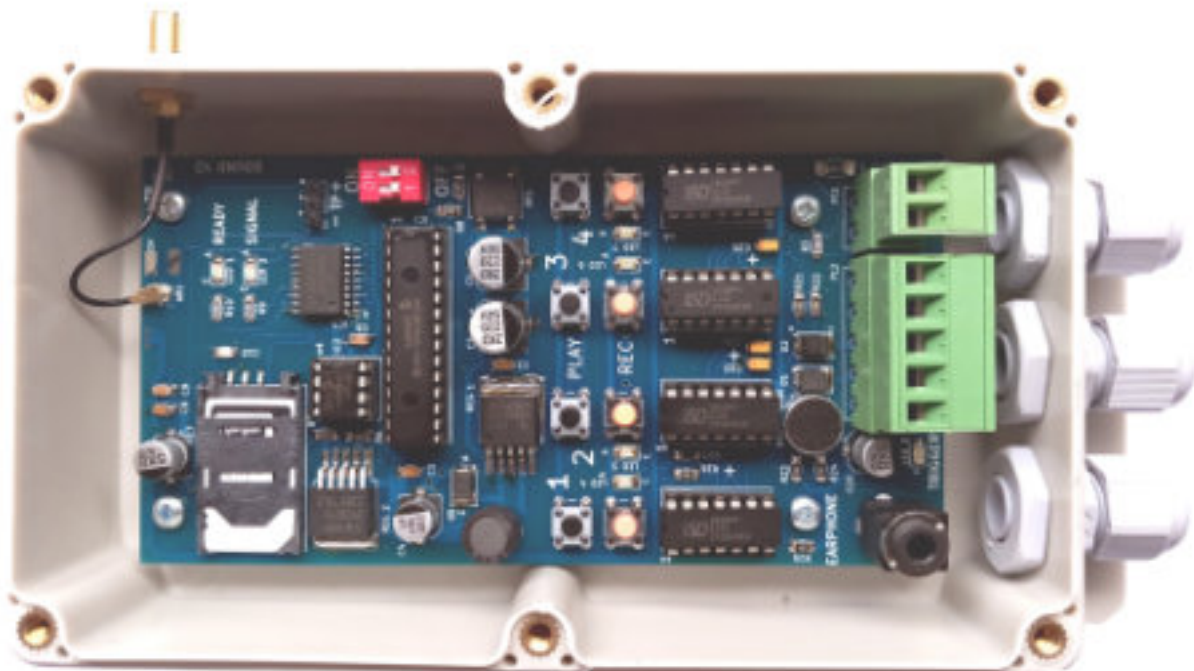




2G / 4G GSM Auto Dialler 4 X Speech Module



Product Information

Our AD-4 WAY- SPEECH Auto Dialler is a versatile unit which can be attached to many of your electronic devices in your homes, workplace, gardens or wherever you may need it. It will alert you using GSM technology by sending a text message or phone call to your mobile phone or land line. Therefore, alerting you immediately to a problem, failure or status change wherever you are in the world!

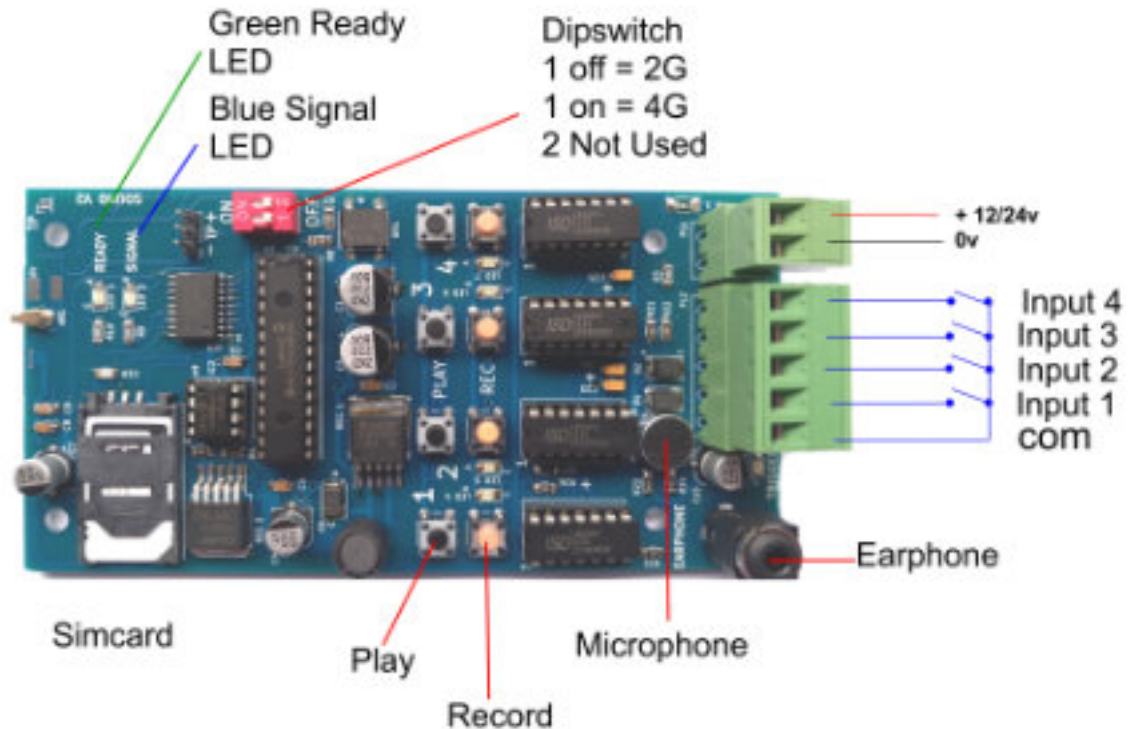
Our Auto Dialler is set apart from other models on the market by being on the quad band frequency meaning it can be used worldwide and we often ship models all over Europe, USA and Australia with excellent feedback.

The unit is enclosed in an IP65 rated enclosure meaning that it is perfectly weathered for outside installation and has passed testing in high heats and below freezing temperatures.

Specification

- GSM Frequency: Quad band Frequency 850/900/1800/1900
- LTE Band : B1/B3/B5/B7/B8/B20
- Power Supply Voltage: 12/24 volts DC - 2 Amp Minimum
- Current Used in Standby Mode: 60mA Max
- IP65 Rated Enclosure for Outside Installation
- 4 Inputs Negative Triggered
- 4 Speech Inputs with Recorded message time (10 seconds each)
- 5 User Numbers
- Standard Simcard
- No Land line Required
- Dimensions: L150 x W90 x H45mm
- Dimensions PCB Only: L125 x W67mm
- Sim Active Function
- Operating Temperature: -10...+40°C
- Programmed by Text Message
- Text to Test Signal Strength

Instructions



SIM Active Function

Our GSM Auto Dialler comes with a SIM Active function meaning that it will send a message every six weeks to a preprogrammed number to prevent the SIM card being shut down due to inactivity.

IMPORTANT - PLEASE READ

Please make sure you disconnect the power when you fit the simcard. Unlock the simcard Holder by sliding back the top, then slide the simcard in making sure that the clipped corner of the simcard is facing out of the board, and then lock back into place.

Signal Strength

To help make sure that you place the unit in a suitable position you can text the unit to see how much signal strength the dialler is receiving by texting the command **#SIGNAL#**

You will then receive a text message telling you the signal strength score between 0 up to 30. We strongly recommend that you place the unit where you can receive a signal strength score of at least 10. You will find anything below this will make the unit unreliable. It is worth trying the signal strength test on both 2G and 4G (see page ? for dipswitch instructions)

Dipswitch

The dialler can work on 2G & 4G networks. The module works worldwide with all simcards (see page 3 for applicable bands). You can choose which frequency the unit will use at the start by using the dipswitch combinations below

Dipswitch 1 Set to OFF = Unit boots up in 2G
Dipswitch 1 Set to ON = Unit boots up in 4G

Dipswitch 2 not used

Programming the Contact Numbers

After inserting your simcard into the Auto Dialler turn the unit on and wait until you see the **GREEN** LED Flash, then the **BLUE** LED will flash, it will flash slowly if you are on 2G and fast if you are on 4G, if **BLUE** LED is solid it means it hasn't got a signal. When the Green LED comes back on and stays on the unit is ready to be programmed

How to program contact numbers

You will now need to send a text with the contact numbers (maximum 5 contact numbers).

To avoid confusion we have colour coded the (#) **hash** and (=) **equals** symbols.

Example (**hash**) (1,2,3,4 or 5) (**equals**) (phone number) (**hash**)

#1=07123456789# send this as a text to the simcard number in the unit for contact no:1
#2=07234567891# send this as a text to the simcard number in the unit for contact no:2
#3=07234567867# send this as a text to the simcard number in the unit for contact no:3
#4=07234567822# send this as a text to the simcard number in the unit for contact no:4
#5=07345678912# send this as a text to the simcard number in the unit for contact no:5

Please exchange the mobile numbers for your contact numbers

If you wish to cancel a number follow this example

Example: (**hash**) (1,2,3,4 or 5) (**equals**) (DELETE) (**hash**)

#1=DELETE# This deletes contact number 1

IMPORTANT - PLEASE READ

Please send one message at a time and wait for the Auto Dialler to respond with the text message acknowledgment "NUMBER STORED" before you try to add another number.

Below is a notepad to help you to remember which numbers you have saved to which location in the event you need to modify or delete them in the future.

#1= _____ #
#2= _____ #
#3= _____ #
#4= _____ #
#5= _____ #

How to Program the SMS Text Message

You can now change the alarm message for inputs 1, 2, 3 & 4 to your own choosing allowing you to know which input has been triggered.

To change the message send the text command as follows:

#MESS1=YOUR MESSAGE# The default message is - **Input 1 activated**

#MESS2=YOUR MESSAGE# The default message is - **Input 2 activated**

#MESS3=YOUR MESSAGE# The default message is - **Input 3 activated**

#MESS4=YOUR MESSAGE# The default message is - **Input 4 activated**

This will change the message to "Your Message"

You can only use a maximum of 19 character including spaces for your customised message.

Recording a Voice message

To record a message, hold down the pink record button and speak as clearly as possible into the microphone. You can record up to a 10 second per message. You can then use the playback button and using the supplied headphones, listen to the message to check sound quality.

Once the message is recorded it will be configured solely to this input. When the input is triggered, it will send a phone call to the stored user number in sequence. Eg: User 1 first then user 2 and so on to user 5.

Acknowledging the Call

When the call is answered, you have 30 seconds to listen to the message before the call will automatically hang up, and call the next number.

To prevent the next number being called, you will need to acknowledge this call by pressing any key on your phone keypad, this will end the call sequence, If no contact number answers the call it will text all users -

"ALARM NOT ACKNOWLEDGED ".

Resetting the Unit (#RESET#)

To reset the unit back to factory settings you will need to send the text message command **#RESET#**

WARNING - This will reset all of your parameters. ONLY send this command when necessary.

How to Trigger a Input

The Auto Dialler has four independent input's

Input 1 = Terminal 1 connection. (Negatively triggered) pulled to ground

Input 2 = Terminal 2 connection. (Negatively triggered) pulled to ground

Input 3 = Terminal 3 connection. (Negatively triggered) pulled to ground

Input 4 = Terminal 4 connection. (Negatively triggered) pulled to ground

When the inputs are triggered the **RED** LED will flash 6 times to indicate that a trigger has been received. It will then send a phone call to the five saved user numbers.

- All inputs can be triggered independently.
- The Auto dialler will reset automatically when the triggered input is released.

Changing Input Trigger Delay

The input trigger delay can be adjusted from 1 to 9 seconds by using the following text command:

#ITD=1# sets trigger delay to 1 second (**default**)

#ITD=9# sets trigger delay to 9 seconds

Quick Reference

Send Text	Operation	Acknowledgment
#1=NUMBER#	Stores Number to Position 1	Number Stored
#2=NUMBER#	Stores Number to Position 2	Number Stored
#3=NUMBER#	Stores Number to Position 3	Number Stored
#4=NUMBER#	Stores Number to Position 4	Number Stored
#5=NUMBER#	Stores Number to Position 5	Number Stored
#1=DELETE#	Deletes Number in Position 1	Number Deleted
#2=DELETE#	Deletes Number in Position 2	Number Deleted
#3=DELETE#	Deletes Number in Position 3	Number Deleted
#4=DELETE#	Deletes Number in Position 4	Number Deleted
#5=DELETE#	Deletes Number in Position 5	Number Deleted
#MESS1=MESSAGE#	Stores a Custom Message for Input 1	Message 1 Stored
#MESS2=MESSAGE#	Stores a Custom Message for Input 2	Message 2 Stored
#MESS3=MESSAGE#	Stores a Custom Message for Input 3	Message 3 Stored
#MESS4=MESSAGE#	Stores a Custom Message for Input 4	Message 4 Stored
#SIGNAL#	Gives a Signal Strength Test	Score of 1 - 30
#RESET#	Resets Unit to Factory Settings	Green Ready LED Flashes
#ITD=1#	Set Input Delay 1 - 9 Seconds (default is 1)	Delay Set

For more information or technical support, please browse the FAQ's on our website

www.gsm-activate.co.uk

Alternatively you can email our technical support team at **technical@gsm-activate.co.uk**
and we will do our best to reply within 24 hours Monday to Friday.