

AquiTron

AT-SD-LTE
Speech Dialler



BASIC SETUP AND PROGRAMMING



aquilar
leak detection solutions

SD-LTE Basic Set up - Programming and SIM Card Requirement (A Product Support Guide)

Connections

Supply voltage (Can be between 12 - 28VDC)

12v and 0v are normally used to power the SD-LTE this could be taken from the AUX (12v power) on an alarm control panel (These are the same terminals used to supply power the PIR detectors) or from a communicator wiring harness etc.

Trigger

The SD requires a negative trigger from the input device i.e., a negative trigger in the event of an alarm to input A, B or C etc. on the SD-LTE at the time of the relevant alarm. This could be from an output programmed appropriately i.e., for “Fire”, “Panic attack” or “Intruder” etc.

NOTE: Alternatively, a positive (+) trigger can be used (adjust the trigger polarity when programming the unit) although negative is normally used: -

Programming menu - System Options – Trigger Polarity: -

Negative (Default)

Positive

If you experience any problems with triggering the unit you could try using a clean contact relay (**our part number = i-rc01**) switched by an appropriate output on the panel to apply the – (or +) trigger to the SD-LTE in the event of an alarm.

SIM Card for use with the SD-LTE

SIM card - The SIM card must only be fitted/or removed when the SD-LTE is powered down. The SIM card needs to be a micro-SIM and registered to the required network.

- The SIM Card should have the PIN Code disabled.
- We would advise having a Contract SIM, although “Pay as you go” can be used.
- Also check which service provider has the best cover / signal strength for the area.

Sim Sizes

There are different types: -

Full size Sim.

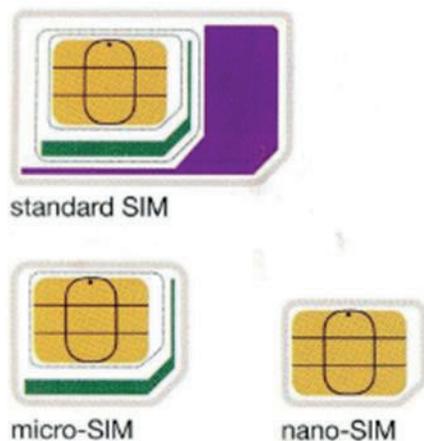
Mini Sim.

Micro Sim*.

Nano Sim.

*The current SD-LTE takes a Micro Sim (or a Nano Sim in a Micro Sim adaptor).

NOTE: Take care when inserting the SIM not to damage the pins within the SIM Card holder.

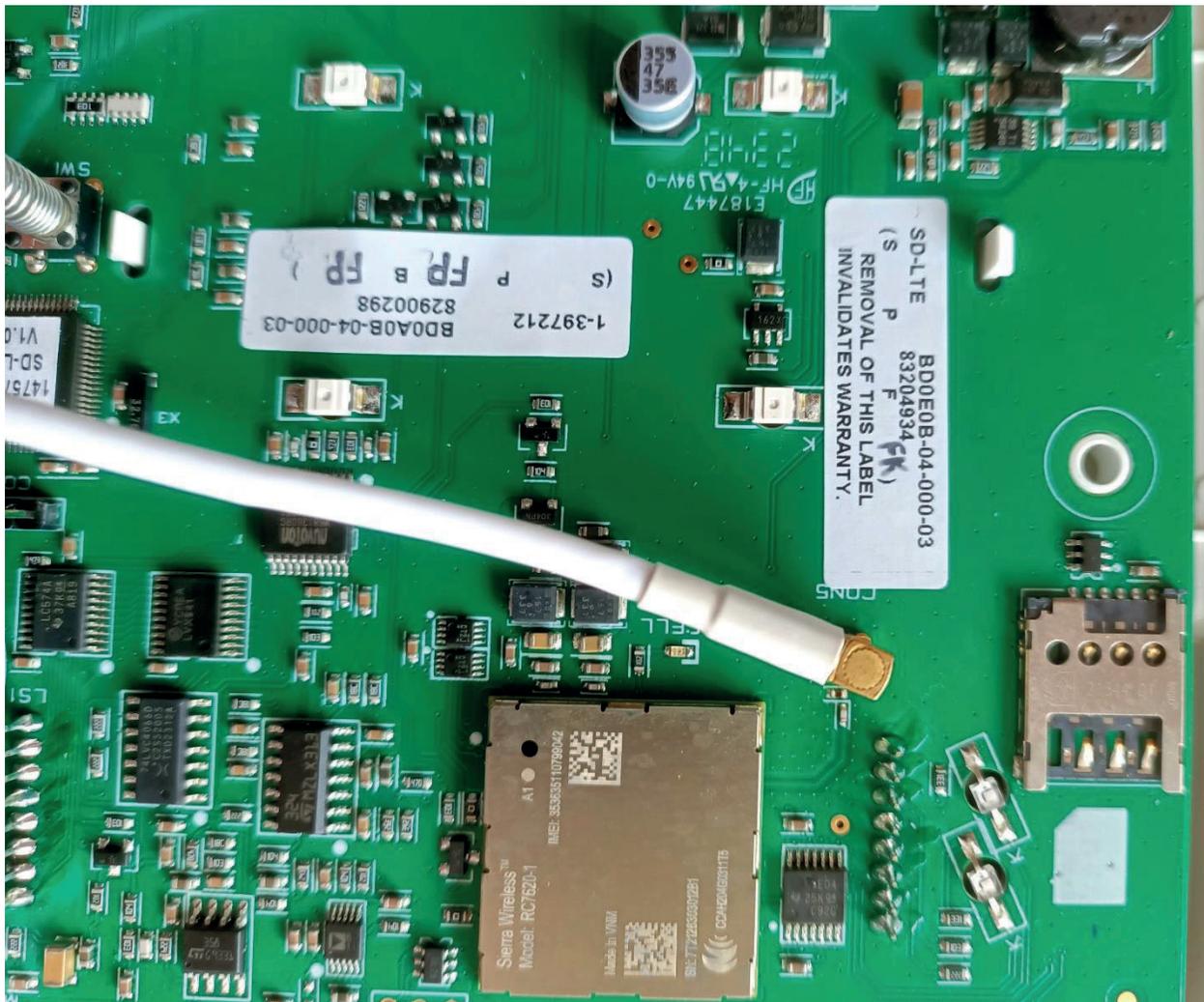


Installing the SIM Card

Fit the SIM card into the SIM holder as shown by the icon on the bottom right of the photo below.

Double check that you have fitted the SIM card in the correct orientation.

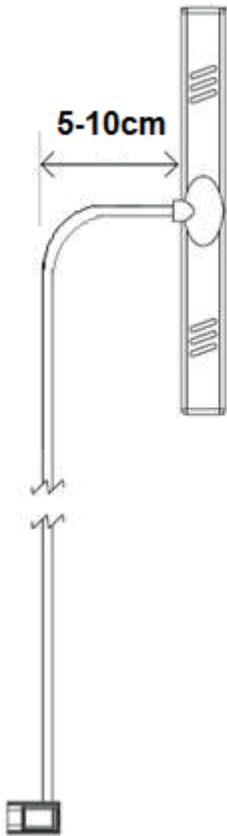
NOTE: Take care when inserting the SIM not to damage the pins within the SIM Card holder – See “SIM Holder Undamaged and Damaged” towards the end of this guide.



Antenna Installation

The supplied antenna lead is 3 metre long, this should not be cut or extended.

The antenna should be installed vertically with the lead halfway up, the lead should travel horizontally for 5-10cm before dropping down to connect to the SD-LTE.



COM-ANT-02 (alternative antenna)

COM-ANT-02 is compatible with all Eaton Security GSM and 4G dialers, communicators etc.

The antenna = approximately 22cm.

The cable is approximately 5 metre long.

The COM-ANT-02 is supplied with an adapter cable (see photo below).

The COM-ANT-02 is supplied with a right-angled mounting bracket and fixings.



Commissioning / Loading the Defaults

When beginning a new installation, it is advisable to perform a factory reset of the SD-LTE unit to ensure that any existing settings are removed.

Note: **The initial power up sequence may take a few minutes**, the SD-LTE will display **“Starting...”**

TIP: If the screen continues to display “Starting...” for an extended time power the unit down and check the SIM is registered and inserted correctly, in addition check the signal strength (see below).

To perform a factory reset

1. Disconnect power from the unit.
2. Press and hold 9 and reconnect the power to the speech dialer. The SD-LTE will display the factory-reset menu.
3. Press ENT to perform a factory reset (ESC to cancel). The SD-LTE will display “Change language?”. a. Press ENT to change the language. If changing the language using the scroll keys to locate the required language and press ENT to confirm. b. or ESC to retain current language settings (default English).
4. The SD-LTE will enter standby mode. Accessing the programming menu - When the SD-LTE is in standby mode the display shows the temperature, time, and date. Enter the user code (the default code is **1234**).

When the correct code is entered, the bottom line of the display will show the first item from a menu of ten programming options.

Leaving the programming - From within the programming menu, press ESC repeatedly until the display shows “Press ENT to Leave Menus”, press ENT to leave (ESC to remain in the menus).

Checking the Signal Strength

The GSM Signal Strength can be checked from: - [Test Options – Mobile Phone Phone Utils – Signal Strength](#): -

Signal Strength

Low ***** Hi

If “**Not Registered**” is displayed, this could be caused by one or more of the following: -

- The SIM Card is not registered.
- The SIM Card is not compatible (see above).
- SIM Card not inserted or not inserted correctly (also check the contact pins in the SIM carriage have not been damaged - See “SIM Holder Undamaged and Damaged” towards the end of this guide).

Continued...

Programming

The SD-LTE should not take long for basic programming: -

Contact Details (Person(s) that you wish to contact)

NOTE: If you require **voice AND Text** messages to be sent, it would be advisable to select the Text Contacts first (Contact 01 etc.), and then the Voice contacts as later (Contact 02 in this example). This is because, if recipient of a voice message acknowledges and shuts down the call by pressing the number eight (8) button on their phone, the Text messages may not be sent.

Programming menu - Contacts Details -

Contact 01 (or Contact 02, 03 or 04 as required)

Name (If required the name can be changed)

Contact 01 TEL. (Enter a telephone number of the person that you wish to contact)

Voice (Type of message = Speech / Voice message)

Or

Text (Type of message = Text / SMS message) Best to select Text first, if required.

Repeat for subsequent contacts (02, 03 or 04 etc. if required).

Continued...

Messages (Voice)

NOTE: The “**Site**” message should **always** be programmed this would normally be the address / location.

In addition, the individual messages (A, B, & C etc.) can then be programmed if required; however, they are normally only required if you are triggering more than one input.

Programming menu – Messages – Voice Message Press ENT.

Scroll up to: -

Voice Site

 = Record to **START** recording - Press  (the record button).

to **STOP** recording - Press  again.

 = Play, to play back a recorded message - Press the **ENT button**.

Clear button = Delete

Once the Site Message has been recorded, you can program **Voice Alarm A, B, C** etc. if required.

Continued...

Messages (Text)

NOTE: The “**Site**” message should **always** be programmed this would normally be the address / location.

In addition, the individual messages (A, B, & C etc.) can then be programmed if required; however, they are normally only required if you are triggering more than one input.

Programming menu – Messages – Text Message Press ENT.

Scroll up to: -

Text Site

Use the keypad to enter the text as required,

Once the Site Message has been entered, you can program Text Alarm A, B, C etc. if required.

Other Programming

The Date / Time should also be programmed: -

Programming menu – Date & Time

Other site-specific programming may be required but the above would suffice in most of installations.

Typical Operation

As default the unit will typically respond as follow: -

When triggered, the unit will call each number in numerical order and repeat a total of three time and then shut down. However, upon receiving a call, a person can acknowledge and shut down the calls by pressing the number eight (8) button on their phone.

Continued...

SIM Holder Undamaged and Damaged

The following photos will show: -

Photo 1 - An undamaged SIM holder

Photo 2 - A damaged SIM holder.

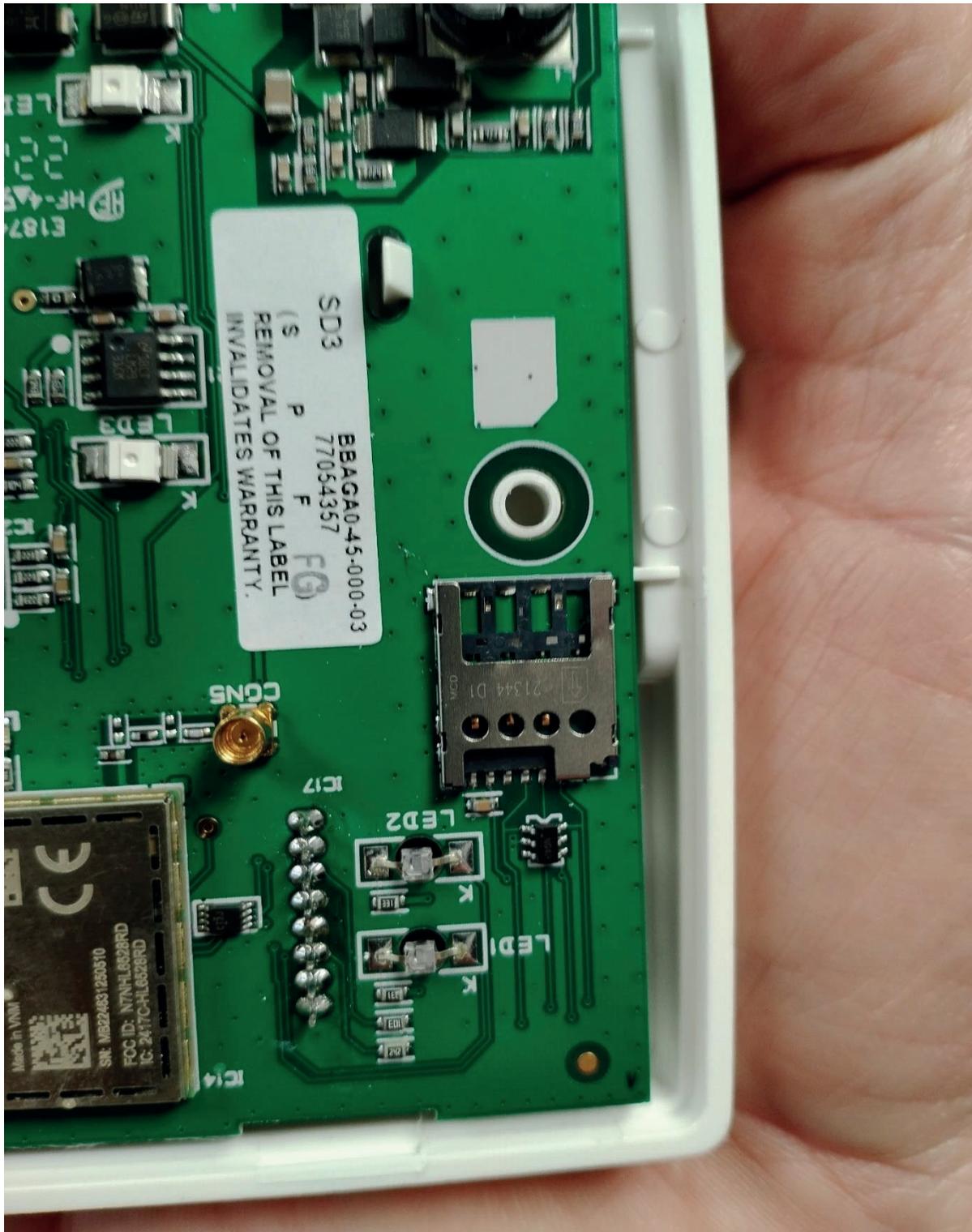
Photo 1

The Sim holder is shown here with NO damage (the contact pins / levers are intact) : -



Photo 2

The Sim holder is shown here WITH damage(the contact pins / levers have been snapped off): -



Please note the above is not an official Eaton Security Business Document but has been written as an aid-memoir for the author. The information is believed to be correct but as with all programming and set-ups the system should be tested on site to ensure correct operation. This document may be subject to change without notification. Please feel free to report any errors or omissions. MR. 16.05.24.

AT-SD-LTE Speech Dialler

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Aquilar Limited makes no warranty as to the accuracy or completeness of the information, and disclaims any liability regarding its use. The only obligations of Aquilar Limited are those in the Aquilar Standard Terms and Conditions of Sale for this product, and in no case will Aquilar Limited be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product. Specifications are subject to change without notice. In addition, Aquilar Limited reserves the right to make changes – without notification to Buyer
– to processing or materials that do not affect compliance with any applicable specification.

AquiTron is a trademark of **AquiTron Limited**

Aquilar is a trademark of **Aquilar Limited**