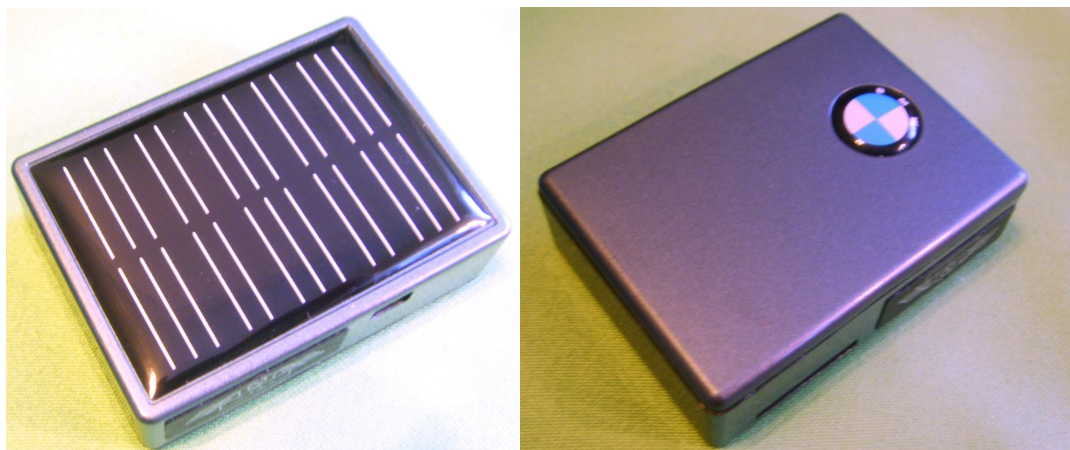


# GSM BUG MICROPHONE

## Audio listening device using cell-phone technology

This device enables you to covertly listen-in to conversations, anywhere, anytime. The device allows you to listen-in on your mobile or fixed telephone, from anywhere in the world.



*Figure 1 Front and rear of the GSM bug unit*

The unit is very small; just a little larger than a box of matches. It makes no beeps or other sounds when you connect to it. It has no lamps or other indicators to show that the listening device is in use. It can easily be hidden in conference rooms, bedrooms, or public places.

To use the device you need only provide an anonymous GSM SIM card, which you insert into the device. You will also need an American 2-pin power outlet or adapter, if you wish to use the included charger. The unit can be charged from your computer, via the USB port.

Features a unique super- slim design, place it at home or even in the office. You could listen to the sound of its surrounding wherever you want; it is the latest SIM surveillance equipment available.

Brief specifications:		
<b>Dimensions:</b>	68mm x 39mm x 18mm	2.7" x 1.5" x 0.7"
<b>Weight:</b>	45 grams	1.6 ounces
<b>Charger power_</b>	AC 100-250 V	50/60Hz
<b>USB charger_</b>	5.0 V DC	400-500mA
<b>Telephone format:</b>	Cellular GSM via SIM card	900/1800/1900MHz
<b>Duration of operation:</b>	Up to12 days typical	Standby only **
	Over 10 hours typical	Continuous listening **
<b>Access:</b>	Via telephone network	
<b>Battery:</b>	Internal rechargeable	Not user serviceable
<b>Microphone</b>	Internal ELECTRET	Typically 5-7 metres
<b>Frequency response:</b>	350Hz to 3kHz	Can be restricted by network
<b>Working temperature:</b>	0°C to +40°C	+32°F to +104°F
<b>Country of origin:</b>	China	

*\*\* These two figures are inter-dependant: standby time consumes battery power that is no-longer available for listening time.*

## Kit contents

The kit contains the following items:

1. “BMW” GSM bug microphone
2. USB extension adapter cable
3. Universal charger (American standard)
4. Power socket adapter (USA to Sweden, not shown)
5. Un-activated GSM SIM card (without credit, not shown)



*Figure 2 the GSM bug microphone kit and contents*

## Operating instructions

The “BMW” GSM bug microphone has an internal battery, which must be charged before operating. The unit does not use any software installation in your computer. It does not require any setting up procedures or technical knowledge.

### ***To charge the microphone:***

1. Connect the bug microphone USB contact to the USB extension adapter cable.
2. Connect the other end of the adapter cable to a computer USB contact or the charger provided.
3. If using the charger, plug the charger into an AC outlet, using a suitable travel adapter.
4. A GREEN indicator lamp indicates that the charger has input power
5. A RED GREEN indicator lamp indicates that the bug microphone is being charged. The GREEN lamp will extinguish when the bug microphone is fully charged.

The bug microphone can be connected to a computer USB port for permanent operation, in which case the internal battery will not be used to power the bug microphone.



Figure 3 charger connected and charging the bug microphone

### **To start and stop the bug microphone**

1. Insert a GSM SIM card into the SIM card slot at the side of the bug microphone.
2. Press the card in so that it clicks into position. This will also switch the bug microphone ON.
3. The RED indicator lamp on the bug microphone will light for 10 seconds to indicate that the unit is switched ON.
4. To stop the bug microphone, press the SIM card in until it clicks, and then release it.
5. The SIM card should protrude about 3mm from the SIM card slot when it is switched OFF.



Figure 4 inserting the SIM card (observe the SIM card orientation).

### **To listen-in to conversations**

1. Place the bug microphone where it will not be seen.
2. Using a telephone, call the telephone number allocated to the SIM card.
3. You will hear one or two ring signals, after which you will hear all the sounds within a few metres of the bug microphone.

## Warnings

This bugging device can be used for many different purposes. As the owner or operator it is your responsibility to ensure that the unit is used in a lawful and morally correct manner. It is also your responsibility to ensure that it is legal to operate it in your country of residence.

The manufacturers or suppliers of the bug microphone shall not bear any responsibility for illegal use or the consequences of such use of the bug microphone. The bug microphone operated only with a GSM telephone system. It is not compatible with 3G, 4G or other cellular telephone systems. The internal battery may explode if subjected to fire.

## Coverage and quality

The GSM bug microphone is a very low power device, which gives such a long listening time. The transmitter power is therefore limited and the unit must be operated in very good GSM coverage areas. The coverage may not be as good as your commercial mobile telephone. Do not expect the unit to function in areas of poor coverage, or rural areas many kilometres away from the nearest GSM radio base station.

The audio quality is restricted to the telephone standards. Your hearing may extend from 30Hz to 15 kHz, but telephone audio is restricted from typically 300Hz to 3000 kHz. This means that the sounds you hear are perfect for listening to speech, but audio quality is not high fidelity.

## Tips for covert use

If you are going to eavesdrop on people, then discovery can be embarrassing. The GSM bug microphone is quite anonymous and the SIM card should not be that linked to a telephone account. Comviq Kontant SIM cards are ideal. If you use a billed telephone account then your target may take your SIM card and surprise you with a huge telephone bill.

When deploying the device, consider:

- The microphone holes must not be blocked or covered
- The unit must not be covered with metal in such a manner as to screen radio signals
- The unit must not be visible to the people to which you are to eavesdrop
- Do not position the device anywhere that is “mobile”, for example, waste bins, unless you want the bug to follow the target, for example, in a handbag
- Do not subject the unit to high temperatures that could cause failure

Suitable deployment locations can include:

- Flower pots and plants
- On a shelf or between books
- On top of a suspended lamp or a window pelmet or lambrequin
- Under tables, desks or chairs
- Inside a custom enclosure, for example, inside a hollow book
- Inside a cigarette packet (with the top open and the aluminium foil removed)
- Behind a air ventilation grille
- In a shoe

Always remember that people have a right to privacy. To deploy a listening device in bedrooms, toilets or other “personal” areas may be subject to additional laws. A target may even become violent if the bug is discovered. You deploy the device at your own risk.