

Speech Module

INSTALLATION INSTRUCTIONS

Texecom

Designed to Perform

INS297-2

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 9.3 or higher)
- Premier 832 (Must be fitted with software version 2.3 or higher)



NOTE The Speech Feature is not to be used as the primary means of signalling to a central station. For supplementary use only.

PCB Layout and Connections

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

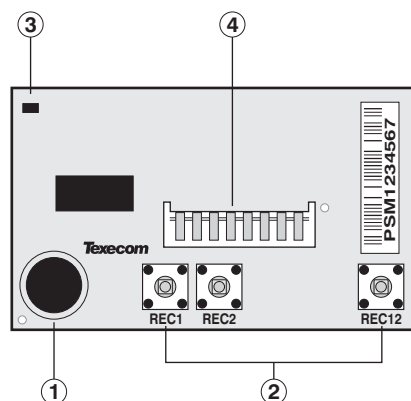


Figure 1. *Speech Module* PCB Layout

- 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.

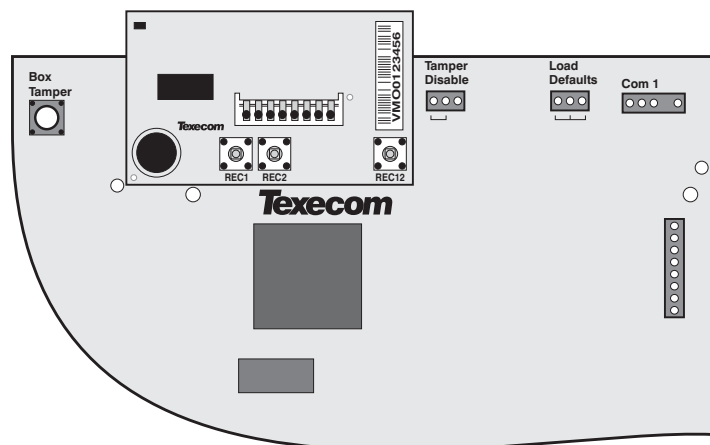


Figure 2. *Speech Module* Installed on Control Panel PCB

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*).

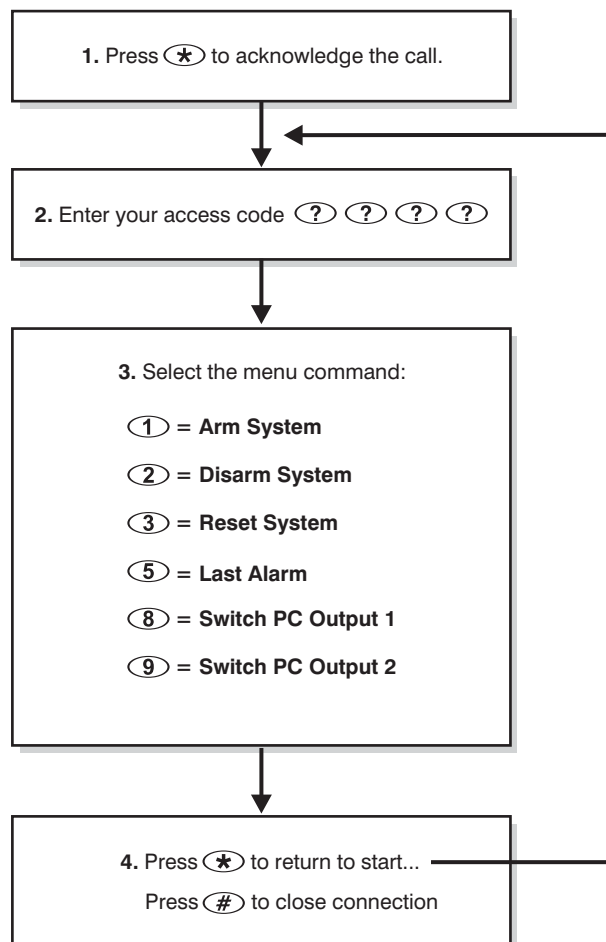
Testing the Speech Module

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:



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(Calls charged at 3.36 pence per minute from a BT landline. Calls from other networks may vary.)

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Specifications

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

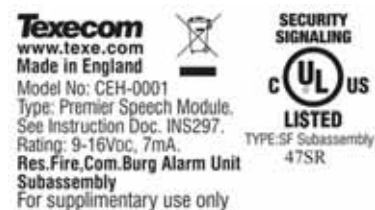


The CE mark indicates that this product complies with the European requirements for safety, health, environment and customer protection.

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.



Texecom Ltd Limitations and Disclaimer

This system has been carefully designed to be as effective as possible, however not even the most advanced alarm system can guarantee 100% protection. There are circumstances involving fire, burglary, or other types of emergencies where it may not provide protection. Any security product whether commercial or residential may be compromised deliberately or may fail to operate as expected for a variety of reasons. Texecom cannot accept liability for the System failing to perform as expected. Some but not all of the reasons for this may include:-

Intruders may enter through an unprotected access point, circumvent a sensing device, evade detection by moving through an area of insufficient coverage, disconnect a warning device, or interfere with or prevent the proper operation of the system.

Intrusion detectors powered by AC will not operate if AC power is disconnected or inadequate. Any interruption to AC power, however brief, will render that device inoperative while it does not have power. Power interruptions of any length are often accompanied by voltage fluctuations which may damage electronic equipment such as a security system. After a power interruption has occurred, immediately conduct a complete system test to ensure that the system operates as intended.

A user may not be able to operate a panic or emergency switch possibly due to permanent or temporary physical disability, inability to reach the device in time, or unfamiliarity with the correct operation.

Even if the system responds to the emergency as intended, the occupants may not have enough time to protect themselves from the emergency situation. Where the alarm system is monitored, the authorities may not respond appropriately or in time to protect the occupants or their belongings. In the case of wireless detectors, signals may not reach the receiver under all circumstances which could include metal objects placed on or near the radio path, deliberate jamming or other inadvertent radio signal interference.

Motion detectors can only detect motion within the designated areas as shown by the detection pattern in their respective installation instructions. They cannot discriminate between intruders and intended occupants. PIR detectors cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows.

If the detector is battery operated, it is possible for the batteries to fail. Even if the batteries have not failed, they must be charged, in good condition and installed correctly. Our wireless detectors have been designed to provide several years of battery life under normal conditions. Ambient conditions such as high humidity, high or low temperatures, or large temperature fluctuations may reduce the expected battery life. While each transmitting device has a low battery monitor which identifies when the batteries need to be replaced, this monitor may fail to operate as expected. Regular testing and maintenance will keep the system in good operating condition.

Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. Some of these heat sources could be heaters, radiators, stoves, barbecues, fireplaces, sunlight, steam vents, lighting and so on.

Dual technology microwave detectors must be adjusted by the installer so they do not detect motion outside the intended protected area. The protection pattern may also be affected by metal objects or foil covered insulation.

Smoke detectors have played a key role in reducing residential fire deaths, however they may not activate or provide early warning for a variety of reasons in as many as 35% of all fires, according to data published by the Federal Emergency Management Agency. Some of the reasons smoke detectors used in conjunction with this System may not work are as follows:-

- Smoke detectors may have been improperly installed and positioned.
- Smoke detectors may not sense fires that start where smoke cannot reach the detectors, such as in chimneys, in walls, or roofs, or on the other side of closed doors.
- Smoke detectors also may not sense a fire on another level of a residence or building. A second floor detector, for example, may not sense a first floor or basement fire.
- Finally, smoke detectors have sensing limitations. No smoke detector can sense every kind of fire every time. In general, detectors may not always warn about fires caused by carelessness and safety hazards like smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches, or arson.

Depending on the nature of the fire and/or location of the smoke detectors, the detector, even if it operates as anticipated, may not provide sufficient warning to allow all occupants to escape in time to prevent injury or death.

Alarm warning devices such as sirens, bells or horns may not alert people or wake up sleepers if they are located on the other side of closed or partly open doors. If warning devices are located on a different level of the building from the bedrooms, then they are less likely to wake or alert people inside the bedrooms. Even persons who are awake may not hear the warning if the alarm is muffled by noise from a stereo, radio, air conditioner or other appliance, or by passing traffic. Finally, alarm warning devices, however loud, may not warn hearing-impaired people.

Telephone lines or other types of communication medium needed to transmit alarm signals from protected premises to a central monitoring station or other response service may be out of service. Telephone lines are also subject to compromise by sophisticated intruders.

Any type of tampering whether intentional or unintentional may impair the proper operation of the system.

Although every effort has been made to make this module as reliable as possible. Even the most reliable electrical devices, including this alarm system, may fail to perform correctly due to unexpected failure of a component part.

Inadequate maintenance is the most common cause of alarm failure. Therefore, test your system at least once per week to be sure sensors, sirens, and phone communications are all working correctly.

Although having an alarm system may make you eligible for reduced insurance premiums, regardless of its capabilities however, the system is no substitute for insurance. Homeowners, renters or other occupiers should continue to insure their lives and property.

Note to Installers

This warning contains vital information. As the only individual in contact with system users, it is your responsibility to bring each item in this warning to the attention of the users of this system.