DBTEL CORDLESS TELEPHONE

(DB8210)

DETAIL PRODUCT DEFINITION

ISSUE 3.0

APPROVAL	CUSTOMER	DBTEL
Name		
Title		
Signature		
Date		

Revision History

Version	Date	Remarks
ISSUE 2.0	November 11, 1998	Status: proposal.
ISSURE 3.0	December 3, 1998	Status: S/W Sample Submit Major modification: 1. When MUTE function is activated, the BATT LOW LED will be lit on. 2. Call Screen can be operated from either the base unit or cordless handset.

1. General Description

43-733 is basically a cordless telephone with 1 external line, single handset and digital answer machine embedded for the U.S. market, using DS/SST (Direct Sequence Spread Spectrum Technology) over 902 ~ 928 MHz. It is designed basing on the following standards:

(1) FCC Part 15.31, 15.207, 15.247
(2) FCC Part 68
(3) UL 1950
(4) RS 470B

1.1 Handset

1.1.1 Working condition:
(1) Temperature: 0°c ~ +55°c
(2) Humidity: 15 ~ 90%, Non-condensing

1.1.2 Key:
[1], [2], [3], [4], [5], [6], [7], [8], [9], [*], [0], [#], talk, remote, redial, flash, memory, volume up, volume down, and mute, totally 20 keys.

1.1.3 LED: Talk on/ memory, battery low, and remote, totally 3 LED's.

1.1.4 Antenna: Rubber antenna.

1.1.5 Headset jack: Headset is not provided.

1.1.6 Switch: Ringer on/off.

1.2 Base station

1.2.1 Working condition:
(1) Temperature : +5°C ~ +45°C
(2) Humidity: 15 ~ 90%

1.2.2 Key:
Page, answer, delete, repeat, stop, skip, message center, mailbox 1, mailbox 2, announcement, clock, volume up, and volume down, totally 13 keys.

1.2.3 LED: In use, charge, power, mailbox 1, mailbox 2 and two 7-segment LED's.

1.2.4 Telephone jack: RJ11, 6p2c15u".

1.2.5 DC power jack.

1.2.6 **Switch**: Ringer on/off, tone/pulse, and 4/7/toll saver, totally 3 switches.

1.2.7 **Antenna**: Rubber antenna.

1.3 Accessories

1.3.1 **Gift box**

1.3.2 **User's manual**

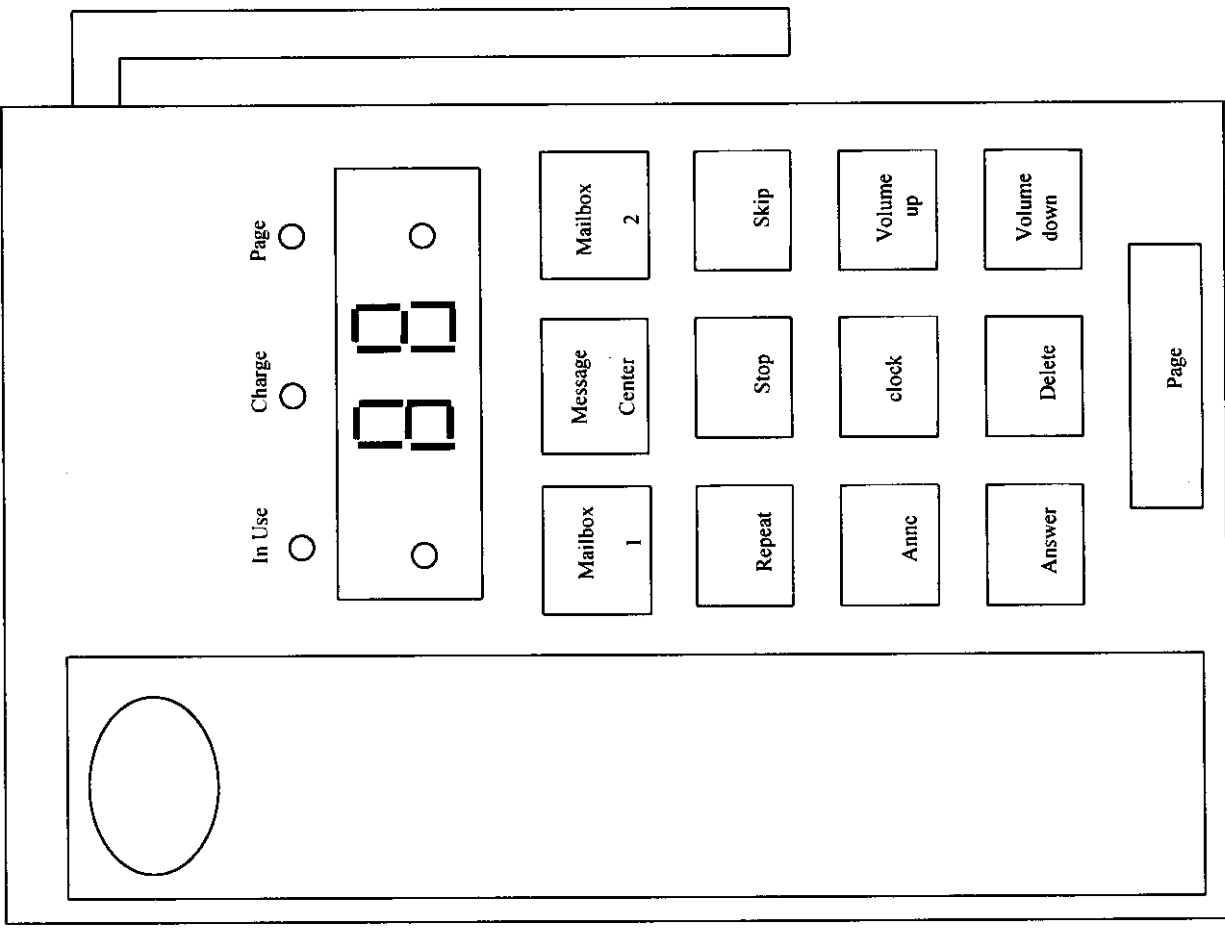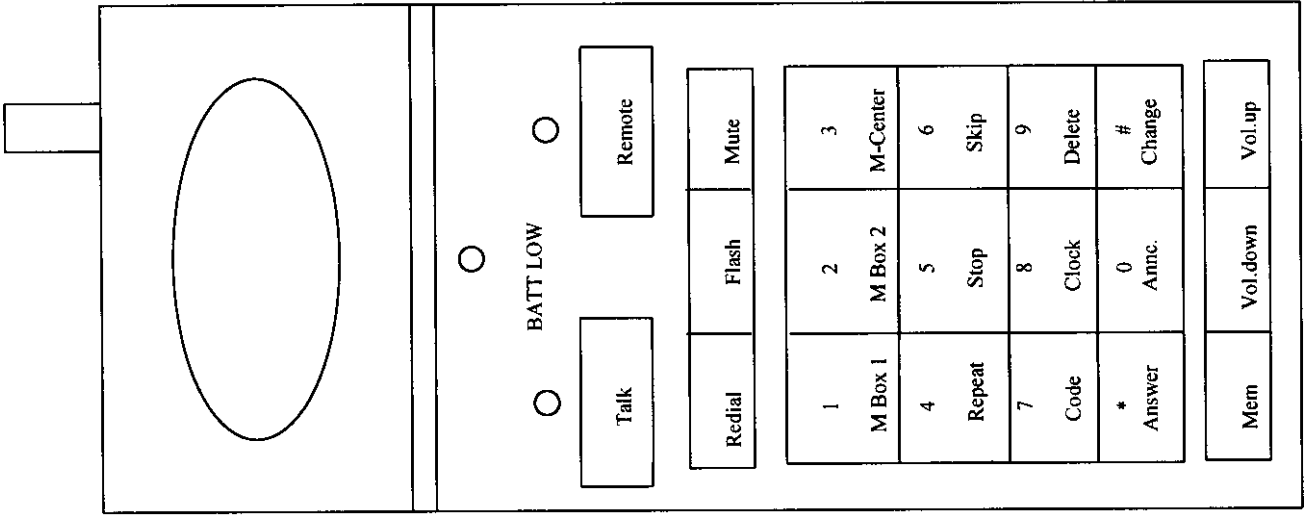1.3.3 **Wall mount bracket**

1.3.4 **Battery**:

A pack of 3 AA size NiCd rechargeable battery with 600mAh.
Cycle life for 500~1000 charge/discharge cycles is expected.

1.3.5 **Adapter:**

Input: 120VAC, 60Hz.
Output: 9VDC, 500mA.
Length: 180 cm.

1.3.6 **Telephone line:**

Long cord: 6p2c15u", 7 feet.
Short cord: 6p2c15u", 7 inches.

BATT LOW

Remote

Talk

Mute | Flash | Redial

3 M-Center	2 M Box 2	1 M Box 1
6 Skip	5 Stop	4 Repeat
9 Delete	8 Clock	7 Code
# Change	0 Annc.	* Answer

Vol.up | Vol.down | Mem

Page Charge In Use

Mailbox 2	Message Center	Mailbox 1
Skip	Stop	Repeat
Volume up	clock	Annc
Volume down	Delete	Answer

Page

2. Features

2.1 General

- Auto channel selection: 20 channels.
- Clear range: 1200 feet.
- Last number redial: up to 32 digits.
- Memory dial: 20 locations/ up to 16 digits.
- Mute.
- Auto on/off.
- Flash.
- Standby time (ringer on/ ringer off): 7 days/21 days.
- Continuous talk time: 4 hours.
- Low battery indication: warning tone and LED.
- Two-face charging.
- Belt clip capability.
- Headset compatibility.
- Hearing aid compatibility.
- Digital security codes: 16 million sets.
- Voice scrambling.
- Tone/pulse selectable.
- Temporary touch tone during pulse mode: initiated by [*] key.
- Ear piece/ ringer volume adjustable for handset: 4/2 steps
- Ringer volume adjustable for base: 2 steps.
- Paging handset from base.
- Wall mountable.

2.2 DTAD

- Message counter: up to 62 messages.
- Recording time: 14 minutes.
- Ringer toll saver: 4/7/T.S.
- Power failure protection: FLASH memory.
- 2 announcements: recording and answer only.
- Vocal day/time stamp.
- 1 message center and 2 mail boxes.
- Remote control from handset and external line (PIN protected).
- Call screening

Operation Manual

Telephone Function

Making a Call

NOTE: Make sure the base antenna is fully upright.
1. Lift the handset and press TALK , the TALK LED on the handset will light and simultaneously the IN USE LED on the base will flash.
2. When you hear a dial tone, dial the desired phone number.
3. If you misdial, simply press the TALK button to disconnect the line. After waiting for a couple of seconds, press the TALK button again to get a new dial tone.
4. To end a call, place the handset into the base or press TALK .

Receiving a Call

1. If the handset is out of cradle, press the TALK button on the handset to answer a call. The TALK LED on the handset and the IN USE LED on the base will light accordingly.
2. If the handset is on the cradle, simply lift the handset. (DO NOT press the TALK button.)

Memory Feature

You can store up to 20 numbers in memory, then dial a stored number by pressing a one-digit memory location number.

A. To Program a Number into Memory

1. Pick up the handset.
2. At standby mode, press and release MEMORY. The IN USE LED will flash.
3. Enter telephone number (up to 16 digits). If you accidentally press a 17th digit, or if you pause more than 30 seconds while programming, an error tone will sound and you will have to reprogram the number.
4. Press and release MEMORY button again, then a two-digit number (1-20) for the memory location where the number is to be stored.
You will hear a beep that confirms the number was stored properly and the TALK LED will stop blinking.

Repeat the above steps to program another telephone number, assigning each phone number to a different number location.

B. To Dial a Number Stored in Memory

1. Pick up the handset.
2. Press the TALK button. The TALK LED on the handset will be lit.
3. Press MEMORY .
4. Press assigned number button from 1 to 20. The number you have stored will be dialed automatically.

C. To Change a Stored Phone Number

1. Pick up the handset.
2. Press MEMORY button at standby mode, the TALK LED will flash.
3. Dial a desired new telephone number.
4. Press MEMORY button again, then a number button for the memory location (from 1 to 20) where the new phone number is to be stored.

You will hear a beep confirming the new phone number has been stored.

Pause

In some circumstance, you need to store a pause when you registering a telephone number in memory. To do so, press REDIAL to enter a 2-second pause.

NOTE: Each pause you store is counted as a digit. You can store up to 16 digits in each memory location.

Last Number Redial

Whenever you make a telephone call, this unit will automatically store the number (up to 32 digits) you just dialed in its memory.

1. Press TALK, and wait for the TALK light to go on. .
2. When you hear a dial tone, press REDIAL instead of entering the telephone number.

The previous number stored in memory will be replaced by a new one whenever you dial a new number.

Flash

Press FLASH to activate custom-calling service such as Call Waiting or 3-way Calling. You may have to press other buttons before or after FLASH as explained in custom-calling instructions provided by your local telephone service company.

Temporary Tone

In pulse-dialing mode, you can access bank facilities, telephone answering machines, etc., by simply pressing * key to get into the tone mode temporary. This phone will automatically return to dial pulse (rotary) dialing when you end the call.

Handset Ringer Setting

At standby mode, you can choose one of the four built-in ringer patterns by pressing the FLASH button followed by a number in the range of 1-4. A number out of this range will be ignored. After ringer selecting, press FLASH again to confirm setting. The selected ring will be programmed into the unit.

Volume Controls

Follow the instructions below to set the handset volume and/or ringer control:

A. Handset Volume Control

Press the VOL. UP / VOL. DOWN buttons on the handset to adjust the handset volume toward a more comfortable listening level. This will not effect what the other party is hearing.

B. Ringer On/Off Control

To turn off the ringers on the base and handset, set RINGER on the base to OFF.

Page & Handset Locator

The page feature allows you to signal someone at the handset from the base.
♦ Make sure the handset IN USE LED is not lit on the base.
♦ Press the PAGE button on the base. A 2-part paging tone will sound at the handset.

NOTE: The handset ringer switch must be set to ON to operate the page feature.

To cancel the page function:
1. Press the PAGE button on the base.
2. Press the TALK button on the handset.

LED Indications

A. Handset:

1. TALK LED
   ON: Talk mode
   OFF: Standby mode
   FLASHING: Memory/incoming call/out of range/handset ringer setting

2. BATT LOW LED
   FLASHING: Battery is low
   ON: Mute

3. REMOTE LED
   ON: Remote mode engaged
   FLASHING: New message indication

B. Base Unit:

1. CHARGE LED:
   ON: H/S in charge mode

2. IN USE LED:
   OFF: standby mode
   SLOW FLASHING: Phone on / TAD answer
   FALST FLASHING: Incoming call

3. MAILBOX1 LED:
   OFF: No messages in mailbox1 / answering system is off.
   ON: There are messages stored in mailbox1.

FLASHING: New messages stored in mailbox1.

4. MAILBOX2 LED:
   OFF: No messages in mailbox2 / answering system is off.
   ON: There are messages stored in mailbox2.
   FLASHING: New messages stored in mailbox2.

5. Message Center LED (7-segment*2):
   ON: Answer On mode.
   OFF: Answer Off mode.
   FLASHING: New messages stored in message center.

Answering System Operation

There are approximately 14 minutes of total recording time, including OGM and silence compression, shared by your announcement and incoming messages. The shorter your announcement, the more time for incoming message. Remember to record your OGM no longer than 60 seconds.

To Turn the System On/Off/or "Answer Only" Mode?

Before using the TAD system, you have to turn the system on/off, or set the system to Answer Only mode.

System On	When set the system on, this unit is ready to answer and record calls.
System Off	When set the system off, this unit cannot activate the TAD functions.
Answer Only Mode	When set for Answer Only mode, your system will answer incoming calls, play your announcement and then hang up without recording messages

Operation at the Base
1. Press the ANSWER key to toggle between On / Off / Answer Only Mode.

NOTE: The display shows "AO" in Answer Only mode.

Operation Using the Cordless Handset
1. Press REMOTE button.
2. Press # (Change) and * (Answer) to toggle between On, Off and Answer Only Mode.

Remote Control (Operation Using an External Phone):
1. Dial your telephone number using an external phone, your answering system will pick up the phone.
2. Enter your PIN number (default is 50) within 20 seconds, the TAD system will be turned on remotely.
3. Press # (Change) and * (Answer) to toggle between On, Off and Answer Only Mode.

NOTE: When you turn on the TAD system, the Message LED will flash if there is a new ICM waiting for being retrieved. If not, the LED will be lighted on. When you turn the TAD system off, the message center LED and mailbox1/mailbox2 LED will turn off simultaneously.

Announcements to Callers

You can record 2 different announcements on this unit: Recording and Answer only. When you set the system ON, it will answer and record calls. When you set the TAD system to the "Answer Only" mode, it will answer calls and play the announcement, but not record messages.

A. Recording Outgoing Messages (OGM)
You can record your announcements either using the cordless handset or an external telephone.

NOTE: Your OGM can be recorded in either ON or ANSWER ONLY modes. To record an "ANSWER ONLY" OGM, turn the system to ANSWER ONLY mode while recording. To record a general OGM, turn the system to ON while recording.

Use the Cordless Handset to Record your OGM
1. Press REMOTE button on the handset.
2. Press # (CHANGE), then 0 (ANNC.). The system beeps once when it begins to record.
3. Speak towards the microphone in a normal tone of voice.
4. Press 5 (STOP) button when you finish recording. Your announcement will play back automatically.
5. Press REMOTE button again to return to standby mode.

Use an External Telephone to Record your OGM
1. Dial the telephone number.
2. When the TAD system picks up the phone, enter your PIN number (default is 50).
3. Proceed with above steps from 2 to 5.

NOTE: This unit has two personalized mailboxes and one message center. Callers can leave messages in either mailbox or message center. Your announcement has to notify the callers to press # , followed by 1 , 2 or 3 after your OGM playback and the beep tone. Remember to notify the callers to keep recording message no longer than 60 seconds.

B. To Replay the Announcement at Any Time:

The system must be set to ON or Answer Only mode.

Use the Base to replay the announcement
1. Press and release the ANNC button.
2. The outgoing announcement will play back. When your system plays an announcement, the Message Window shows "PL"(Play).
3. To stop playing OGM, press and release STOP button.

Operation from the Cordless Handset
1. Press REMOTE.
2. Press and release the ANNC (0) button.
3. The outgoing announcement will play back. While your system plays an announcement, the Message Window shows "PL"(Play).
4. To stop playing OGM, press and release STOP (5) button.

Remote Control
1. Dial the telephone number.
2. When the TAD system picks up the phone, enter your PIN number (default is 50).
3. Proceed with the above steps from 2 to 4.

Volume Control (8 steps)

Use the VOLUME UP/DOWN on the base to set the answering system volume to your required sound level.

Voice Time/Day Stamp

This unit records the time and day at the beginning of each message. You may set the time/day from the base, handset, or an external telephone. The handset must be fully charged before using

this mode.
NOTE: If you did not set the time in advance, the time/day stamp will not be announced.

To Set Time/Day from the Base

1. Press CLOCK button for more than 2 seconds; the system will announce "Monday" or the currently day setting.
2. Press and release SKIP to move the setting to a day later in the week, or press REPEAT to move the setting to a day earlier on the week. Each time you press one of these buttons, the system will announce the day.
3. When you hear the correct day, press and release CLOCK to confirm the day setting and go to set the hour. The system will announce "12:00 AM" or the currently hour setting.
4. Press and release SKIP or REPEAT to move the hour setting down or up (eg.1:00, 2:00, etc.).
5. Each time you press one of these buttons, the system will announce the hour. When you hear the correct hour, press and release CLOCK to confirm the hour setting and then go to set minutes. The system will announce "0" or currently set minute.
6. Press and release SKIP to or REPEAT to move the minutes setting down or up (10, 20,etc.).
7. Each time you press one of these buttons, the system will announce the minute. When you hear correct minute, press CLOCK to confirm the minute setting. The system will then announce the new day/time setting

NOTE: If you did not complete all the steps above, or if you pause over 20 seconds between any two steps, the system will revert to the previous setting.

To Operate from the Cordless Handset
1. Press REMOTE.
2. Proceed with the above steps from 1 to 6.
3. Press CLOCK (8) to confirm the minute setting. The system will then announce the new day/time and then beep twice to confirm settings.

Remote Control

1. Dial the telephone number
2. When the TAD pick up the phone, enter your PIN number (default is 50)
3. Press # then 8; the system will announce "Monday" or the currently set day.
4. Press 6 to proceed forwards or 4 to go backward to select a correct day.
5. Press 8 to confirm day setting. The system will announce "12:00 AM" or currently set hour for the hour setting.
6. Press 6 to proceed forward or 4 to go backward to select a correct hour.
7. Press 8 to confirm the hour setting. The system will announce "0" or currently set minute for the minute setting.
8. Press 6 to proceed forward or 4 to go backward to select a correct minute.
9. Press 8 to confirm time setting. The system will announce the time set by users.

Toll Saver (TS) / Ringer Select

Use the switch located on the bottom of the base to select the number of times (4,7 or TS) the phone rings before the system answers.

1. Set to 4:	The system will answer all calls on the fourth ring.
2. Set to 7	The system will answer all calls on the seventh ring.
3. Set to TS (Toll Saver):	The system will answer calls on the fourth ring only if they have new messages. If no new messages have been recorded, the system will answer on the seventh ring.

Toll Saver

Set the ring select switch to TS when you will be calling from another location to check for messages. If you have new messages waiting that you have not listened to yet, the system will answer after four rings. If there are no new messages, the phone will ring at lease seven times before the system answers. You can then hang up after the fifth rings to avoid paying long distance charge.

Voice Activated Recording (VOX)

To stop unnecessary pause due to hang-up and to save message capacity, your unit will automatically stop recording and hang up after 7 seconds of silence.

Digital Message Indicator

Your system provides two methods of informing you about the status of the system's operation: Message Window codes and Indicator lights.

A. Message Window

The message window displays one and two character codes (up to 62) to give you a running count of message received.

B. Indicator Lights
If there are new messages, the message indicator LED will flash.

C. Memory Full Detection
This unit will signal the user when the message capacity is full by flashing "FL" on the display. Meanwhile, the system will announce " MEMORY IS FULL". No new message can be recorded until you delete previous saved messages.

Incoming Message Recording

This unit has two mailboxes for personalized storage in addition to standard storage. The caller's messages can be recorded in one of the three message areas (Message Center, Mailbox1, and Mailbox2). Callers will have an option to leave a message in one of the desired message areas.

To Leave messages in Mailbox 1, Mailbox 2, or Message Center, callers with Tone dialing should be instructed to wait for beep, then press #1, #2, or #3 respectively.

NOTE: If the callers do not press any key to indicate which specific mailbox their messages are going to be stored, the caller's messages will be recorded in the Message Center automatically.

Memo Messages Recording

You can record a memo message for yourself or anyone else who has access to the system. Memos will be played back along with the other messages on the system.

Use the provided handset to record your memo messages
1. Press REMOTE button, the REMOTE LED will light.
2. Press CHANGE(#) on the handset then press 1 (M-Box1), 2 (M-Box2), or 3 (M-CENTER).
3. Speak into the phone in a normal tone of voice.
4. When you finish recording the memo, press STOP(5). The system will record the day and time when you left the memo, and then beep twice to confirm finishing.
5. Press REMOTE button again, the REMOTE LED will turn off.

Use an external telephone to record your memo message

1. Dial your telephone number.

2. When the TAD system picks up the phone, enter your PIN number (default is 50).

3. Proceed with above steps from 2 to 5.

Listening to Your Messages

If there are new messages stored in memory waiting for being retrieved, the message LED will blink; While the messages stored has been played back but not yet deleted, the LED will lit on but stop blinking.

A. New Messages Playback

Message Playback from the Base
To hear the messages stored in a specific mailbox, press and release the appropriate mailbox button of which LED is lit. You will hear "YOU HAVE xx MESSAGES", then the message stored in the individual mailbox will playback. If you have no messages, the unit will announce "YOU HAVE NO MESSAGES." After the last message plays, you will hear "END OF MESSAGES" and this system will keep saving the messages unless you delete them.

NOTE: If you have set the Voice Time/Day Stamp, the time and day will be announced at the beginning of each message after giving the message number. If you did not set the time, you will only hear the message number.

Message Playback from the Cordless Handset
1. Press REMOTE.
2. Press 1 , 2 ,or 3 to playback the messages stored in the specific mailbox.

Message Playback Using an External Telephone
1. Dial your telephone number.
2. Enter your PIN number after the system picks up the phone. (Default is 50)
3. Press 1 , 2, or 3 to playback the messages stored in the specific mailbox.

B. Repeating a Message

Operation at the Base
1. Press and release $\boxed{\text{REPEAT}}$. The system will stop playing, return to the beginning of the current message and then resume playing.
2. Each time you press and release $\boxed{\text{REPEAT}}$, the system will go one message backwards.

Operation from the Cordless Handset
1. Press $\boxed{4}$ ($\boxed{\text{REPEAT}}$).
2. Each time you press $\boxed{4}$ ($\boxed{\text{REPEAT}}$), the system will go one message backwards.

Remote Control
1. Press $\boxed{4}$.
2. Each time you press $\boxed{4}$, the system will go one message backward.

C. To Skip a Message

Operation from the Base
1. Press and release $\boxed{\text{SKIP}}$ button, the system will stop playing and move forwards to the beginning of the next message and then resume playing.
2. Each time you press and release $\boxed{\text{SKIP}}$, the system will advance one more message.

Operation from the Cordless Handset
1. Press $\boxed{6}$ ($\boxed{\text{SKIP}}$).
2. Each time you press $\boxed{6}$ ($\boxed{\text{SKIP}}$), the system will advance one more message.

Remote Control
1. Press $\boxed{6}$.
2. Each time you press $\boxed{6}$, the system will advance one more message.

D. Stopping Message Playback

Press and release $\boxed{\text{STOP}}$ (or the numeric button $\boxed{5}$ located on the handset or an external phone) while any message playback, the system will stop playing.

E. Deleting Messages

To delete a selected message, press and release $\boxed{\text{DELETE}}$ while the message is playing. To delete all played messages in standard storage (including memo), press and release $\boxed{\text{DELETE}}$ and then the $\boxed{\text{Message Center}}$ button again. To delete all played messages in one of the mailboxes, press $\boxed{\text{DELETE}}$ and then $\boxed{\text{MAILBOX1}}$ or $\boxed{\text{MAILBOX2}}$.

NOTE: When you activate the system to delete all the messages stored in memory, only those have been played back can be deleted.

F. Storing Messages

The system automatically saves old messages after playback, unless you command it to clear messages.

Call Interrupt

If the unit answers before you do, you can turn it off by picking up the cordless handset, if the handset is in the base. If the handset is away from the base, press TALK and take the call as soon as the TALK LED goes on. You can also take the call by picking up the extension phone. If the unit does not stop on the extension, press the hook switch on the extension phoneby about 2 seconds or press Flash button. You may also activate call interrupt by pressing the STOP button on the base.

Call Screening

Operation from the Base
To listen to an incoming call without picking up the phone, let the answering machine pick up the call when it rings. If you don't want to talk to the caller, just let the answering machine take the message, and adjust the volume control on the base to listen. Callers will be unaware that you are screening their calls, and they will not be able to hear you unless you pick up the handset from the cradle or an extension phone. If you want to talk to the caller, pick up the phone and talk.

Operation from the Handset
1. Be sure that the handset is not in the base cradle.
2. Press REMOTE when the phone rings stop (or when the answering system picks up the call).

NOTE: If you press REMOTE during the phone rings (or before the answering machine picks up the call), call-screening function cannot be activated. The TALK LED on the handset will blink when the phone is ringing. Once the TAD system picks up the call, TALK LED will stop blinking which indicates that you may press REMOTE button to function call screening.

Setting the PIN Number for Remote Access

To remotely operate your answering system from an outside line, you must enter a remote code to access messages, memos and announcements. The default value of access code is 50. You can use the preset code or set your own as follows:

Operation from the Cordless Handset
1. Press the REMOTE button.
2. Press # and then 7.
3. The system will announce "enter new code."
4. Enter a 2-digit number (from 00 to 99) as the new PIN code.
5. The system will announce the new code and then beep twice to confirm setting.

Remote Operation
1. Dial the telephone number.
2. Enter the pre-set PIN code when the system picks up the phone.
3. Press 7, the system will announce " Enter new code".
4. Enter a 2-digit number from 00 to 99 as the new PIN code.
5. The system will announce the new code and then beep twice to confirm setting.

Cordless Handset Operation Summary

NOTE: Your cordless handset MUST be fully charged to access remote functions.

After pressing and releasing the REMOTE key on the handset, proceed with one of the following keys to command the system:

Keypad Digit	Command
1	Listening to Mailbox 1
2	Listening to Mailbox 2
3	Listening to Message Center (To record memos in mailbox 1,2, or message center, you should press # then 1, 2, or 3.)
4	Repeat
5	Stop
6	Skip
7	Listening to your PIN Code (To change PIN code, press #, then 7.)
8	Clock settings: ♦ Press # 8, then press 4 or 6 to select The correct day . ♦ Press 8 to confirm day setting. ♦ Press 4 or 6 to select the correct hour. ♦ Press 8 to confirm hour setting. ♦ Press 4 or 6 to select the correct minute. ♦ Press 8 to confirm minute setting. ♦ The system will announce the new Day/time setting.
9	Delete
*	Answer. (To turn the system on/off/or to Answer Only mode, press # then *.)
0	To listen to the Annc. (To record a new OGM, press # then 0 .)

NOTE: If you pause more than 20 seconds between standard operations, you will sound a beep from the handset and return to the standby mode.

Remote Control Summary

1. Dial your telephone number using a remote telephone. When connected, your announcement will playback.
2. If you choose to bypass OGM, enter your 2-digit PIN code during the announcement. If the PIN is correct, you will a beep.

NOTE: If the code is wrong, you will not hear a beep. Retry your PIN. After you successfully enter your PIN, you can enter commands as mentioned below using the numeric keypad on your external phone.

At any time, you can press [5] to stop a function. After each command, you may either hang up or select another command.

Keypad Digit	Command
1	Mailbox 1 access
2	Mailbox 2 access
3	Message/memo playback. (To record memos in mailbox 1, 2, or message center, you should press [#] then [1], [2], or [3].)
4	Repeat
5	To stop.
6	To skip.
7	To listen to the PIN code. (To change PIN code, press [#] then [7].)
8	Time check.
9	To delete the current message.
*	Answer (To turn the system on/off/ or to Answer Only mode, press [#] then [*].)
0	To check your OGM.

INFORMATION TO THE USER

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including
interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the
limits for a Class B digital device. Pursant to Part 15 of the
FCC Rules. These limits are designed to provide reasonable
protection against harmful interference in a residential
installation. This equipment generates, uses and can radiate
radio frequency energy and, if not installed and used in
accordance with the instructions, may cause harmful interference
to radio communications. However, there is no guarantee that
interference will not occur in a particular installation. If this
equipment does cause harmful interference to radio or television
reception. Which can be determined by turning the equipment off
and on the user is encouraged to try to correct the interference
by one or more of the following measures:

   --Reorient or relocate the receiving antenna.

   --Increase the separation between the equipment and
     receiver.

   --Connect the equipment into an outlet on a circuit
     different from that to which the receiver is connected.

   _Consult the dealer or an experienced radio/TV technician
     for help.

This booklet is available from the US government Printing Office
*washington, DC 20402, Stock NO. 004-000-00345-4.

CAUTION: Any changes of modifications not expressly
approved by the grantee of this device could void the
users authority to operate the equipment.

Cordless telephones operate at frequencies that may
cause interference to nearby TVs and VCRs;to minimize
or prevent such interference,the base of the cordless
telephone should not be placed near of a TV or VCR; and,
if interference is experienced,moving the cordless telephone
further away from the TV or VCR will often reduce or eliminate
the interference.