

# Analog Handsfree Car Kit

## Features

AVL, fleet management and car satellite alarms.  
Compatible with all GSM engines available in the market.  
Easy to install.

This Handsfree can be used in background noise conditions, thanks to the integrated voice switched electronic processor that manage a fast half duplex communication.

It monitors and inhibits the background noise when a dial tone is detected, to prevent muting in Tx.

"e24" qualified:  
according EC Directive 2004/104/EC and 2006/28/EC



## Characteristics

### Electrical

Power Supply: 12 to 24 Vdc  
Max power out: 1A  
Stand-by mode:  $\leq 10$  mA

### Loudspeaker

Power audio out: 5W Peak  
THD:  $< 5\%$  @ Pk  
Audio Bw: 300 - 3400 Hz  
SPL Max:  $86 \pm 3$  dB

### Microphone

Uni-Directional, back erasing type  
Sensitivity:  $-37$  dBV/Pa  $\pm 3$  dB  
Audio Bw: 100 - 10000 Hz  $\pm 10$  dB

### Environmental

#### DHF main unit

Weight (With speaker): 250 g  
Dimensions (box): 74x74x47 mm  
Max. temperature range:  $-20 - +70$  °C  
Max Rel. Humidity: 90% (not cond @40°C)

### Audio Interface

Audio in: (from GSM module)  $\leq 2.5$  Vpp  
Nominal Impedance: Max 150 Ohm (balanced)  
Audio out: (to GSM module)  $\leq 650$  mVpp  
Nominal Impedance: Lz (balanced)  
Optional features:

- internal buzzer driven by ring indicator

### Voice processing

Half duplex:  $> 14$  dB insulation  
Noise suppression level:  $> 4$  dB

### Junction box

Dimensions: 57x57x28  
Cable lenght: 5m  
System interface conn.: SUB-D M 15 pin

## BASIC KIT p/n HF-SAT-006-xx-"e"

consists of:

- Hands free unit with external optional vol. control
- Microphone to be chosen among the series : 95, 97, 02, 05, 06, 14
- Junction Box
- Optional Handset



MIC 97

