



ACCESSORY SENTINELLE MINI

Buzzer **Engine cut off**

User Guide

ACCESSORY SENTINELLE MINI

Buzzer / Engine cut off

You have just acquired the accessory Buzzer / Engine cut off (reference SM01_ECBUZ) compatible with the GPS tracker Sentinelle Mini (reference SM01 or SM01_3Y) of the brand Sentidrive.

This accessory adds functionality to the Sentinelle Mini tracker and this makes the theft prevention system more effective.

1 BUZZER

As soon as the buzzer / engine cut off module is triggered voluntarily or automatically from the application, the buzzer goes off according to a predefined sound cycle.

2 ENGINE CUT OFF

As soon as the buzzer / engine cut off module is triggered voluntarily or automatically from the application, it immobilises your vehicle within seconds, cutting off a vital point in the electrical system, making it impossible to start the vehicle.

3 VEHICLE BATTERY PROTECTION

The accessory analyzes the vehicle's battery voltage in order to cut off the power to the Sentinelle Mini in case of low voltage detected.

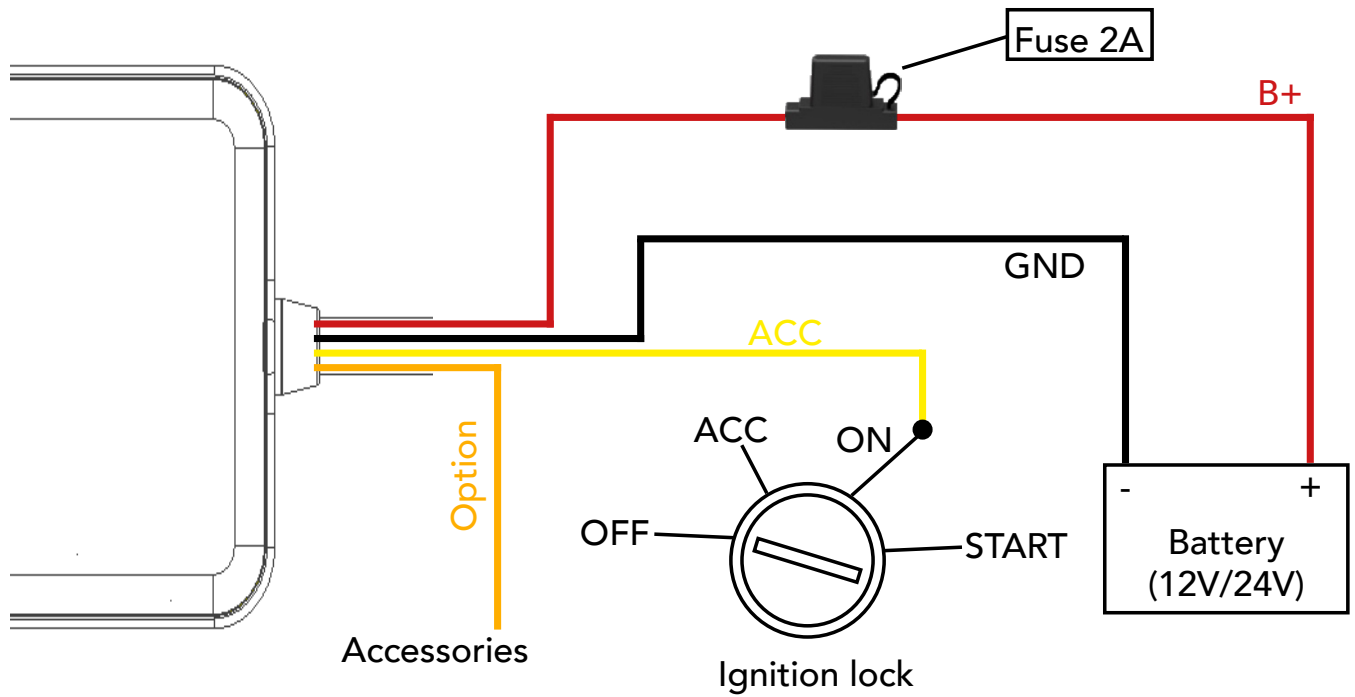
**This accessory is only functional
when connected to the Sentinelle Mini product.**

1. PRELIMINARY ACTIONS

The use of the buzzer / engine cut off module is only functional with the «automatic» operating mode of your Sentinelle Mini.

Do not connect the accessory if your Sentinelle Mini is connected / set in «manual» mode.

Connecting the Sentinelle Mini in «automatic» mode:

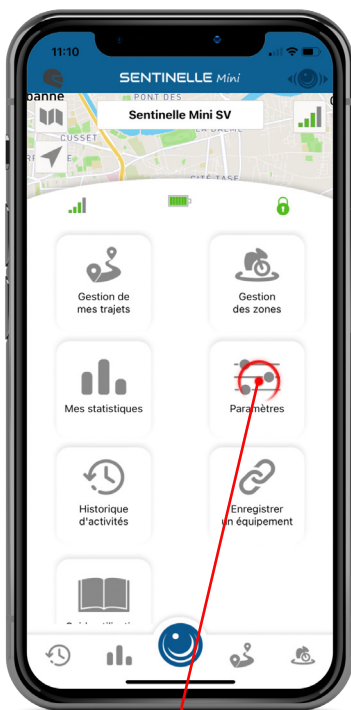


The yellow «ACC» wire of your equipment must be connected to a 12 volts after contact. Your Sentinelle Mini will operate according to the status of your vehicle (ignition on/off).

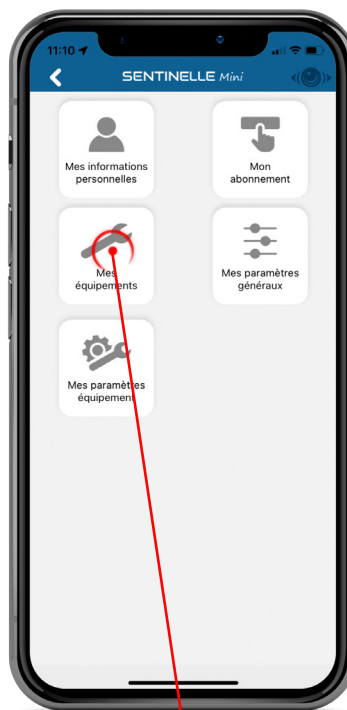
2. ADDING TO YOUR APP

Before installing the accessory, it is important to add it to the interface of your Sentinelle Mini from the Smartphone application.

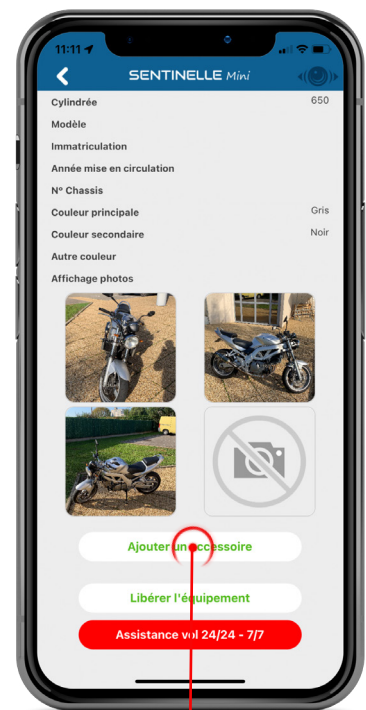
From your user account, go to the Menu > Settings > My equipments and click on «Add an accessory».



Settings



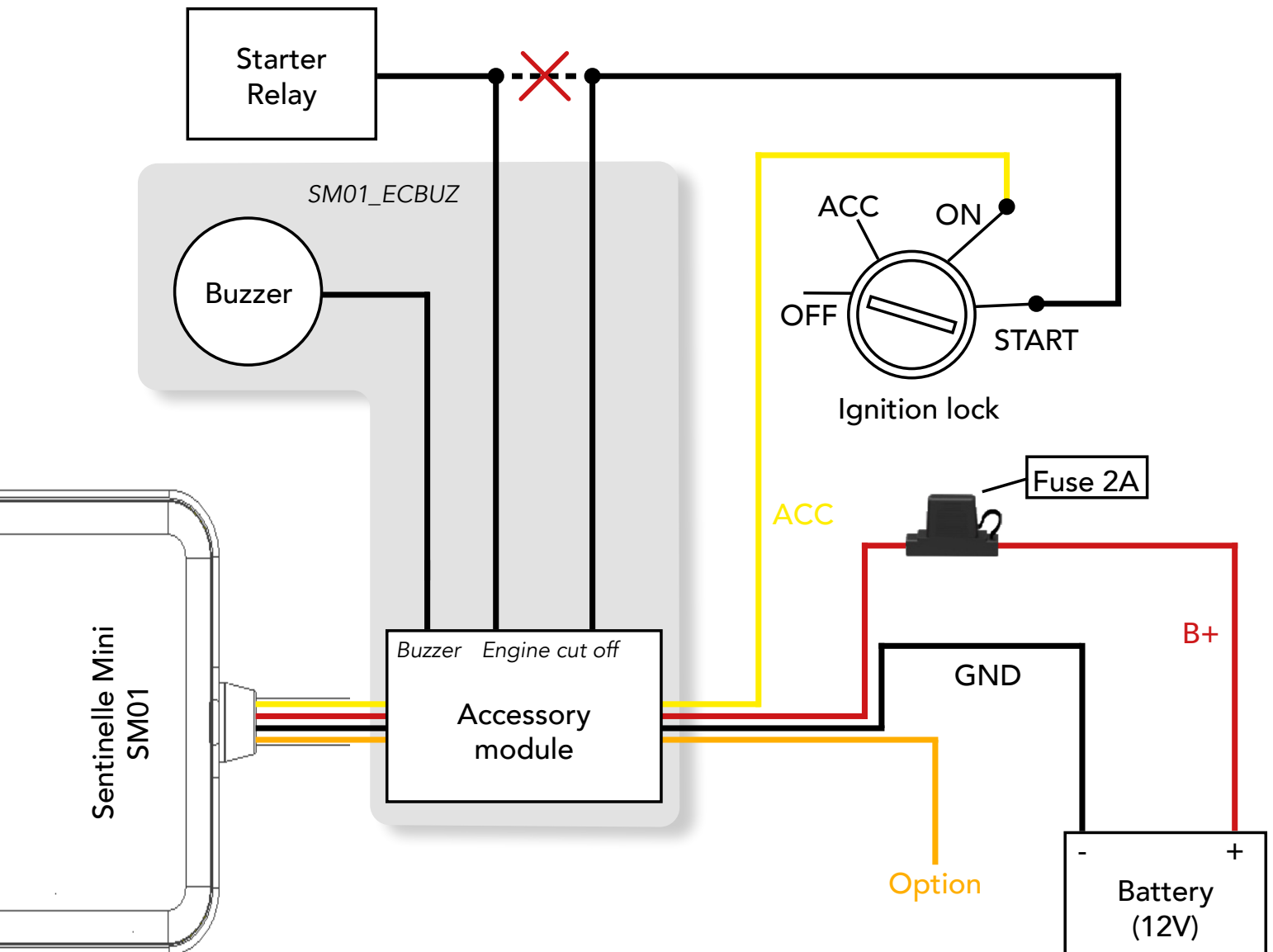
My equipments



Add an accessory

3. ELECTRICAL CONNECTION OF THE ACCESSORY

**Before any electrical manipulation,
disconnect the battery from your vehicle.**



The buzzer / engine cut off module accessory is mounted on the power cable of the Sentinel Mini. Disconnect the Sentinel Mini / power cable link to insert the serial module.

Plug the buzzer into the cable connector below the «buzzer» label. Respect the connector direction indicated by the connector key.

Solder the two immobilizer wires below the inscription «Engine cut OFF» on the electrical harness of the vehicle in order to cut a vital point of the electrical components:

- Interrupt the power supply to the starter relay
- Interrupt the ignition power supply

The cut-off must be made on a wire with a power supply greater than 5 Volt.

The cutting of the vital point of the electrical organs must not exceed a maximum of 10 A.

Since the triggering of the buzzer and engine cut off is common, the two functions turn on and off together. If you do not want to use either function, do not plug in the cables of the function to be inhibited.

Example: You want to use only the buzzer. Disconnect the Sentinelle Mini / power cable link to insert the serial module. Plug the buzzer into the cable connector below the «buzzer» label. The two wires of the engine cut off located under the inscription «Engine cut OFF» will remain unplugged so as not to be used.

4. GLOBAL OPERATION

1 IMMOBILIZATION OF THE VEHICLE

The engine cut off is activated only if the vehicle is turned off. In case of voluntary activation of the buzzer / engine cut off module from the application when the vehicle is switched on (stationary or in motion), the engine cut off action will be stored in memory in the module until the ignition of the vehicle is switched off. The vehicle will therefore no longer be able to restart until the buzzer / engine cut off module is deactivated from the application.

Special case: If the Sentinelle Mini's power supply is disconnected, the immobiliser is automatically activated to prevent the vehicle from being started.

2 HOW THE BUZZER WORKS

As soon as the buzzer / engine cut off module is triggered voluntarily or automatically from the application, the buzzer goes off following a sound cycle of 1 minute of ringing, 20 seconds of extinction and then 1 minute of ringing again. Once the cycle is complete, the buzzer will remain silent unless the module is reactivated.

Special case: Following a manual or automatic triggering, if the module is still active because the vibration alarm of the Sentinelle Mini is not raised or the buzzer has not been deactivated, the action of «starting the vehicle» will trigger a warning sound cycle of 1 second of ringing, 3 seconds of extinction without cycle limit, and this until the buzzer / engine cut off module is switched off from the application.

3 VEHICLE BATTERY PROTECTION

When the vehicle ignition is switched off (parked vehicle), the buzzer / engine cut off module analyzes the vehicle voltage every 10 minutes. If 5 consecutive values analyzed are below the trigger threshold, the buzzer / engine cut off module cuts off the general power supply of the Sentinelle Mini in order to protect the vehicle battery. The Sentinelle Mini continues to run on its internal battery.

Available references:

SM01_ECBUZ_PLO

Use on lead-acid battery,
trigger threshold 12.0 Volt

SM01_ECBUZ_LIT

Use on lithium battery,
trigger threshold 12.5 Volt

Special case: The voluntary or automatic triggering of the buzzer / engine cut off module from the app inhibits the vehicle's battery protection function. If the protection is active (power cut off and operation of the Sentinelle Mini on its internal battery) and the buzzer / engine cut off module is triggered from the application, the general power supply of the Sentinelle Mini will be restored. The Sentinelle Mini will therefore operate normally until the vehicle's battery is consumed.

5. TECHNICAL SPECIFICATIONS

Power supply	12 Vcc (9 Vcc - 14 Vcc)
Consumption	150 mA (buzzer activated)
Reduced consumption	0,01 mA
Operating temperature	-20°C to +70°C
Sound level of the buzzer (at 1 meter)	108±3dB
Module dimension	50x34x27mm
Buzzer dimension	Ø48x35mm
Engine cut off	10 A max
Buzzer cycle time	1 minute
Interval between alarm cycles	20 seconds
Number of cycles	2 cycles

6. PRECAUTIONS FOR USE / WARRANTY

WARRANTY

The explanations and specifications contained in this user guide are provided for informational purposes only and are subject to change without prior notice. SAS SENTIDRIVE cannot be held responsible, directly or indirectly, for any accidental damage or loss of data resulting from an error, or omission in this document.

The accessory is guaranteed against any defect in parts or workmanship for 24 months from the date of purchase, if the purchase was made directly from SAS SENTIDRIVE or an authorized dealer. The opening of the product by a technician not authorized by SAS SENTIDRIVE cancels the warranty.

RECYCLING

The logo opposite indicates that neither the product nor its electronic accessories used products may not be disposed of in other household waste. Please use the return and collection systems available in your country to proper and safe disposal of this product.





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