

# Multi-Announcer

Model **349**

Version 01.02

**USER GUIDE**

*Multimessage Systems Ltd*

Units 1 & 2 Cranborne Ind. Estate, Cranbourne Road, Potters Bar Herts, EN6 3JH  
Telephone: ++44 (0) 1707 644480 Fax: ++44 (0) 1707 646745  
[www.multimessage.co.uk](http://www.multimessage.co.uk)

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## TECHNICAL NOTES

1. This equipment has been approved pursuant to Council Decision 98/482/EC [CTR 21] for pan-European single terminal connection to the Public Switched Telephone Network (PSTN). However, due to differences between the individual PSTN provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN termination point. In the event of problems, you should contact your equipment supplier in the first instance.
2. The Multimessage Systems model 349 announcer is suitable for connection to Exchange lines which provide Multi-Frequency (MF) signalling. The model 349 announcer is not suitable for connection as an extension to a payphone, neither to a shared-service (party) line or a 1+1 carrier system.
3. Interconnection directly, or by way of other apparatus, of ports marked in accordance with BS 6301 or EN41003 with ports not so marked may produce hazardous conditions on the telephone network and that advice should be sought from a competent engineer before such a connection is made.
4. Interconnection circuits made to the audio in, out and out(8Ω) ports should be such that the equipment continues to comply with the requirements of EN60950 2.3 for SELV circuits. (the voltages in a SELV circuit shall not exceed 42.4V peak or 60V dc). Advice should be sought from a competent engineer before such a connection is made.
5. The system is not suitable for use as an extension to a payphone.
6. Refer all servicing to qualified personnel or to the Multimessage Systems Customer Servicing Department at the address given on the front page of this handbook. The system does not contain any user serviceable parts.
7. **The line cords and mains cable must be disconnected before removing the cover of the announcer system.**

<b>Exchange Lines</b>	MF REN of 3 (TNV3 CIRCUIT)
<b>External input</b>	-10 dBm 600 Ohms peak maximum input.
<b>External outputs</b>	0 dbm 8 Ohms -10 dbm 600 Ohms
<b>Dimensions</b>	255mm long x 320mm wide x 40mm deep
<b>Weight</b>	3.2kg
<b>Power Supply</b>	230V AC 50 Hz
<b>Power Consumption</b>	65mA
<b>Temperature</b>	0 to 40°C working -20 to +70°C storage
<b>Relative Humidity</b>	0 to 95% (non-condensing)

## **Introduction to your announcer**

Read this section to get an overview of how your Multimessage announcer works. This section also contains some important information about conditions for installing and connecting the unit.

The Model 349 is fitted in a one-unit-high case, equipped with 5 ports (analogue telephone lines) in addition to 1 local control telephone handset port. All ports are analogue 2-wire type.

Ports may be connected to:

- ◆ An analogue PSTN lines or
- ◆ A PBX extension lines

The announcements and settings can be modified while the system continues to function with calls in progress and answering incoming calls on other ports.

Announcement recording and set-up selection requires one of the following:

1. An ordinary tone-dialling telephone handset connected to the local handset port on the rear panel,
2. When remote control is enabled, a tone-dialling telephone handset calling any of the 5 ports via the public/private telephone system.

## **Announcements**

Each port of the M349 announcer is assigned an announcement.

Up to 99 different announcements are available.

Each caller hears the relevant announcement from the beginning.

## **Facilities**

- ◆ Solid-state (digital) storage of announcements
- ◆ 24 hour battery back-up for when mains power fails
- ◆ Up to 99 announcements may be recorded
- ◆ Announcements may be of any duration, only limited by total storage capacity
- ◆ Any announcement may be assigned to any port.
- ◆ Announcements can be modified while the system continues to answer calls.
- ◆ Any port can have auto-answering enabled, disabled or forced to drop the call in progress
- ◆ Auto-answering
- ◆ Auto-clearing
- ◆ Individual call counts for each port and total count for all the ports, allowing the monitoring of the calls received
- ◆ Complete system set-up using MF telephone handset.
- ◆ Connection, both input and output via 3.5mm jack sockets for external equipment such as a tape recorder / CD player. Outputs = 0 dbm 8 ohms and -10 dbm 600 Ohms. Input = -10 dBm peak maximum 600 Ohm.
- ◆ Remote control may be obtained while the announcement is heard, via the PSTN, for recording, playing or assigning announcements to ports. Access is guarded using a 4 MF digit security code. Individual ports can have remote control enabled.

## Installation

### ***Choosing A Suitable Site***

The system should be installed on a level, solid surface, where:

- ◆ It is near an earthed mains socket outlet, so that the mains lead will reach. This socket shall remain easily accessible.
- ◆ The telephone line cords will reach your telephone line sockets.
- ◆ There is a minimum of background noise, so that you can record your announcements satisfactorily.
- ◆ You can easily see the display (preferably at head height).
- ◆ The unit is away from direct sunlight or heating appliances
- ◆ Air can circulate around the unit (allow at least 10 mm clearance all round)
- ◆ The temperature is maintained between -10°C and 40°C.
- ◆ The unit is away from water or corrosive chemicals, particularly salt spray.

### ***Unpacking The System***

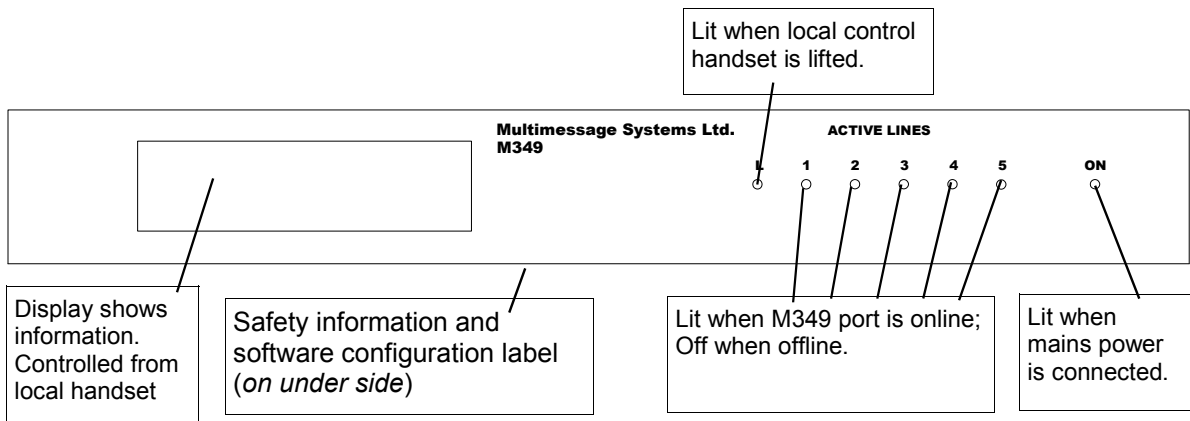
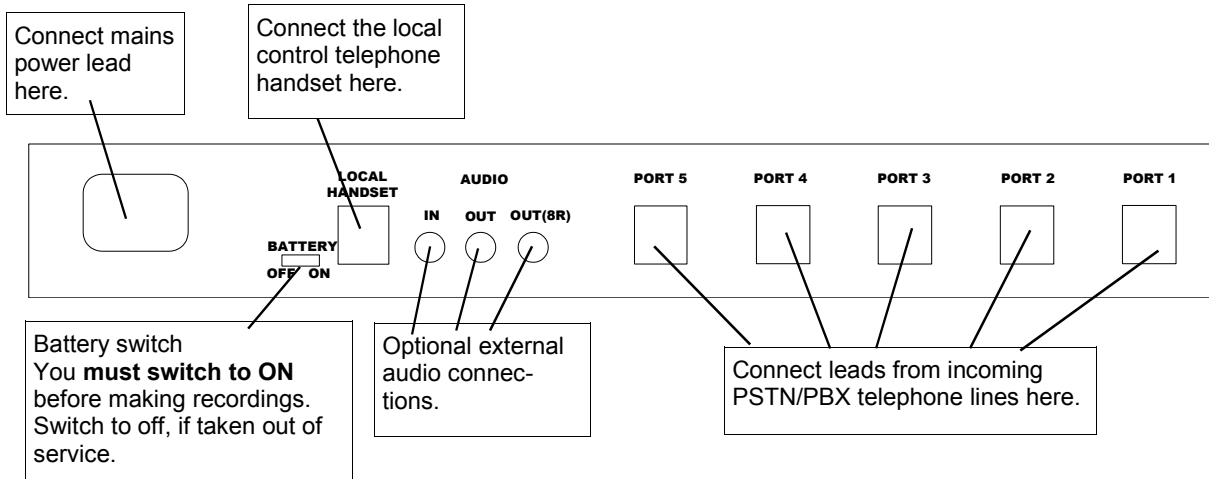
When you unpack the system from its box, you will find:

- ◆ The Multimessage Model 349 announcer.
- ◆ A mains lead with fitted plug.
- ◆ 5 telephone line cords.
- ◆ A telephone handset.
- ◆ This User Guide.

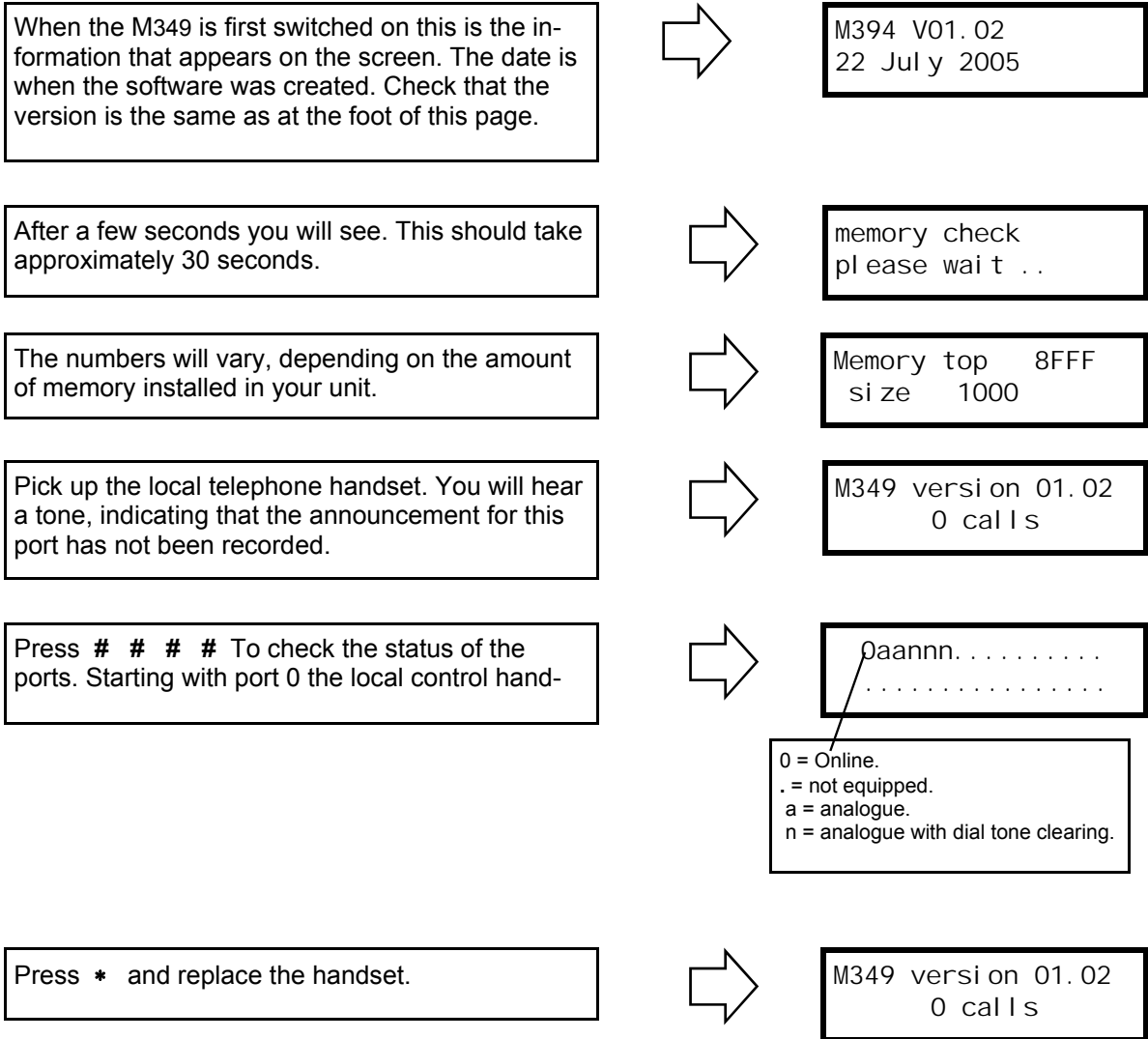
### ***Installation Procedure***

Please make sure you follow these steps in the correct order, and that you have read the TECHNICAL NOTES.

- 1 Carefully remove the unit from its plastic bag.
- 2 Plug the local handset in to the socket marked 'LOCAL HANDSET'.
- 3 You **must** plug the line cords into the M349 sockets , before connecting the other end to the PSTN or PBX port.
- 4 Plug the mains lead into the socket at the rear of the unit.
- 5 With the switch on the mains socket set to **off**, plug the mains lead into the socket. Switch on at the socket.
- 6 Switch the battery switch to the on position.



Watch the display and check that it shows the information as follows:



You are now ready to set the system up to answer your callers. Go to **Read This First**.

## Read This First (*How to control it*)

### **Menus**

The system works via a series of menus. The display offers you a number of options, to be selected by pressing a key on the telephone. When you press a key, you may see another menu. Inviting you to choose a further option. If you then lift the handset (*You will hear a tone or an announcement if it has been recorded and assigned to port 0*), press the # key, a 'pip pip' tone is played indicating that you are now in the initial menu.

Press 1-Record 2-Play/Assign      #→
---

What this means is that you can press:

- 1** to record or delete an announcement;
- 2** to play an announcement or assign an announcement;
- #** to see the 2nd menu;
- \*** to return to play and display the current announcement for port 0;

### **Function Displays**

When you have pressed a key to select a function from the menu, the display may prompt you to key in some data. If you need to key in an announcement number, a port number, etc. the display offers you a default value-usually the one assigned to that port, e.g. Announcement 1. The offered number you can change is blinking to indicate that you can key in a new digit. Alternatively, if you want to accept the value shown, just press the # key

**The # key**-where a number is offered the # key accepts the number.

**The \* key**-is used to exit from the current function without making further changes and in many places the \* key allows a correction to be made by backspacing to the previous digit, number or menu.

**The 0 key**-is used to step to the next available announcement number for recording or playing announcements.

If the handset is replaced before a sequence is followed through to its usual ending then wherever possible the M349 reverts to its condition before the sequence began.

### **Getting started**

Using the procedure for 'Record- Play- Assign Announcements' record the following:

*"Hello this is... (your name)" plus any other information such as "your call may be recorded" or "I am very sorry I am unable to connect you". Add any other information such as the times when you will be able to take calls.*

### **Confirmation**

When you have completed the recordings and assignments, replace and then pickup the local handset. The local telephone now plays the announcements, in the same way as callers would hear them. To make changes, press **#** for the main menu.

When an announcement has started to play, you will need to press the **#** key within the first 10 seconds to gain control. If longer than this, replace the handset and start again.

## Record- Play- Assign Announcements

Lift handset press # . From the main menu press 1 for record.

Record ann 1  
01..99 #-start

Enter announcement number  
or press # to accept the one  
offered.

Or if the announcement exists.

Re-record 1 ?  
0-next \*-no #-start

Enter announcement number,  
press # to re-record the one offered,  
0 to find first available  
or  
\* to end without re-recording.

Press # to start the recording.



Recording 1  
free 1634 #-stop

After the tone, speak clearly into the handset.

Shows seconds of free recording  
time available to you.

Press # to stop  
or  
\* to pause, resume by pressing  
\* again.



1 Playing Time 14  
#-Accept \*Do again

The announcement you have just recorded is played.

Shows length of recording  
in seconds.

Press # , to accept and review or change the assign-  
ment,  
or  
\* or any other key will **discard** your new recording.



Ann 1 assigned to  
ports 0..1 #-next

The announcement is played repeatedly

Shows range of ports to which  
this ann is currently assigned and  
offers start of the range.

Press # to accept  
or  
0..5 change the start of range,  
or  
\* to exit without changing the assignment.



Ann 1 assigned to  
ports 0..1 #-next

Offers end of the range.

Press # to accept  
or  
0..5 change the start of range,  
or  
\* to exit without changing the assignment.



Press 1-Record  
2-Play/Assign #→

The peep-peep is played indicating that you are back at the main menu  
again..

## The External Audio Input Socket

The external input socket may be used for recording speech or music.

If speech with background music is required then follow the section 'Record Announcements' until it displays '# to start'. Start the CD Player (or Tape), press # key to start the recording, say your announcement, then press the # key to end the recording.

If speech from the handset is not required then follow the section 'Record Announcements' until it displays '# to start'. Press secrecy / Mute button (*to mute the handset microphone*), start the CD Player (or Tape) when it reaches the section of music that you wish to record, press # key to start the recording, then press # key to end the recording.

To record a mixture of speech and music e.g. "You have been placed on hold, please wait", follow the section 'Record Announcements' until it displays '# to start'. Press # key to start recording; once you have finished recording your speech press \* to pause, press the secrecy button, then start the CD Player (or Tape); press \* to continue recording. Once the section of music you wish to record has finished press # key to end the recording.

The level of music should be kept low to avoid the automatic gain control circuit from compressing the music. Replaying compressed music to the callers may cause them to be prematurely cut off.

## Remote control of the M349

Before you can use remote phone control you must enable remote access to the ports that you are going to use for this. (see **Remote control access**).

Call the remote control port. Listen for the announcement then press # you will now hear silence. Enter your 4 digit key code, (default code is 0 0 0 0 )when correct you will hear 'pip pip' tone played. You can now select the functions from the main menu:

1-Record or 2-Play/Assign. The 2<sup>nd</sup> menu is not accessible.

### **Remotely Rerecord**

The following assumes that the Announcement number you wish to rerecord is the same as currently assigned to the port you are using for remote control. If the number is different then go to **Remote Assignment of Announcement to ports** first.

Press **# x x x x** (your remote access key code)

After gaining remote access you will hear 'pip pip', press **1 #**

to start recording, speak after the tone, press **#** to stop. The recording that you have just made is played back to you for confirmation.

Press **#** to accept the new recording, any other key will **discard** the new recording. (Callers will continue to hear the old one.)

Press **\*** you will hear the 'pip pip' tone confirming that you are back at the main menu again.

Press **\*** again and the message that is assigned to the port you are calling on will be played and remote control will end.

### **Remote Assignment of Announcement to ports**

Press **# x x x x** (your remote access key code)

After gaining remote access you will hear 'pip pip'

Press **2** The first announcement starts to play

Press **0** to play the next, or enter the announcement number **1..9 9** press **#** to start.

When you hear the one to be assigned:

Press **#** then **1..5** for the first port in the range, then **#** to accept.

Enter **1..5** for the last port in the range, then **#** to accept.

You will hear the 'pip pip' tone confirming that you are back at the main menu again.

Press **\*** again and the message that is assigned to the port you are calling on will be played and remote control will end.

## Erasing Announcements

Lift handset press # . From the main menu press 1 for record.

Re-record 1 ?  
0-next \*-no #-start

Enter announcement number, press \*



Erase 21 ?  
\*-no #-yes

*Callers listening to this will be dropped. Use re-record if you wish callers to stay online.*

Press # to erase or  
press \* to return to the main menu



Offers the next announcement.  
Re-record 22 ?  
0-next \*-no #-start



Press 1-Record  
2-Play/Assign #->

The peep-peep is played indicating that you are back at the main menu again.

## Playing Announcements

If you are playing in a noisy environment, press the Secrecy key to ensure that noises from the handset microphone do not interfere with any MF digits.

### Selecting an announcement to play

Lift handset press # . From the main menu press 2 for play



Shows length of recording in seconds.

1 Playi ng Ti me 14  
1..9 #-assi gn 0-next

The first recorded announcement starts playing.



Press #

To select an announcement:  
press digits for the announcement number 1..99 ,  
press #  
to start playing it.



Ann 23  
1..99 #-Accept \*->

At the end the display shows

23 end 11 seconds  
1..9 #-assi gn 0-next



To select another press digits for the announcement  
number 1..99, press #

If the announcement has not been recorded then the display will show-

Ann 21 not recorded  
0-Next \*



Select another announcement number, or 0 for the  
next recorded one.

If no announcements have been recorded then the display will show-

There are no anns.  
recorded



Press \* to return to the main menu.

Press \* to return to the main menu at any time.

## Review or Change Assignment of Announcement to Ports

Lift handset press # . From the main menu press 2 for play

The first recorded announcement starts playing.

Shows length of recording in seconds.



1 Playing Time 14  
1..9 #-assign 0-next

Select announcement. Press digits for it's number 1.. 9 9 , press # to start playing it.



1 Playing Time 14  
1..9 #-assign 0-next

Press # , to review or change the assignment.

The announcement is played repeatedly.



Ann 1 assigned to  
ports 0.. 1 #-next

Shows range of ports to which this act is currently assigned and offers start of the range.

Select port for the start of range, press digits for it's number 1.. 5,  
press # for range end offer,  
# # to review next range of ports if present or return to the main menu if no other range exists.



Ann 1 assigned to  
ports 0.. 3 #-next

Offers end range of ports.



Ann 1 assigned to  
ports 4.. 5 #-next

Select port for the end of range, press digits for it's number 1 .. 5, press # to accept and review next range of ports if present or return to the main menu if no other range exists.  
or  
\* to return to the main menu.



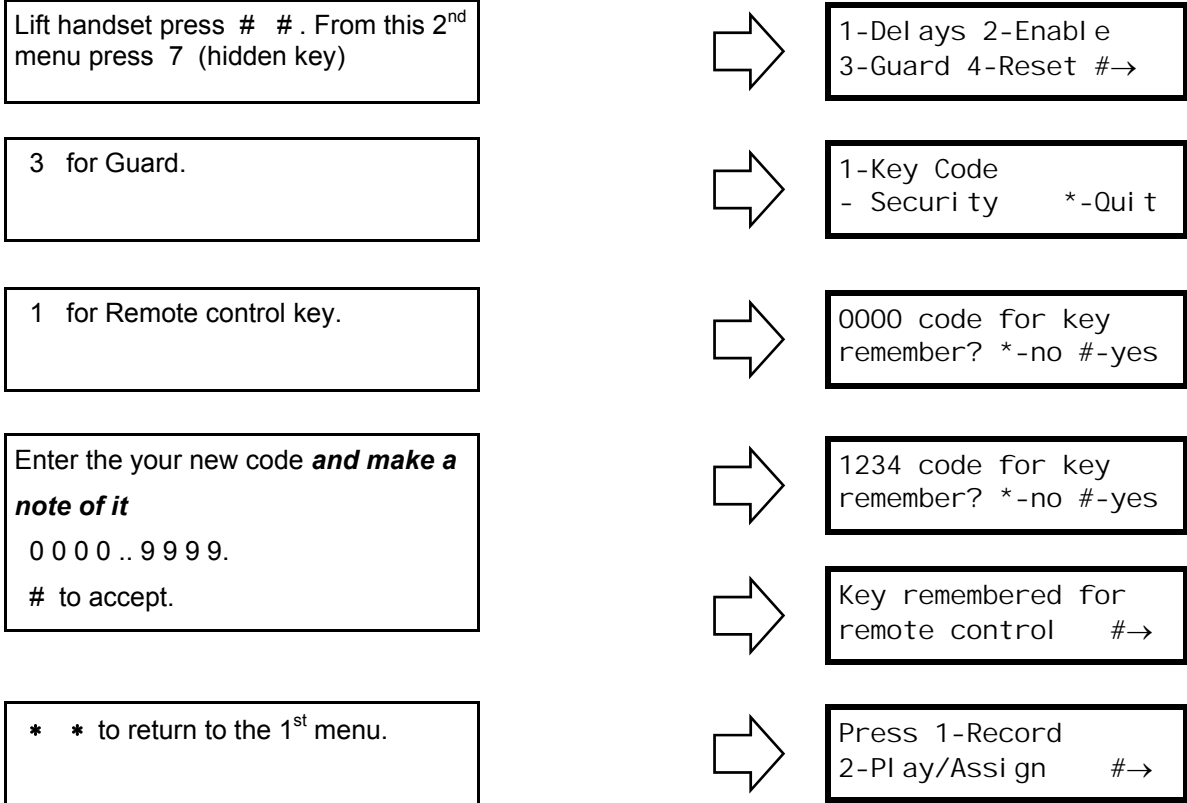
Press 1-Record  
2-Play/Assign #→

The peep-peep is played indicating that you are back at the main menu again.

## Remote control access

### **Changing Key Code for remote control**

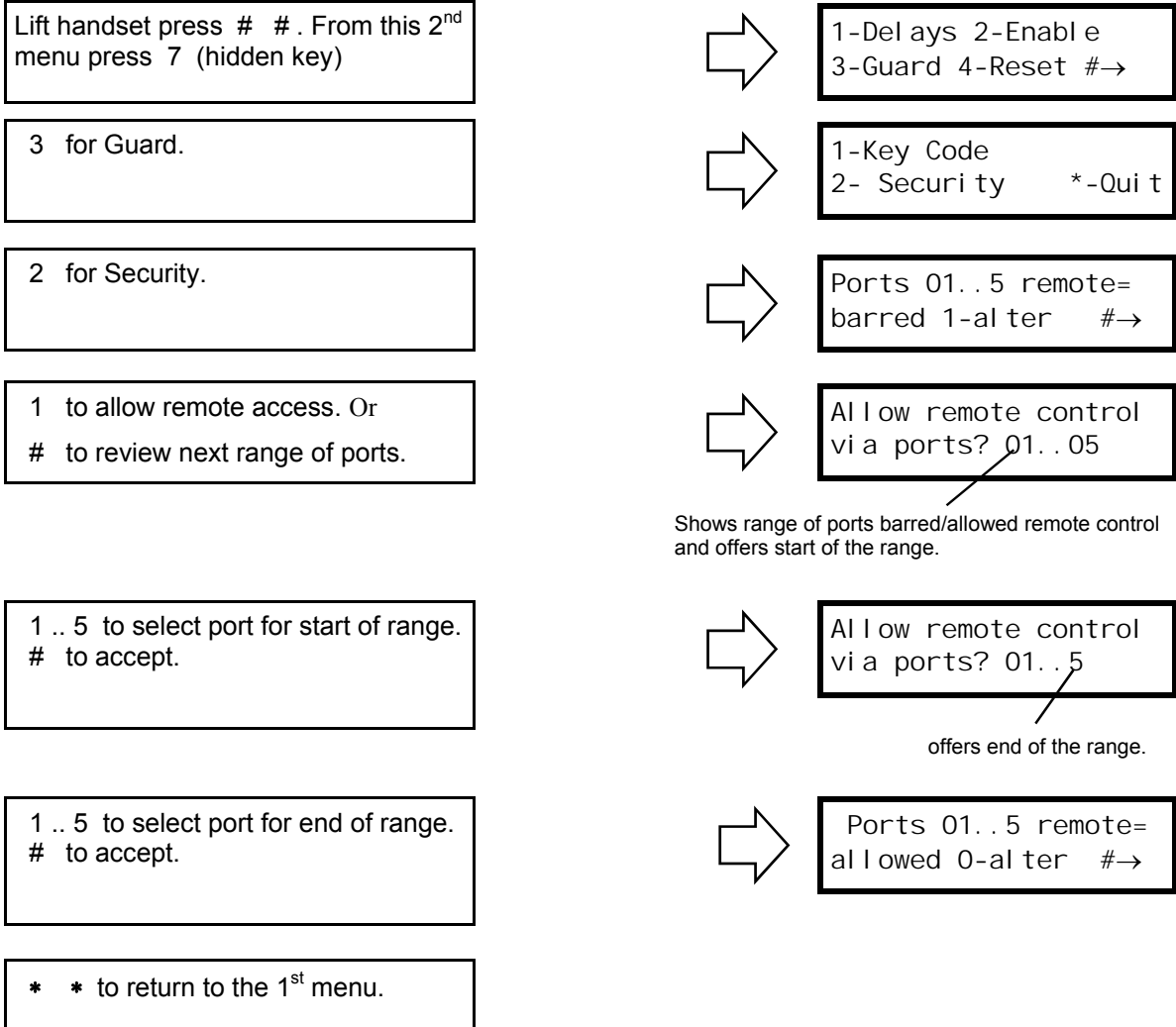
At the time of installation remote control access will be barred.  
You may only change the access key code. It cannot be reviewed.



The peep-peep is played indicating that you are back at the main menu again.

### **Allow or bar remote control**

Change or review the range ports allowed to control the system for making changes such as new recordings or assign announcements to other ports. At the time of installation remote control access will be barred.



The peep-peep is played indicating that you are back at the main menu again.

## Call Counters

### *Total Count Of Calls Received*

Lift handset press # # . From the 2<sup>nd</sup> menu press 1 for Hits.



1-ResetCalls  
2-Calls per port #→

1 for Reset Calls.  
\* to return to the 2<sup>nd</sup> menu.



Total calls = 000028  
0-reset to zero

0 for reset to zeros.



Calls = 000000  
#→

\* to return to the 2<sup>nd</sup> menu.



1-Hits 2-Free  
4-Setup 5-Clock #→

\* to return to the 1<sup>st</sup> menu.



Press 1-Record  
2-Play/Assign #→

The peep-peep is played indicating that you are back at the main menu again.

## Count of Calls Received by each port

Lift handset press # # . From the 2<sup>nd</sup> menu press 1 for Hits.



1-ResetCalls  
2-Calls per port #→

2 for Calls per port.  
or \* to return to the 2<sup>nd</sup> menu.



Port0 (Local handset) calls  
are not counted.

00	0000	0000
01	0120	0120

Port number      Re-settable  
counter.            Non-resettable  
counter.

8 to scroll down.



Selected port re-settable  
counter blinks.

01	0120	0120
02	0045	0045

0 to zero and scroll down.



01	0000	0120
02	0045	0045

2 to scroll up.



00	0000	0000
01	0000	0120

\* to return to the 2<sup>nd</sup> menu.



1-Hits 2-Free  
#→

\* to return to the 1<sup>st</sup> menu.



Press 1-Record  
2-Play/Assign #→

The peep-peep is played indicating that you are back at the main menu again.

## Enable number of announcement plays or disable ports from answering

Change or review the number of times the announcement will be repeated to callers for a range ports.

Lift handset press # # . From this 2<sup>nd</sup> menu press 7 (hidden key)



1-Delays 2-Repeats  
3-Guard 4-Reset #->

2 for Repeats



00.. 05 play 1 times  
0..9 to alter #-next

Number of repeats blinks.

# to review next range of ports.  
(Only if different settings have been used)

Or 1 .. 7 for number of repeats.

Or 0 to stop ports from answering  
Or 9 to answer from 'Ring Start'  
and repeat playing until a clear  
signal is received.

Or 8 to answer from 'Loop Start'  
repeat playing. A clear signal will re-  
start the announcement.

Or \* to quit.



00.. 05 play 2 times  
0..9 to alter #-next

*The display will not change if all ports are the same when reviewing*

after 0..9 press, # to accept

Or \* to quit.



04.. 05 play 3 times  
0..9 to alter #-next



00..05 not to answer  
calls #->

0 ..5 for start of range.

# to accept

0 ..5 for start of range.

# to accept



Enable 0 plays  
to ports 0.. 5



Enable 0 plays  
to ports 4.. 4

\* to return to the 1<sup>st</sup> menu.

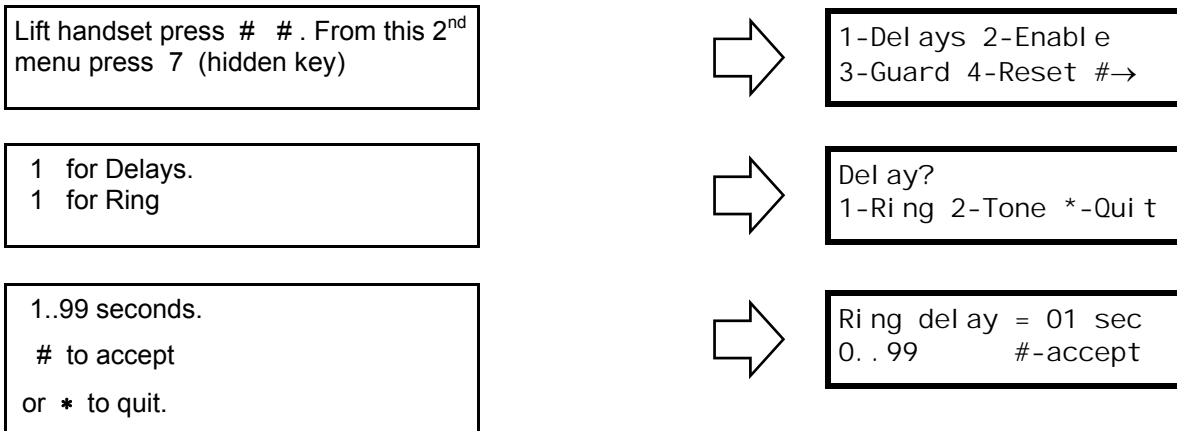


Press 1-Record  
2-Play/Assign #->

The peep-peep is played indicating that you are back at the main menu again.

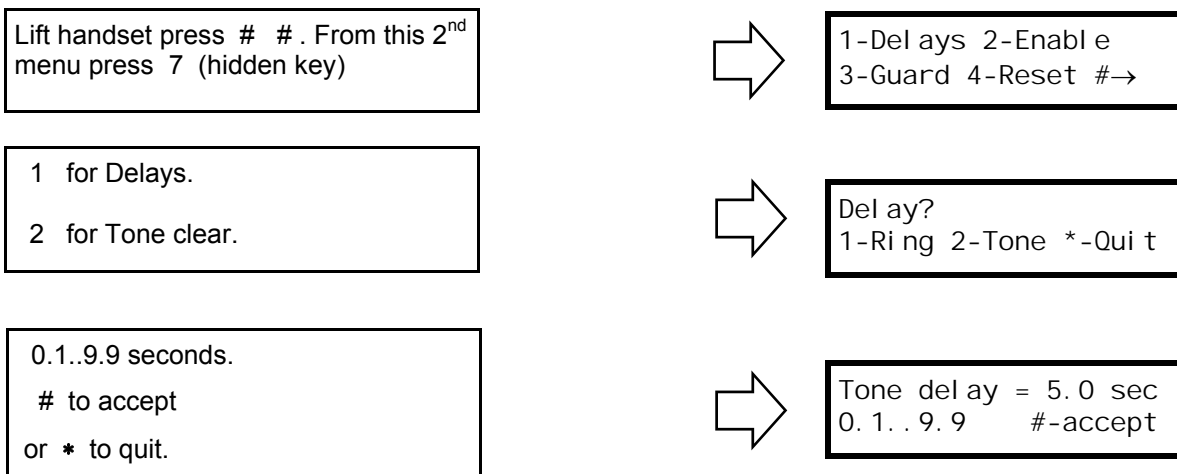
## Ring delay

Review or change the time before an incoming call is answered.



## Clearing to dial-tone delay

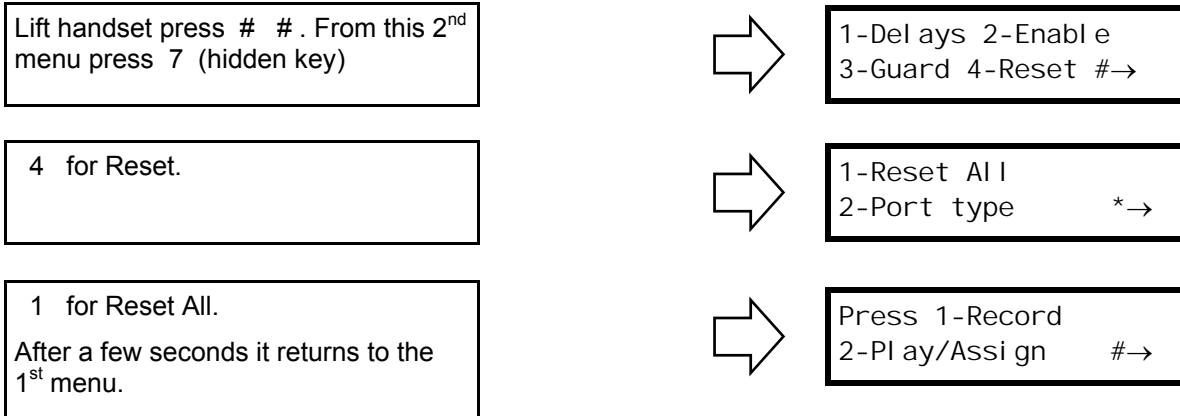
Review or change the time dial-tone has to be present before an incoming call is cleared. If the time is short, noise from the caller may cause premature clearing. If the time is long, you could experience false calls, where callers hang up during the announcement and the disconnect clear signal from the PSTN is not presented. *Only change from the default value of 5 seconds if you are experiencing problems.*



## Reset all ports

*Only use this if you are experiencing problems.*

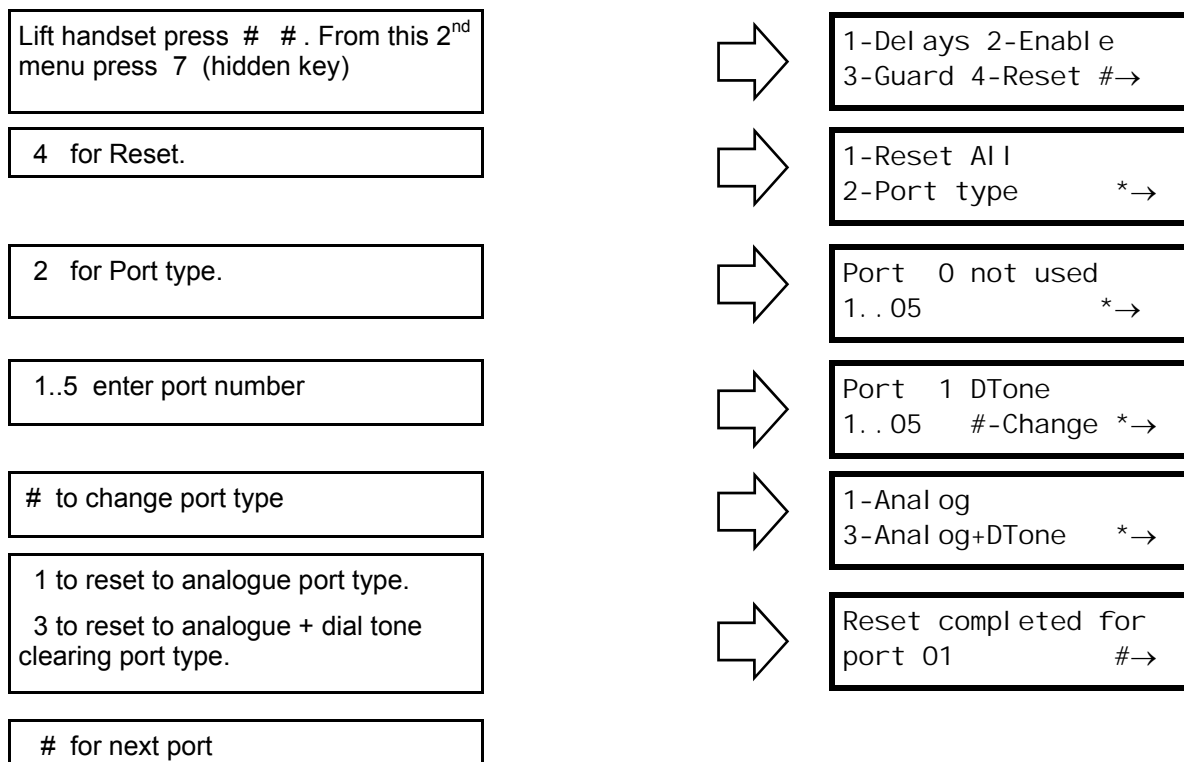
Calls in progress will be cut off. The stored announcement data will be tested and cleared if found to be incorrect. Make a note of your current settings before you follow this procedure.



## Reset a port and set its type of clearing signal

*Only use this if you are experiencing problems.*

A call in progress will be cut off. The stored announcement data will remain unchanged. Only change the type to 'analogue' if callers are prematurely disconnected while listening to announcements with tones or music, otherwise you could experience false calls, where callers hang up during the greeting and the disconnect clear signal from the PSTN is not presented.



## **GUARANTEE**

Multimessage Systems Ltd. guarantees this product for one year from the date of purchase provided that:

- The product has only been used for its intended purpose, and has not been subjected to misuse, or been wilfully or accidentally damaged.
- The product has been installed according to the maker's Installation Instructions.
- The product has not been tampered with or repaired by anyone other than Multimessage Systems Ltd. or its approved agents.

If a fault occurs in this product within twelve months of purchase you should return it to where you bought it, together with the sales receipt, and it will then be replaced or repaired free of charge.

This guarantee does not affect your statutory rights and is applicable to the United Kingdom only.