

# Speech Module Installation Instructions

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### Introduction

The *Speech Module* provides two recordable 12 second audio messages, each message is assigned to an alarm channel, which in turn can be triggered from one of the many output functions of the control panel. The *Speech Module* is supported by the following Texecom control panels:

- Premier 816Plus (Must be fitted with software version 9.0 or higher)
- Premier 832 (Must be fitted with software version 2.0 or higher)

### PCB Layout and Connections

The figure below shows the PCB layout of the *Speech Module*:

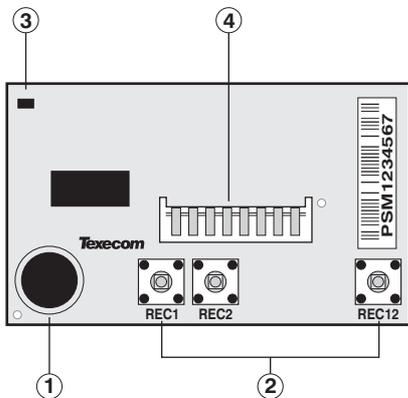


Figure 1. *Speech Module* PCB Layout

- ① Microphone
- ② Record buttons
- ③ Record/Play Indicator
- ④ Control panel connector

### Speech Module Installation

To install the *Speech Module* proceed as follows:

- 1) Ensure that all power is removed from the control panel before connecting the *Speech Module*.
- 2) Plug the *Speech Module* (see Figure 2) onto the 8 way plug (SK1) of the control panel.
- 3) Re-apply power to the system and proceed to the next section.

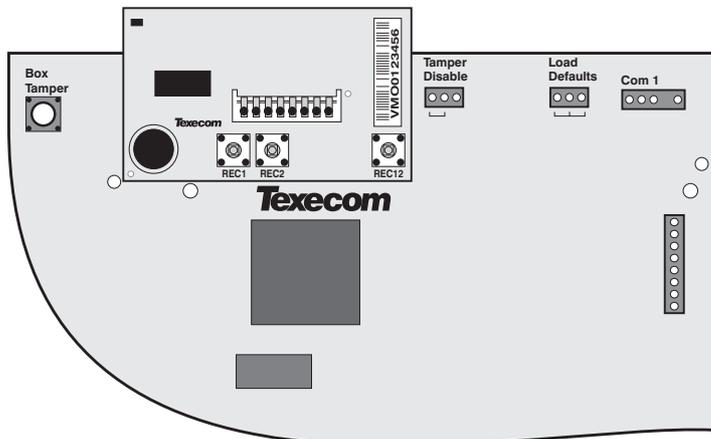


Figure 2. *Speech Module* Installed on Control Panel PCB

### Recording Messages

The *Speech Module* can store two 12 second audio messages. Message 1 is allocated to channel 1 and message 2 is allocated to channel 2. To record a message proceed as follows:

- 1) Press and hold the [REC12] button, then press and hold either [REC1] for message 1 or [REC2] for message 2.
- 2) Speak clearly into the microphone to record your message. During the recording process the record indicator will illuminate.
- 3) To stop the recording process, release the record buttons. The recording process will automatically end after 12 seconds and the record indicator will go out.
- 4) Repeat steps 1 to 3 for the second message, if required.

### Programming the Control Panel

The control panel will then need to be programmed correctly in order for the *Speech Module* to function as expected:

- 1) Select the "Engineer's programming" menu.
- 2) Enter **7****1** to select the "ARC No 1 Menu". Within this menu program the following options:
  - a) Enter **0** to select the "Primary Telephone" number and then enter the first contact telephone number of the person who is going to receive the message(s) followed by **(Arm)/(Yes)**. \*
  - b) Enter **0** then **(Area)** to select the "Secondary Telephone" number and then enter the second contact telephone number of the person who is going to receive the message(s) followed by **(Arm)/(Yes)**. \*
  - c) Enter **2** to select the "Protocol Type" and then enter **3** to select "Fast Format/Speech Module".
  - d) Enter **3** to select the "Dial Attempts" and then enter the required number of dial attempts (1-9).
  - e) Enter **7** to select the "Fast Format Reporting Channels" and then use keys **1** and **2** to select/deselect channels 1 and 2. Channels 1 and 2 correspond to messages 1 and 2, i.e., when channel 1 is triggered the panel will report message 1 to the contact(s) telephone number. Channels 3 to 8 should be deselected. Press **(Arm)/(Yes)** to accept the channel selection.
  - f) Enter **8** to select the "Protocol Options" and then use keys **1** to **8** to select/deselect options 1 to 8. Ensure that option 1 (Enable Speech Module) is selected and options 2-8 are deselected. Press **(Arm)/(Yes)** to accept the selection.
  - g) Press **(Menu)** to exit the "ARC No 1 Menu".

\* If both the primary and secondary numbers are programmed you can force the control panel to dial the next number, even if the first attempt is acknowledged. In order to do this you must program a + as the last digit of the telephone number. The + character is entered by pressing **(Bypass)** then **6**.

- 3) Enter **7****3** to select the "Fast Format Restore Channels" option and then use keys **1** to **8** to select/deselect channels 1 to 8. If channels 1 or 2 are selected, the Speech message will be reported both when the channel is activated and restored. For most applications all channels will be deselected. Press **(Arm)/(Yes)** to accept the selection.
- 4) Enter **7****4** to select the "Fast Format Open/Close Channels" option and then use keys **1** to **8** to select/deselect channels 1 to 8. Channels 1-8 should be deselected. Press **(Arm)/(Yes)** to accept the selection.
- 5) Enter **6****1** to select the "Fast Format/Speech Channels" type, then program the following channels:
  - a) Enter **1** to select channel 1. Enter output group, type and attributes (refer to control panel installation manual). For example, to program channel 1 as "Partition 1234 Fire Alarm", enter 210 then press **(Arm)/(Yes)** to accept.
  - b) Enter **2** to select channel 2. Enter output group, type and attributes (refer to control panel installation manual). For example, to program channel 2 as "Partition 1234 Burglar Alarm", enter 202 then press **(Arm)/(Yes)** to accept.
  - c) Press **(Menu)** to exit this menu.
- 6) Enter **7****0** to select the "Communicator Options", then use keys **1** to **8** to select/deselect option 1 to 8. Ensure that option 1 (Enable Communicator) is selected. Press **(Arm)/(Yes)** to accept the selection.

- 7) Once steps 1 - 6 have been completed you can test the operation of the *Speech Module* (see Testing the *Speech Module*).

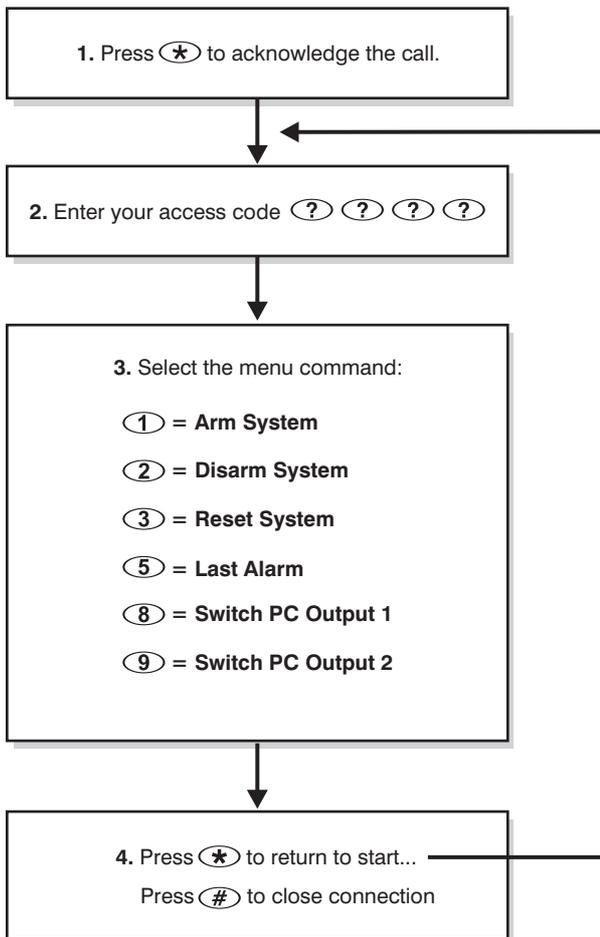
## Testing the Speech Module

The procedure below shows how to perform a simple operational test for the *Speech Module*.

- 1) Select the "Engineer's programming" menu.
- 2) Enter 9 2 to select the "Send Test Call" option.
- 3) Press **Arm**/**Yes** to initiate a test call.
- 4) If you have a telephone on the same line as the control panel you can pick it up and listen to the message.
- 5) During the test call you may press 1 or 2 to switch between playing messages 1 and 2.
- 6) The person listening to the message on their telephone can acknowledge the call by pressing the **#** key. This will cause the panel to hang-up the call. If the call is acknowledged using the **\*** key the panel is put in remote control mode whereby it can be controlled using a touch-tone telephone (see below).
- 7) Once the messages have been tested using menu 92, it is advisable to test the channels respond correctly. For example, if you have programmed the function of channel 2 as Burglar Alarm, then you should arm the system and activate an alarm zone, then verify that the message is reported as expected.

## Remote Control Commands

The figure below shows a quick guide to the remote control commands, for full details; refer to the Touch-Tone Remote Control User Guide:



## Specifications

<b>Supply Voltage:</b>	9 – 16Vdc
<b>Current Consumption (Standby):</b>	1mA
<b>Current Consumption (Active):</b>	7mA
<b>Messages/Channels:</b>	2
<b>Message Length:</b>	12 Seconds
<b>Dimensions:</b>	52mm x 30mm x 10mm
<b>Packed Weight:</b>	25g
<b>Product Identification (Barcode):</b>	PSM

## Standards

The *Speech Module* conforms to European Union (EU) Low Voltage Directive (LVD) 73/23/EEC (amended by 93/68/EEC) and Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).



The CE mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

This product is suitable for use in systems designed to comply with PD 6662: 2004 (prEN 50131-1: 2004) at Grade 2 and Environmental Class II.

## Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Speech Module* is covered by a two-year warranty against defects in material or workmanship.

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