

# BluetoothControl

## Centrafuse™ Plug-in



## User Manual

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## What is it good for?

This plug-in allows you to control and handle the Broadcom Bluetooth environment (a.k.a. the Bluetooth Neighbourhood) in a much more comfortable way within Centrafuse™.

It allows you to list devices and the services of these devices and also to handle the services (such as connect / disconnect or browse FTP folders – if available).

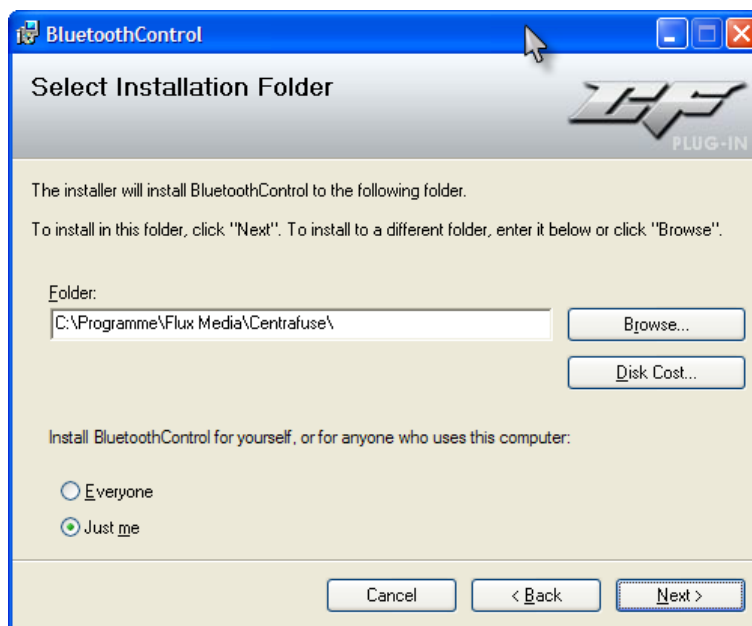
## Prerequisites

To run this plug-in within Centrafuse™ you need to have a Bluetooth dongle installed running the Broadcom (formerly known as Widcomm) Bluetooth drivers. If these drivers are missing, the plug-in won't start but it will display a message box stating that the Bluetooth driver isn't running.

**Note:** Be aware that this plug-in will **not** work with either the Microsoft® Bluetooth stack coming with Windows™ XP nor with the BlueSoleil stack.

## Installation

To install BluetoothControl, simply run the **setup.msi** contained in the ZIP file you've downloaded. When the setups prompts you, please check (and correct if necessary) the path where Centrafuse™ is located otherwise you'll be unable to use that plug-in.



As usual, after the installation you will find it in the **Plugins** folder of Centrafuse™.

## Start up screen


After you open the plug-in, the first screen will show the Bluetooth devices in range. These devices may have been scanned in earlier sessions or the Broadcom "Bluetooth Neighbourhood". This means, that the devices shown here may not be present but they're rather being cached by the system.

The following picture shows you the start up screen:



As you see in the picture above, you have several controls to handle this plug-in. These controls are:

1. The header bar containing the current level and the information of how much entries you have in the current list as well as the number of the currently selected item
2. The refresh button that will re-inquire the current list (the function behind depends on the current level)
3. The additional buttons (the function behind depends on the current level)
4. The scroll buttons for the main list
5. The forward / back buttons to navigate between the levels.
6. The image preview and progress bar area
7. The status bar which will display additional information on demand

Devices with a folder icon  are already paired with the PC and can be used instantly. Others have to be paired<sup>1</sup> before you can access the services on this device.

**Note:** Amongst the devices you will find an entry that is named as like as your computer. This device will list the services supported by the local Bluetooth device.

<sup>1</sup> For more information about pairing Bluetooth devices please read the manual of the Broadcom drivers or the device you want to pair with.

## Other screens

To select a device simply move up/down in the list and hit the forward button to retrieve a list of supported services on that particular device. For example:

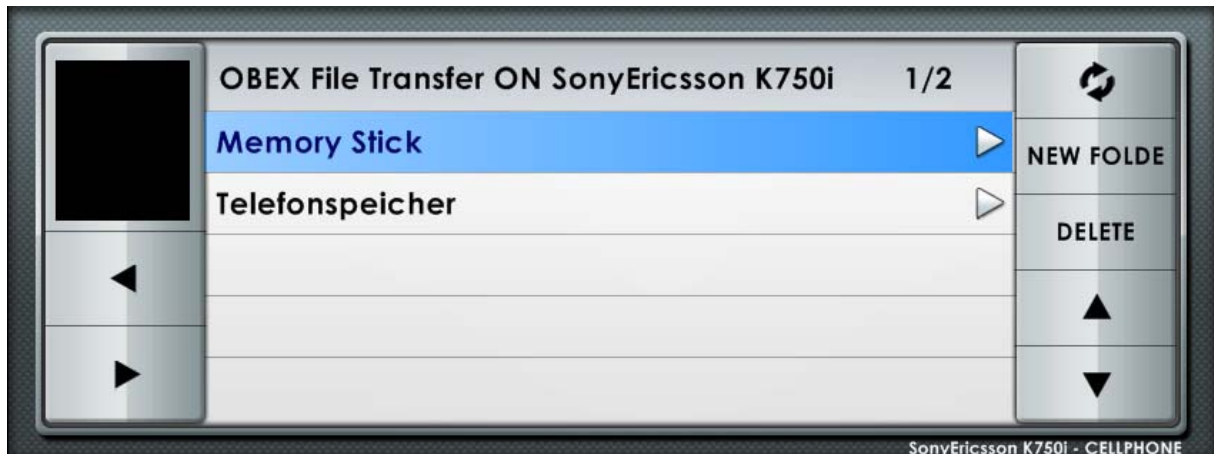
### OBEX File Transfer service



After selecting the **SonyEricsson K750i** device you will get the services (a.k.a. profiles) supported by this phone.

A folder icon on an entry will indicate that this service has more to show, such as folders containing files on that device.

Let's try to sure the phones file system and hit the forward button on "OBEX File Transfer". You will get the root FTP folder, which may contain files but also sub folders.



As you'll see, the list gets filled with two more folders provided by the phone. Don't get fooled by the folder names. Almost every Bluetooth device will use localized names. You see that the additional buttons have changed their names, indicating that here some special action will take place. In this case you could create new folders or delete existing ones.

**Note:** Deleting folders or creating new ones may not be supported by the device and therefore these actions may fail.

Let's navigate one level deeper and view the contents of the folder **Telefonspeicher**.

As you see in the following picture, this folder has a sub folder and some files in it.



As you browse through the list of files, a timer for the automatic image preview will start. As soon as the timer expires, the index file will be downloaded in order to create a preview image. This action is being indicated by the progress bar in the preview image area.

**Note:** Images that were downloaded once within a Centrafuse™ session will be cached. Therefore you'll get the preview image immediately as you select the according entry.

**Note:** Selecting another entry while a preview image download is in progress will cause the current download to be aborted. This may be noticed and prompted by the device.

**Note:** The automatic image preview can be enabled or disabled in the setup dialog of BluetoothControl permanently or temporarily by double clicking the preview image.



After the picture has been downloaded, it will be shown in the preview area.

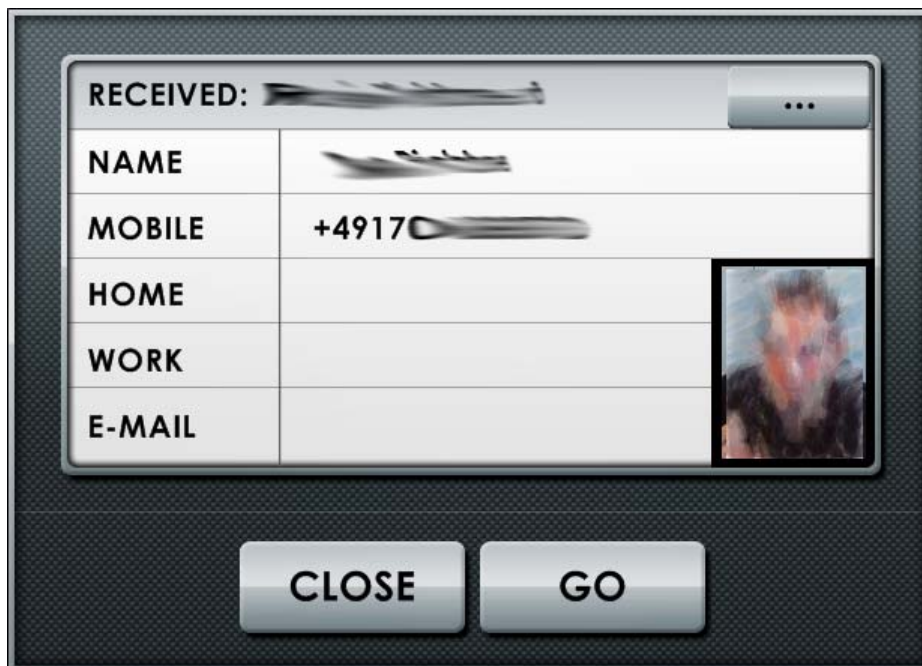
If you like to copy that file to your computer, simply click the COPY button. The file will be copied to the configured destination folder (which is **\My Documents\My Pictures** for images **\My Documents\My Music** for music files and **\My Documents** for all other files by default).

## OBEX Object Push service

Let's move to another service of the **SonyEricsson K750i**, the OBEX Object Push. This service allows you to exchange contact data with the device. By default a contact file named **BTvcard.vcf** will be used for exchange. This file is usually located in the **\My Document\Bluetooth-Exchange Folder** on your computer. By hitting the button GET, the plug-in will attempt to download the default contact information from the device. With the SEND button it'll upload your contact information to the device.



If someone initiates a Push operation from a device you will be prompted to either allow or deny this action. If you allow it, the vCard or vCalendar item will be sent and stored in the Bluetooth-Exchange-Folder as well. BluetoothControl will display the contents of this file in a separate dialog box.



**Note:** If you receive a vCard which contains valid address data, you can click the **GO** button to set up a new route to this address in the navigation module. Use the ... button to switch between address and phone entries of this vCard.

On each device you'll find a couple of services<sup>2</sup> that can be connected or disconnected. Such services for example are the Serial Port and the Dial-Up Networking.



To connect such a service, hit the **CONNECT** button. A green dot will appear aside the service name when the service is connected. The topmost additional button will show **DISC.**, which will allow you to disconnect from the service again.



### **OBEX Synchronization**

Another service that can be found on most devices is the OBEX Synchronization. This service allows you to synchronize the contacts, appointments and other information on your device with the connected PC.

**Note:** To use this service, you need to have at least Microsoft Outlook or Microsoft Outlook Express installed on your computer. The configuration which application is being used can be found in the Broadcom configuration settings.

To sync the computer with the device, select the according service and hit SYNC. The plug-in will first show an info box:

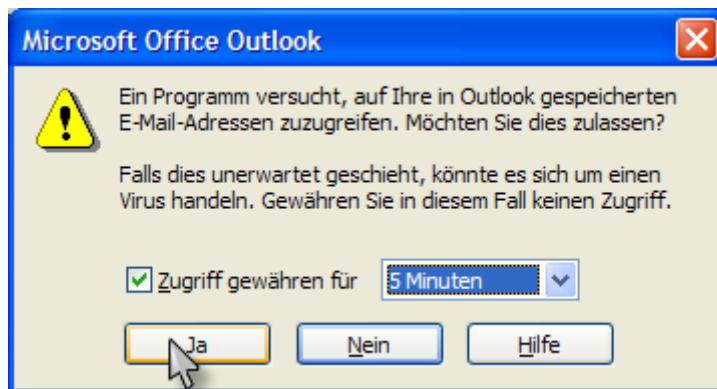
<sup>2</sup> To find out what services your device supports and what their meaning is, please refer to the User Manual of your device.

## Synchronizing

After this dialog disappeared, you'll see the progress in the status bar as well as on the progress bar. The status bar will show you the total number of contacts and the number of the currently processed contact.



At some point (at least when syncing against Outlook™) you'll be getting the following security dialog:



This is a security feature in Outlook™ to avoid trojan software to access your contacts without you being aware of this. You need to confirm this dialog in order to get the data synchronized otherwise the synchronization will be aborted.

If you want to abort an ongoing synchronization, simply hit the ABORT button while the synchronization is in progress.

**Note:** The Sync Phonebook option, which will place the contact data information that is pulled from the device into the PhoneControl phone book, is not implemented yet.

## Setup dialog

The BluetoothControl Setup dialog allows you to modify the settings of this plug-in without modifying the config.xml file manually.

As for most of the settings are self explaining, here're some hints though:

### ***Use this vCard for exchange***

This instructs BluetoothControl not to use the default **BTvcard.vcf** for pushing your contact information from the **\My Computer\Bluetooth-Exchange-Folder\** but rather to use your own.

### ***Auto scan interval:***

This setting will advice BluetoothControl to scan for devices in range at the given period. If the system becomes unstable or you note some strange behaviour please turn this option off by either setting it to 0 or leaving the input empty.

### ***Path to copy files to:***

Usually BluetoothControl copies files from devices into the following folders:

- Pictures and videos: **\My Computer\My Picture\**
- Music files: **\My Computer\My Music\**
- Anything else **\My Computer\**

These folders have been picked because Centrafuse™ handles them out of the box. If you'd like to have your files copied to another location instead, please define this location here.

## Known issues

- Synchronization with PhoneControl.NET phone book is not implemented yet.
- Connecting to a Network Access Point will work only if the device has a Dial-Up or ICS connection established.
- Only English and German languages are supported. If you run Centrafuse™ under another language, English will be used as default (feel free to translate the language file and send it to me).

## Legal Information

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