RAM
- Other versions require Palm OS 3.1 and 35 KB of RAM
- Note: Palm OS 3.0 users are entitled for a [free upgrade to Palm OS 3.3](#).

### After HotSync or beam receiving:

- BeamMobile is automatically placed under 'Utilities' under OS 3.5 or above; otherwise, it is under 'Unfiled'.
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## General Operation

### Moving around:

- BeamMobile has four panels. You can move to another panel using the pop-up list at the upper-right corner of the screen. The four panels are:
  - Address - for sending contacts in your Address book
  - Date Book - for sending events in your Date Book
  - Name Editor - for composing contact not in your Address book
  - Event Editor - for composing event not in your Date book
- You can select your sending options under the **Preferences** of the Address or Date Book panels

### Beaming a contact from the Address Book browser:

- Choose **Address** from the list in the upper-right corner of the screen
- Choose the desired contact
- Pick the desire phone number by tapping on the right side of the phone number (the change is

made temporarily)

- Make sure the infrared on the phone is [turned on](#)
- Align the infrared windows of the phone and your Palm OS handheld
- Tap the **Beam** button

### **Beaming an event from the Date Book browser:**

- Choose **Date Book** from the list on the upper-right corner of the screen
- Choose the desired event, then the [event kind](#) (next to the **Send** button)
- To modified the alarm, tap the alarm or the dash icon on the right and make changes (the change is made temporarily)
- Make sure the infrared on the phone is [turned on](#)
- Align the infrared windows of the phone and your Palm OS handheld
- Tap the **Beam** button

### **Beaming a contact (business card) from the Name Editor:**

- Choose **Name Editor** from the list in the upper-right corner of the screen
- Enter the name on the first line
- Enter the phone number on the second
- Make sure the infrared on the phone is [turned on](#)
- Align the infrared windows of the phone and your Palm OS handheld
- Tap the **Beam** button

### **Beaming an event from the Event Editor:**

- Choose **Event Editor** in the upper-right corner of the screen
- Name the event
- Enter the place for the event (useful with an Ericsson phone or a Nokia 3650/7650)
- Choose the [kind of event](#), not all kind of events are supported by the phone
- Choose the date and the time
- If you want to set a reminder alarm, check the Alarm box and enter the time you want it to go off before the event
- Make sure the infrared on the phone is [turned on](#)
- Align the infrared windows of the phone and your Palm OS handheld
- Tap the **Beam** button

### **Receiving a contact (business card) from a Nokia:**

- Choose the name on your Nokia
- Press the 'Option' key and highlight 'Send via IR'
- Align the infrared windows of the phone and your Palm OS handheld
- Press the 'Select' key

*Note: this option might not work with all Nokia phones. Beam directly to the Address book is preferred.*

### **Saving a contact (business card):**

- On the Name Editor, tap the **Save** button

- Choose the format of the name
- Choose the category for the business card
- Tap the **Save** button

### Receiving an event (calendar note) from a Nokia:

- Choose the event under the Calendar menu on your Nokia
- Press the 'Option' key and highlight 'Send via IR'
- Align the infrared windows of the phone and your Palm OS handheld
- Press the 'Select' key

*Note: this option might not work with all Nokia phones. Beam directly to the Address book is preferred.*

### Saving an event (calendar note):

- On the Event Editor, tap the **Save** button
- If you want to save also the place for the event, select the **Store location as notes** option
- Tap the **Save** button

## Advanced Operation

### Using event kinds:

- The event kinds listed on BeamMobile are recommended ones. Support of these events varies among phone manufacturers and models. You may want to find out which are the ones accepted by a particular phone by experiments. Here are the supported ones on Ericsson, Nokia and Siemens phones:

Event kind	Ericsson	Nokia	Siemens
Appointment	Appointment *	-	-
Birthday	Anniversary *	Birthday	Birthday
Holiday	Holiday *	-	-
Meeting	Meeting	Meeting	Meeting
Memo/Reminder	Reminder	Reminder	Memo
Phone Call	Phone Call	Call +	Phone Call
Travel	Travel *	-	-
Vacation	Vacation *	-	-

- The Ericsson R320s does not support event kinds marked with asterisks above. Ericsson phones allows up to 36 characters in the event description and 20 characters for the location.
- The Nokia 3650/7650 does not support phone call events.
- Some older Nokia phones accept only the first 20 characters when sending with the event kind of *Meeting* or *Birthday*. Additional characters can be entered on the phone by editing the event.
- Additional outdoor activity event kinds on the Nokia 5210 are not supported by BeamMobile.
- Siemens phones accept only the first 16 characters of a description. The ME45/S45 extend the limit to 20.
- *Note: limits on text length are subject to manufacturers specifications.*

### Preparing birthday reminders for Nokia phones:

- To set an age for a birthday, write the event in this format:  
     <4-digit year-of-birth> <space> <your message>
- If the year-of-birth is omitted, it is assumed the year of today.
- Make sure you select *Birthday* as the event kind before sending.

### Preparing phone call reminders:

- Just enter a phone number as the event and select *Phone Call* as the event kind before sending.
- BeamMobile assumes phone call events in this Nokia-defined format:  
     <phone-number> <space> <name-of-the-callee>
- If the phone number, that is, the first word of the event, contains alphabets, BeamMobile will convert them to numbers, the rest will be left untouched.
- Virtually all Nokia phones ignore callee names upon receiving.

### Sending ringtones via SMS (for Palm OS 4.0 or above)

- First, you must have the SMS Library installed. Check with the user manual of your handheld about installing it. Second, check the **Phone** panel under **Prefs** that the desired phone driver is chosen. [Download one](#) if it is not listed.
- Activate the [infrared port](#) or [Bluetooth](#) of your phone
- In BeamMobile, choose a record and select **Send Record** from the menu; select **SMS** and proceed if you are asked to choose a send method.
- Choose or enter a phone number when you're asked and tap the **Send** button.  
*Note: you cannot send SMS via the Nokia 6110/6150 infrared port.*

### Sending ringtones via Bluetooth (for Palm OS 4.0 or above)

- First, you must be using a Bluetooth adaptor and have the appropriate drivers installed. Please refer to the user manual of your Bluetooth adapter for details.
- Activate [Bluetooth](#) of your phone
- In BeamMobile, choose a record and select **Send Record** from the menu; select **Bluetooth** and proceed if you are asked to choose a send method.
- Follow the instructions on the screen to select the receiving device.

## Infrared and Bluetooth Information

### Using the infrared port on an R- or T-series Ericsson phone

- Exit to the main screen (where you see the battery gauge and signal levels).
- Scroll to the 'Extras' menu and choose 'Infrared Port'
- Select either the 'On' or '10 minutes' option.
- The build-in infrared port is located on the right side of the screen.

### Using the infrared port on a Nokia phone

- Exit to the main screen (where you see the battery gauge and signal levels).
- Press the 'Menu' key and quickly the '9' key.  
*Note: some models, such as the 5210, has the IR menu on Menu 8.*
- The phone will acknowledge with the message 'IR activated'.
- For the 6100 (single or dualband), 6200, 6300, 7100 and 7200 series and the 6800/7650, the

infrared port is at the top.

- For the 6500, 8300 and 8900 series and the 5100/6100, the infrared port is at the right side of the screen.
- For the 3650, the infrared port is at the left side of the screen.
- For the 5200, 8200 and 8800 series, the infrared port is at the left side of the keypad.

### Using the infrared on my Siemens phone

- Exit to the main screen (where you see the battery gauge and signal levels).
- On an S25/S35/SL42/SL45/SL45i, choose 'Menu', 'Setup' and then 'IrDA'.
- On an S40, enter the 'List' menu and choose 'IrDA operation' and 'Receiving'.
- On an ME45/S45, choose 'Menu', 'Setup', 'Connectivity' and then 'IrDA'.

### Using Bluetooth on an Ericsson

- Exit to the main screen (where you see the battery gauge and signal levels).
- Scroll to the 'Extras' menu and choose 'Bluetooth'.
- Select either the 'On' or '10 minutes' option.

*Note: on a T68 or a T68i, the blinking **blue LED** indicates Bluetooth is on.*

### Using Bluetooth on a Nokia

- Exit to the main screen (where you see the battery gauge and signal levels).
- Scroll to the 'Bluetooth' menu and press 'Select'.
- The phone will acknowledge with the message 'Bluetooth activated'.

*Note: Bluetooth is build-in on a 3560, 6310, 6310i, 7650, 8910 and 8910i. It is an option for the 6210.*

### Locating the infrared window on your Palm OS handheld

- It is on the top of most handhelds or smartphones.
- For AlphaSmart Dana, it is at the back.
- For Handspring Visor, it is at the upper-left or middle-left (Visor Edge) side.

### Turning the infrared on and off on the Palm OS handheld

- BeamMobile turns on the infrared for sending and receiving and restores your preference when exiting.

### Distance between devices:

- The best distance for Bluetooth transmission is within ten metres or thirty feet.
- The best distance for infrared transmission is within one metre or three feet.

## Setting Preferences

### Address book browser:

- General - sending options for all phones
  - To format name, choose a style from the **name format** list  
this option is available to all non-Symbian-based Nokia models, Siemens S25 and S35 series as well as devices recognizing the [vCard 2.1 formatted name](#) property.
  - To remove text like "ext. 123" from numbers, select **Neglect PABX extension**.

- To convert domestic numbers to the international form, select **Use country prefix** and enter the country prefix.  
For example, 012345678 becomes +3312345678.  
It doesn't translate numbers begins with '00'.
- Basic phonebook - sending options for phones the allow only number per name.
  - To add a number indicator after a name, pick a style from the **Suffix** list.
  - To limit a size of a name, including the chosen suffix, select **Limit name to** and enter the maximum characters allowed.
- Advanced phonebook - sending options for phones with PDA-liked phonebooks
  - To suppress certain **Numbers and e-mail** or **Additional info** from beaming/sending, uncheck them accordingly.

### **Datebook browser:**

- You can send events as **vCal** or **vNote**. vNote is support on some advanced phones such as the T68i. If you're not sure, choose **vCal**.  
*Note: reminder alarms are ignored by the vNote format.*
- The following options is available for the vCalendar only:
  - You may suppress alarms or notes from beaming/sending
  - To use Notes as the location for an event, select **notes** as well as **as location**.  
useful with Ericsson phones or the Nokia 3650/7650.

**Important:** phones may not accept everything you beam/send to them.

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## **Using Sony JogDial and Treo Jog**

### **Under the Address book and the Datebook browser:**

- On a Sony, roll the JogDial to selection an item.
- On a Treo, roll the Jog to move up/down one page at a time.
- Click the Jog/JogDial to send the selection.

### **Under the name and the event editors:**

- Click the Jog/JogDial to send.

### **Under the Address browser preferences:**

- Click the Jog/JogDial to cycle thru panels.
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## **Troubleshooting**

### **Can I send Asian characters?**

- Many phones requires those in [Unicode](#) while there is no such support on Palm OS, including Palm OS 5.1.

### **Can I send and receive European characters such as French or German?**

- Yes, but Western European (Latin-1) versions limit to those in the GSM character set (GSM 03.38). This includes all the alphabets, numbers and symbols on an English keyboard plus the following:

£ ¥ è é ù î ò Ç Ø ø Å å Æ æ ß É ø ; Ä Ö Ñ Ü § ç ä  
ö ñ ü à

### **Can I send Central or Eastern European characters such as Czech, Greek, Russian or Ukrainian?**

- Yes, Latin-2-, Greek- and Cyrillic-enabled versions are available separately. Supported character encoding schemes include Windows and ISO 8859 family. Please refer to the [download section](#).

### **Can I receive Central or Eastern European characters?**

- No, all versions of BeamMobile assumes received text in the Latin-1 character set.

### **My phone complains that the name for a business card has more than 12 characters.**

- If you are storing a name into the SIM card, please make sure the name has no more than its character limit. Many old SIM cards have a limit of 12 characters. You may use the **Limit name to** option under the **Basic phonebook** section of the **Address book browser prefs** to help truncating names

### **Many phones allow name records to hold multiple phone numbers, how can I enter multiple numbers on BeamMobile?**

- BeamMobile will send all phones associated with a name record under the Address Book browser but limits to one number under the name editor.

### **Some records are missing from the Address Book.**

- Private records are not shown if the security level is set to **Mask Records** or **Hide Records**. Set it to **Show Records** to see all records.

### **Some records are missing from the Date Book.**

- Private records are not shown if the security level is set to **Mask Records** or **Hide Records**. Set it to **Show Records** to see all records.
- Records not later than *now* are never shown.
- Repetitive records are ignored.

### **I have trouble beaming unless I turn off my overclocking software (AfterBurner, FastCPU, etc.), what's wrong?**

- Since infrared is sensitive to the system speed, you must set it to the normal system speed for the best performance. This affects to all kinds of beaming operations. If your overclocking utility allows, please exclude BeamMobile from overclocking.

### **I used the 'Print via IR' to beam a records from my Nokia, nothing happens.**

- The 'Print via IR' function is designed to work with IrDA-capable printers, please use the 'Send via IR' to beam to BeamMobile.

### **The infrared on my phone is on but BeamMobile reported it could not find an IR device.**

- Please ensure your Palm OS handheld has sufficient battery power since Palm OS will shut off the infrared port when battery is low. Otherwise, please try again. You may want to turn on the infrared on your phone again.

### **I cannot receive normal Palm apps or data when BeamMobile is active.**

- BeamMobile listens to Nokia 6110-style beaming information when it is active. Please exit BeamMobile to receive normal beaming.

### **The contact/event I have saved doesn't update the old one.**

- BeamMobile, like the Address book or Date Book, doesn't sync records. You have to edit them manually.

### **Should I install the Enhanced Infrared Update?**

- The [Enhanced Infrared Update](#) is not used by BeamMobile thus has no effect on its performance.

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