Dongle
User's Guide

INNOVI Technologies

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FCC Statement
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.

Caution : Changes or modifications to this Bluetooth headset not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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1.Introduction

Complete Bluetooth offer from Innovi consists in two parts :

- Bluetooth Headset or Bluetrek,
- Bluetooth Dongle.

The purpose of these devices is to provide a Bluetooth wireless solution for a non mobile phone which has the functionnality of hands free with wires.

Bluetrek and the Dongle can be used together or independtly as following :

- Use BlueTrek and the Dongle to transform your non Bluetooth mobile Phone in a compatible BlueTooth mobile phone with a wireless headset (following the Bluetooth spec V1.1)
- Use BlueTrek with your BlueTooth Mobile Phone (please refer as the Bluetrek User's guide),
- Use the Dongle with your non Bluetooth mobile Phone to connect to another BlueTooth Headset manufacturer.

This guide provides informations about setting up and using the Dongle with a Bluetooth headset like Bluetrek.

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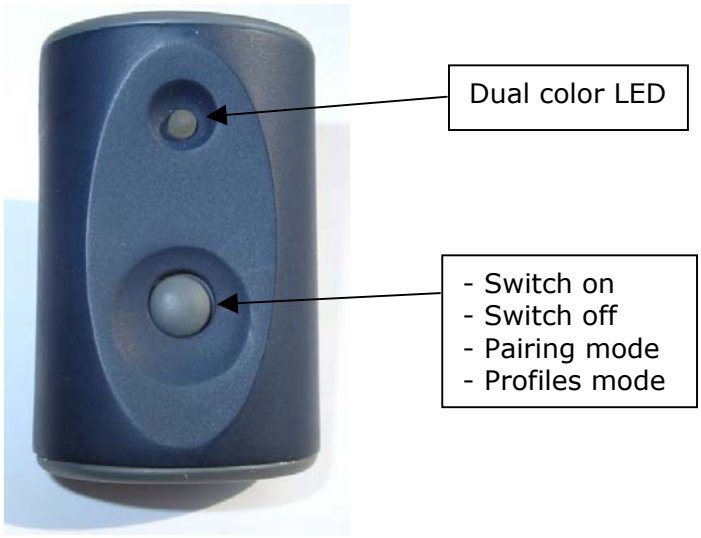
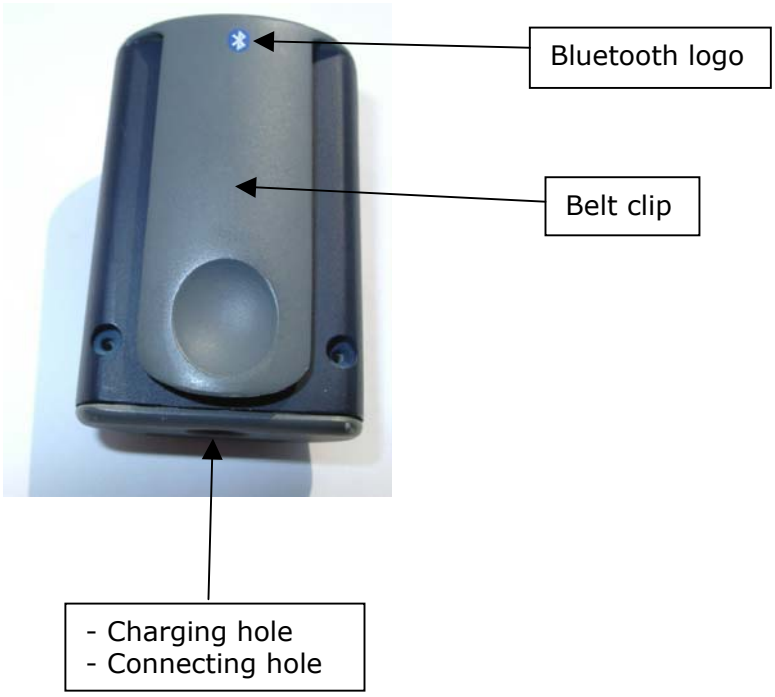
2. Bluetooth Dongle





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3. Charging the Dongle

3.1. Preliminary remark :

It is mandatory to use the charger provided with your product. The use of any other brand will suspend automatically the warranty.

Before using your Dongle connect it to the charger for an initial charge preferably for all night. During the charge you should see the red LED continuously on. Once the charge is finished you should see the green LED on. Now you can use your product.

Then daily please connect your product to the charger for few minutes to recharge the battery to full capacity.

3.2. How to connect the charger :

Take one of the two jack connectors and plug it inside the hole. This is the same hole as for the connection to the mobile. So it is not possible to use your dongle when charging.

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4. Dongle status and LED indication

The dongle was designed to be very easy to use for a daily use. But it is important to understand how to configurate this device before you use it. So please read carefully the information just below :

4.1. The dongle can have four modes :

4.1.1. Switch off

This mode is very simple to recognise because the LED is always off. When you are in one of the mode 2,3 or 4 please press 2 to 3 seconds until you see green and red LED together. Then you relaese the button and the LED becomes off.

4.1.2. Standby mode

The dongle is in this mode when the green LED (or red when the battery is low) is flashing slowly. Be carefull because the flash is short every 7 seconds.
To go in standby mode be sure first your dongle is switched off. Then press the button for aroud 3 seconds until you see the led on then release the button. You will see the red LED on and quick flashes of the green LED. The number of green flashes indicates the profile number which is programmed. Then the green LED (or red if the battery is low) will flash slowly.

4.1.3. Pairing mode

The dongle is in this mode when you can see an alternating very quick flash of the red and green LED.
To go to pairing mode be sure first your dongle is switched off. Then press the button for around 10 seconds until you see aternating quick red and green flashes. Actually to go to pairing mode you go first in standby mode (don't release the button) then the LED switches off for around 1 second (you still have to keep pressed the button) and just after you will see the quick flashes. You can now release the button.

4.1.4. Profiles mode

This mode was created for the first time in the world by Innovi. This mode allows you to have only one device, your dongle, able to work with almost all non Bluetooth mobile phone on the market. By choosing the mode according to your mobile phone (see appendix) the electronic adapts automatically the signals to the dedicated cable provided with the dongle. The programmation of the profile has to be done only once when you have a new phone or when you change it. Each phone has a profile. Sometimes this is the same so you don't need to reprogram it.

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The dongle is in this mode when you see the red LED on and flashes on the green LED. Each flash in quick succession means the profile number. For example one quick flash means profile numer one, three flashes in quick succession mean profile number 3 etc.
There are 5 possible profiles. So you have 5 differents type of flashes on the green light.

To go to profiles mode be sure first your dongle is switched off. Then press the button for around 14 seconds until you see the red LED on together with quick green flashes. Now you can release the button. Be carefull not to be confused with the beginning of the standby mode which indicates only once the default profile. So you have to keep pressed the button in order to pass through the standby mode and the pairing mode then you access the profiles mode.

To change the profile you have first to be in profiles mode. Then observe the number of green flashes. For example 2 quick flashes means you are in profile number 2. If you press the button once (quick pres) so you will go to the next profile. In our example you can see now 3 quick flashes. Then one more press you go to the profile 4 and so on.
After profile number 5 you go to profile number 1. Actually you browse in a loop until you access the required profile.
After choosing the right profile you have to save it as the default profile by switching off your dongle. So please press few seconds until you see the 2 LED on continuously. Then release the button. Your dongle is now off.
To check if everything is good you switch on your dongle then you can see the number of green flashes telling you the default profile you've just programmed.

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5. Pairing

Before using the dongle with an headset, you must pair it with a BlueTooth headset like Bluetrek.

Pairing is the process of linking two BlueTooth devices, so that they can be connected to each other with a worlwide unique link.

IMPORTANT : before pairing all Bluetooth devices have to be switched off.

5.1. Pairing the Dongle to BlueTrek

To initiate the pairing :

1- Put your Bluetrek into pairing mode (please refer to the Bluetrek manual)
2- Put your dongle into pairing mode (please refer to the paragraph 4.1.3)
3- After few seconds, when the pairing has been completed, in both side, the green led flashes slowly. You are now in standby mode.

5.2. Pairing the Dongle to a BlueTooth Headset

To initiate a pairing with a BlueTooth Headset :

1- Put your BlueTooth Headset in the Pairing Mode (See your BlueTooth headset user's manual)
2- Put your dongle into pairing mode (please refer to the paragraph 4.1.3)
3- After few seconds, when the pairing has been completed, the green led flashes slowly on your dongle. You are now in standby mode.

5.3. Checking if the Pairing is correct with Bluetrek

Your headset and your dongle are in standby mode. Your dongle doesn't need to have the cable. Press 2 to 3 seconds one of the button on Blutrek until you can hear a bitone. Then release the button and wait. After few seconds you should be able to see the green LED of the dongle lights on continuously for about 1 second. At the same time you could hear something like wind in the headset speaker.

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6. Connecting your dongle

(put pictures)

Your mobile phone has to be switched on.
Before you connect your dongle it has to be in standby mode with the pairing done and the good profile programmed. Then **it is very important** to plug first the extremity to the dongle. Then you connect the other extremity to the mobile. If the connection is good you should be able to see the hands free logo on the display (if available because some phone doesn't have this logo).

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7.Incoming Call

Before you use for the first time your dongle please read carefully all details in the appendix concerning your mobile.

The action you have to take depends on your phone. Basically there are two families :

7.1. Nokia and Ericsson phones

When you receive a call :

1- The green led flashes quickly (red led is used if the Battery Voltage is low) in both side
2- A ring tone is played in the BlueTrek speaker
3- To answer the call press shortly any button on BlueTrek until you can hear a bi-tone
4- Then the Voice connection is established,
5- The green led (or red led if voltage battery low) lights on continuously on the dongle and with quick flashes on Bluetrek.

Comments : in order to avoid any malfunctioning it is very important, when you have an incoming call, to wait until you hear the ring in the headset and not on the phone. In case you take the call when you hear the ring on the phone you might have some problems. Actually when the phone rings, the dongle has to establish the link to the headset before you can hear the ring in the headset. It can take few milliseconds to 1.5 seconds depending on the phone.

7.2. Others than Nokia or Ericsson

Basically you have to choices : automatic or manual answer.

7.2.1. Automatic answer

Put your phone into automatic answer. When you have an incoming call you have nothing to do. Only waiting until you can hear in the headset the voice of your interlocutor.

7.2.2. Manual answer

When you have an incoming call you answer directly on your phone. Then you wait until you can hear in the headset the voice of your interlocutor.

Comments for both types of answers : depending on the phone you can have a period of time between the automatic answer from the phone and the connection establishement (from few milliseconds to 2 seconds).

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8. Volume Control

With the use of the dongle you have two ways to adjust the volume :

First you can directly adjust the volume on your phone. Actually the dongle is working like a wired hands free so that you adjust the volume on your phone.

Secondly you can adjust the speaker volume on BlueTrek by pressing button 1 to increase the volume or button 2 to decrease the volume.

Comments : the volume adjustment can be completely different depending on your phone. So please be sure not to put to high the volume otherwise you might have some problem like distortion, echo, abnormal vibration.
In general we recommend to adjust your phone in the middle position then you adjust your headset according to the environment.

9. Ending a Call

You have two possibilities to end a call. Either directly on your phone or from your headset.

1/ On your phone
You cut the line on your phone then you wait until your dongle and your headset return to standby mode. Please refer to the appendix for profile 4.

2/ From your headset
You can only have this option if, of course, you could previously take the call with your headset.
To end a call from BlueTrek keep pressed any button on the headset until you hear a bi-tone. The headset and the dongle return to standby mode.

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10. Making a Call

Preliminary remark : The voice recognition feature is not available on all mobile phones. However you can always dial directly on your keyboard. If your mobile phone offers the voice recognition feature, you can make a call directly from the headset without any operation on you mobile phone.

10.1. Mobile with voice recognition :

1. Make sure the voice recognition function on your mobile is well activated
2. Press any button on BlueTrek,
3. The audio connection is established and the green Led lights on continuously on the dongle,
4. Wait for the audio signal sent by the mobile Phone (generally a short tone)
5. Speak name of stored number
6. Mobile Phone voice recognition function is dialing the stored number.

10.2. Mobile without voice recognition :

1. Make sure both devices are in the stand-by mode (green led is flashing slowly),
2. Dial the phone number you wish to call on your mobile phone and wait until you can hear your interlocutor

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11. Transferring a Call to the Mobile Phone

When the BlueTrek is in active call, to transfer the call to your mobile phone you only have to disconnect the cable from the mobile. Normally when you disconnect the cable both devices should return to standby mode.
If you reconnect it you could use again your headset.

12. Transferring a Call to the headset

When the mobile phone is in active call, to transfer the call to the headset :

1- Switch on BlueTrek and the dongle (both of them are in standby mode, the dongle is paired with the correct profile programmed),
2- Connect the cable first to the dongle then to the mobile,
3- The audio connection is transferred atomatically (you have to wait 1 to 3 seconds) to BlueTrek and the green led (or red led if voltage battery low) lights on continuously on the dongle. The conversation can goes on through BlueTrek.

Comment : if you want to take back your converstation directly on the phone you only have to disconnect the cable. And if you want to use again the headset you only have to reconnect the cable (at that stage no need to press any button on the BlueTrek headset, the link is automatically released).

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13. Appendix : dongle profiles for phones

Comment : if the reference of your mobile is not in this table, please take the reference which is the closest and try. If still it is not working so you can have a look on www.bluetrek.com to see whether you have the reference of your phone (if not please send us an email).

HS : Headset

Manufacturer	Model	Profile	Function
NOKIA	3210	1	- You have to wait until you hear the ring in the HS speaker - HS can take the call - HS can hang up - No voice recognition
NOKIA	3310	1	- You have to wait until you hear the ring in the HS speaker - HS can take the call - HS can hang up - voice recognition enabled
NOKIA	8210	1	- You have to wait until you hear the ring in the HS speaker - HS can take the call - HS can hang up - No voice recognition
NOKIA	8310	2	- You have to wait until you hear the ring in the HS speaker - HS can take the call - HS can hang up - voice recognition enabled
ALCATEL	OT310	1	- You have to wait until you hear the ring in the HS speaker - HS can take the call - HS can hang up - No voice recognition
ALCATEL	OT511	1	- You have to wait until you hear the ring in the HS speaker - HS can take the call - HS can hang up - No voice recognition

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Constructeur	Model	Profil	Fonctionnement
SIEMENS	C25	3	- Set your mobile in automatic answer - You can hear the ring in the HS speaker - HS cannot take the call, take on the mobile - HS cannot hang up, do it on your phone - Dongle cut itself automatically the link with the HS.
ERICSSON	T29SC	5	- You have to wait until you hear the ring in the HS speaker - HS can take the call - HS can hang up - voice recognition enabled
SONY	J5	3	- Set your mobile in automatic answer - You can hear the ring in the HS speaker - HS cannot take the call, take on the mobile - HS cannot hang up, do it on your phone - Dongle cut itself automatically the link with the HS.
SAMSUNG		4	- It is a very special profile which maintains only the carrier frequency - When you hear the ring on the phone, please press one of the 2 buttons on the headset until you hear a dual-tone => the link will be established shortly between the dongle and the HS - After you hang up on the phone you have to cut the link between th HS and the dongle by pressing one of the 2 buttons until you hear a dual-tone. Please don't forget to do it otherwise the link is still established and the power consumption of the HS and dongle will be always at the highest level
MOTOROLA	V Series 66	3	- Set your mobile in automatic answer - You could hear (sometimes not) the ring in the HS speaker - HS cannot take the call, take on the mobile - HS cannot hang up, do it on your phone - Dongle cut itself automatically the link with the HS.

Constructeur	Model	Profil	Fonctionnement
PANASONIC	GD75	3	- Set your mobile in automatic answer - You could hear (sometimes not) the ring in the HS speaker - HS cannot take the call, take on the mobile - HS cannot hang up, do it on your phone - Dongle cut itself automatically the link with the HS.

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