

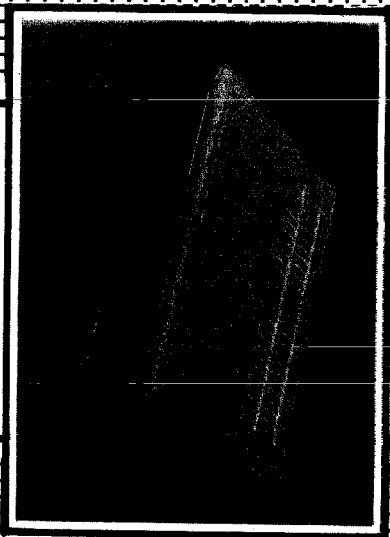
Film-Tech

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AT-R333 Owner's Manual

- Panel Controls and Indicators

- Preparation

- 1 Features

- 2 Installation

- 3 Setting Up Your Programming

- 4 How to Record and Play Back Your Announcement!

- 5 Daily Operation

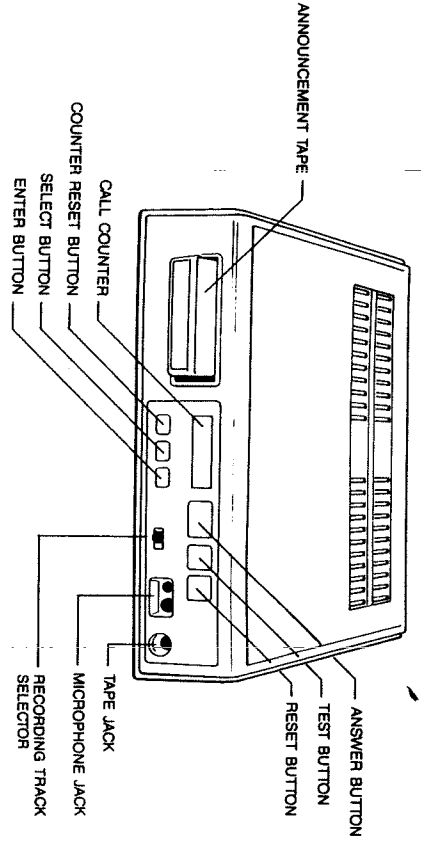
- 6 Remote Control Operation

- 7 Counter

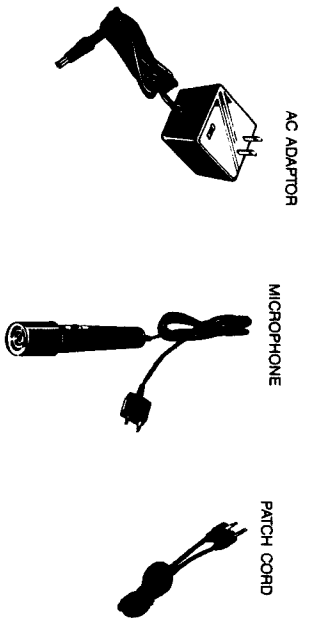
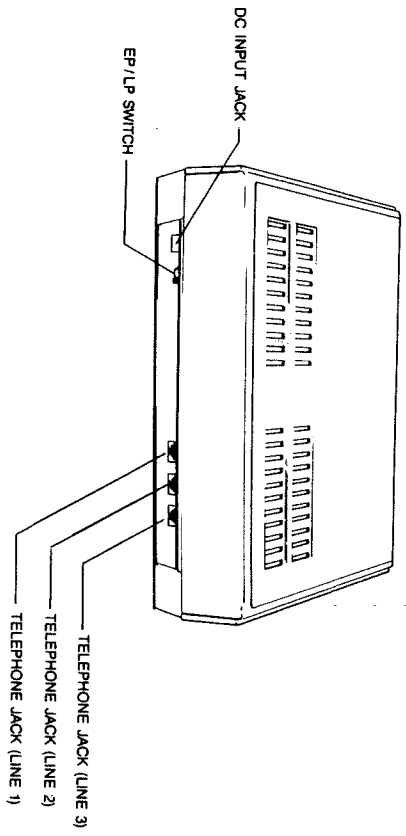
- 8 Problem Solving

PANEL CONTROLS AND INDICATORS

FRONT VIEW

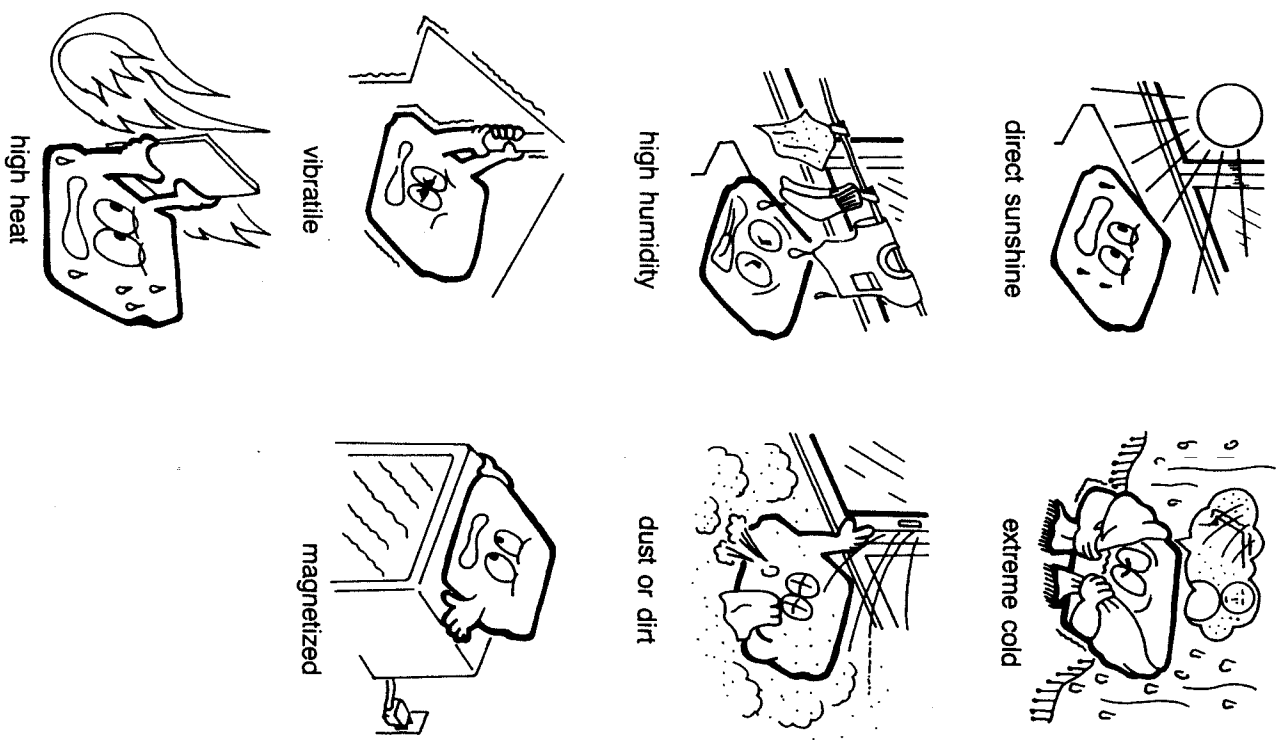


BACK VIEW



Selecting a Location for the AT-R33

Select a location for the AT-R33 that is flat, solid and convenient to a telephone jack and an AC outlet. Place the AT-R33 in a location that does not have the following conditions:



INSTALLATION INSTRUCTIONS

The AT-R33 complies with PART 68, FCC rules for direct connection to telephone lines. Before your AT-R33 is connected, it is necessary that you notify the telephone company of the following:

1. Telephone lines to which you are connecting the AT-R33.
2. Request installation of the proper jacks.
3. Give your telephone company the AT-R33 FCC Registration Number and Flinger Equivalence Number (shown on the bottom of the AT-R33).

Federal regulation prohibits the attachment of the AT-R33 to party lines or coin operated telephone lines.

WARNING

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

OPERATION

Use your AT-R33 in accordance with the operating instructions. Should you experience problems with any of the phone lines to which the system is attached, you should unplug the AT-R33 and contact your TAKACOM dealer for service.

SERVICING

Under normal conditions, this AT-R33 will give good service without requiring any special maintenance. Should you experience any malfunction of the system, disconnect it from the phone line until repairs have been made. Please contact your TAKACOM dealer or return it for repair to TAKACOM CORP. OF AMERICA.

1. FEATURES

The AT-R33 is a heavy-duty three-line Telephone Announcer which allows you to change the Announcement via the telephone line. In addition, the AT-R33 has the following features:

\$ 1.1 TWO WAYS OF ANNOUNCEMENT DELIVERY

- Single Message Mode (EP Mode)

In this mode, the AT-R33 delivers the same message to all three lines. The maximum message length is up to 18 minutes, depending on tape length used.

Note: This recording format is compatible with the AT-E30's format.

- Dual Message Mode (LP Mode)

In this mode, the AT-R33 delivers two different messages to your telephone lines. Line 1 is assigned to Message 1. Lines 2 & 3 are assigned to Message 2. Each message can be up to 9 minutes in length, depending on tape length used.

Note: This recording format is not compatible with the AT-E30's format.

\$ 1.2 PROGRAMMABLE FEATURES

The AT-R33 offers "Step-by-Step" programming features. This allows you to set up your AT-R33 as a customized Announcer. Programmable features are:

- "Barge-In" or "Start to Finish" announcement delivery.
- Number of rings before the AT-R33 answers (1-7 rings).
- 3-digit programmable Security Code for start-up of remote control operation.
- "Single" or "Repeat" announcement delivery.
- Maximum time of line holding: (30 sec., 1 min., 2 min., 4 min., 8 min., 16 min., 32 min., 64 min.)
- "End of Message" detection (ON or OFF).
- CPC (Calling Party Control) signal detection (ON or OFF).
- Internal Music Chime delivery from message end (ON or OFF).

§ 1.3 REMOTE CONTROL OPERATION

The AT-R33 offers remote control features by using your Tone (DTMF) signal.

- Record and update announcement message remotely.
- Answer or reset the AT-R33's operation for the three telephone lines.
- 3-digit programmable security code for start-up of remote control operations.

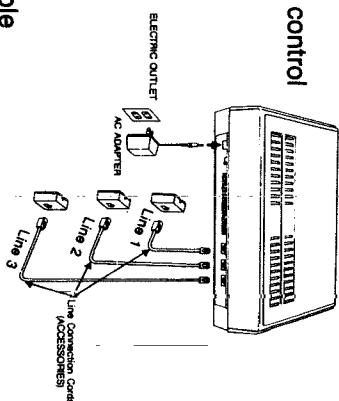
§ 1.4 OTHER FEATURES

- 4-digit counter display shows you:
 1. Number of calls for each line.
 2. Total calls.
- "Fast Forwards" the tape when all callers hang up.

2. INSTALLATION

Connect the Telephone Jacks to RJ11C Jacks by using Modular Cords for each line.

Note: If you need to use the remote control operation, please assign "Line 3" as "Remote Line."



• Telephone Line Assignment Table

Each Telephone Line of the AT-R33 may operate in different modes. The correspondence between the Telephone Line and each message is as follows.

	Line 1	Line 2	Line 3
Single Message Mode EP Mode	Same Message		R.M.C.
Dual Message Mode LP Mode	Message 1	Message 2	R.M.C.

Example: Dual Message Mode (LP Mode) Only—

ABC Company has 3 Telephone Lines.
2 Lines are for the Sales Department.
1 Line is for the Service Department.

In this case you should connect the line of the Service Department to Line 1 and the other 2 Sales Department lines should connect to Lines 2 & 3.

The AT-R33 will deliver MESSAGE 1 (Thank you for calling ABC Company Service Department. Our office is closed at 6 o'clock . . .) for the Service Department and MESSAGE 2 (Thank you for calling ABC Company Sales Department. Our office is closed at 5 o'clock . . .) for the Sales Department.

- When you need to change MESSAGE 1 or 2 from outside or home, you can update the message by calling "Line 3" (Second line of the Sales Department).

3. SETTING UP YOUR PROGRAMMING

§ 3.1 TABLE OF FACTORY PRESET PROGRAMMING

The AT-R33 can be programmed to perform several functions. Please choose your own features by following the table.

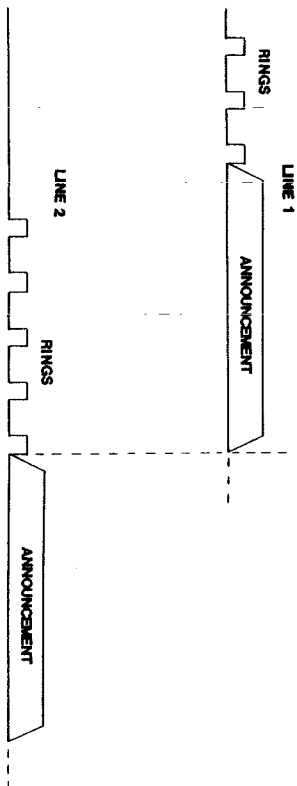
FUNCTION	PROGRAM		DESCRIPTION	SELECTABLE VALUE
	CODE	PRESET		
SECURITY CODE (Remote Operation Only)	01		1st digit of the Security Code	0-9
	02		2nd digit of the Security Code	0-9
	03		3rd digit of the Security Code	0-9
BARGE-IN	1	1	Whether or not a caller is allowed to hear a message from the middle.	0: Not allowed (Start to Finish) 1: Allowed (Barge-In)
RING DELAY	2	1	Number of rings caller hears before the AT-R33 answers.	1-7 rings
THE MESSAGE END DETECTION	3	1	The silent time it takes to detect the End of Message.	0: Does not detect 1: 3.0 sec. 2: 5.5 sec. 3: 8.0 sec.
SINGLE OR REPEAT	4	1	How many times a caller is allowed to hear the announcement.	0: Until a caller hangs up (Repeat) 1: One complete cycle (Single)
C.P.C.*	5	1	Whether or not the AT-R33 detects a C.P.C. signal.*	0: Does not detect 1: Detects
HOLDING TIME	6	6	Maximum holding time.	0: 30 sec. 1: 1 min. 2: 2 min. 3: 4 min. 4: 8 min. 5: 16 min. 6: 32 min. 7: 64 min.
DETECTION OF RINGING SIGNAL	7	1	The time it takes to detect the ringing signal.	0: More than 600 ms 1: More than 120 ms
INTERNAL MUSIC CHIME	8	1	Whether or not the AT-R33 delivers the Internal Music Chime while tape is fast forwarding.	0: Does not Deliver 1: Delivers

*Requires C.P.C. signal on lines.

§ 3.2 FUNCTION OF EACH PROGRAM CODE

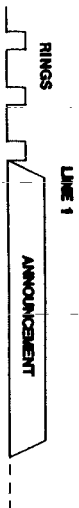
- Code 1
Value: 0 (Start To Finish)

The AT-R33 answers the 2nd caller as soon as the AT-R33 reaches the first position of the announcement.



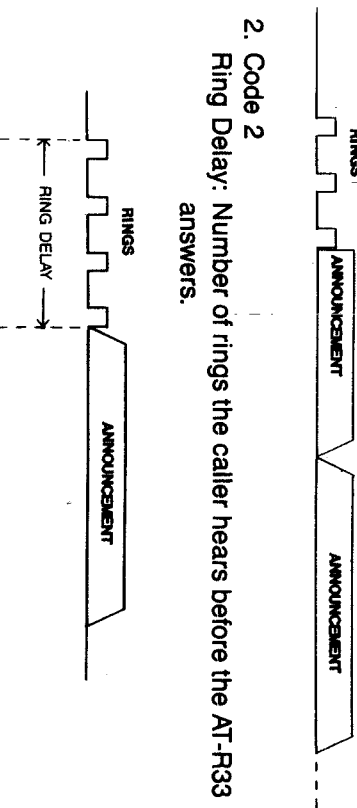
- Value: 1 (Barge-In)

The AT-R33 answers the 2nd caller from the middle of the announcement and then delivers at least one more complete cycle of the announcement.



- Code 2

Ring Delay: Number of rings the caller hears before the AT-R33 answers.

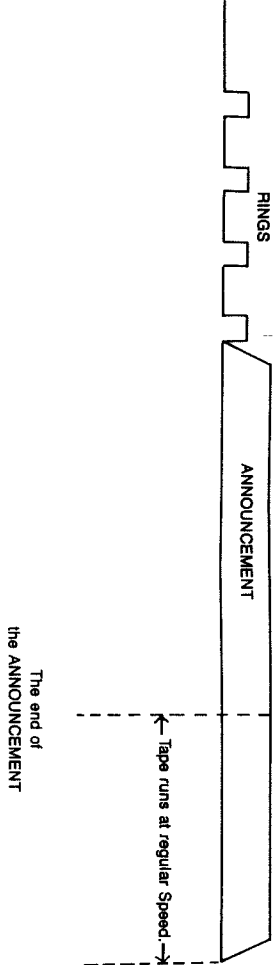


Example: Ring Delay is 4

3. Code 3

Value: 0 (Does not detect Message End)

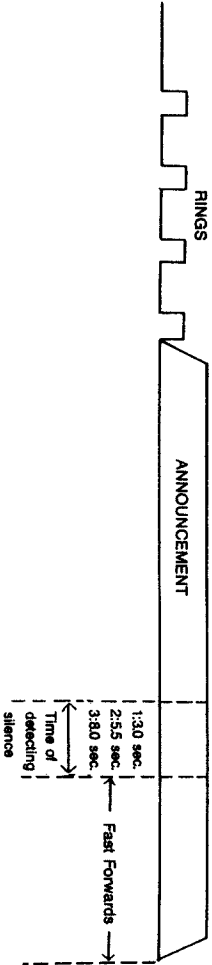
The AT-R33 plays the full capacity of the Tape Cartridge at normal speed.



Value: 1-3 (Detects Message End)

When the silence in the message becomes longer than the programmed time, the AT-R33 detects this point as the end of the message and fast forwards the tape.

- *Value 1: 3.0 sec.
- *Value 2: 5.5 sec.
- *Value 3: 8.0 sec.

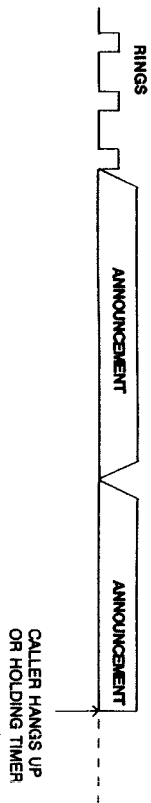


The end of the ANNOUNCEMENT

4. Code 4

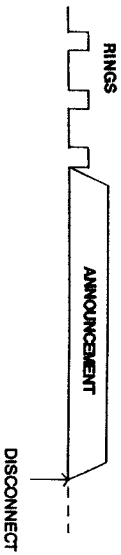
Value: 0 (Repeat Mode)

The AT-R33 continues to deliver the announcement as long as the caller stays on the line.



Value: 1 (Single Mode)

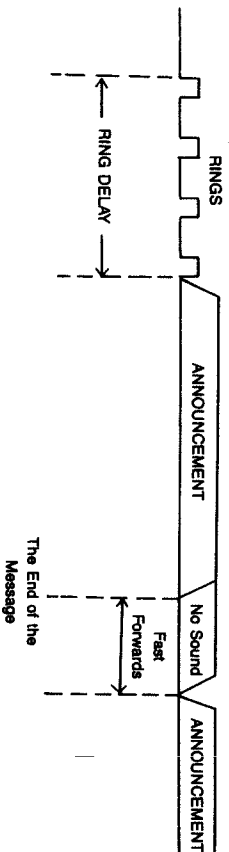
The AT-R33 delivers one complete cycle of the announcement and then disconnects the line.



5. Code 8

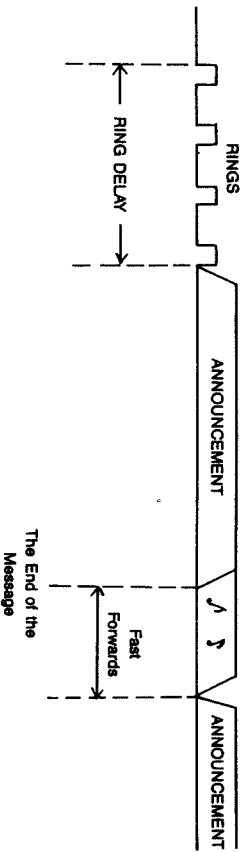
Value: 0 (Does not play music)

The AT-R33 does not deliver music or sound while tape is fast forwarding.



Value: 1 (Play music)

The AT-R33 delivers the internal music chime while tape is fast forwarding.



§ 3.3 HOW TO CHANGE PROGRAMMING

1. Press the "Reset" button.
2. Press and hold the "Enter" button.
3. Then press the "Select" button at the same time.
4. Release the "Select" and "Enter" buttons.



5. Press the "Enter" button at intervals until the Display shows the Program Code which you need to change.
6. Press the "Select" button at intervals for setting the Program Value.
7. Press the "Enter" button when the desired Program Value appears on the Display.
8. If you need to change another Program Value, return to Step 1.
9. When you have changed all the Program Values you need to change, press the "Reset" button.

Example: To change "Ring Delay" from "1" to "3".

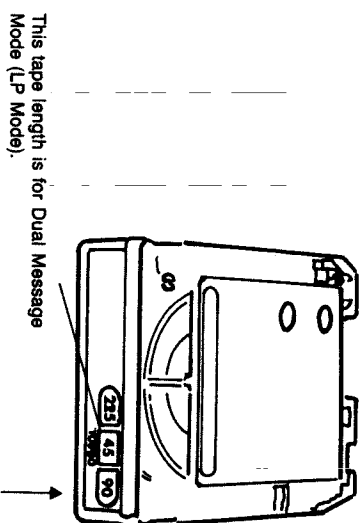
	Operation	Display
Set up Program Code	1 Press the "Reset" button.	
	2 Press and hold "Enter" button and press the "Select" button.	0 1 -
Select Program Code	3 Release "Select" and "Enter" buttons and press the "Enter" button twice.	2 - - 1
	4 Press the "Select" button twice.	2 - - 3
Set up Program Value	5 Press the "Enter" button.	3 - - 0
	6 If finished, press the "Reset" button.	

Note: If you plugged the Microphone into the MIC JACK, unplugging the Microphone for setting up new programming. If AC power is accidentally lost, the memory features may be gone. If so, these features must be reprogrammed.

4. HOW TO RECORD AND PLAY BACK YOUR ANNOUNCEMENT

§ 4.1 PREPARATION

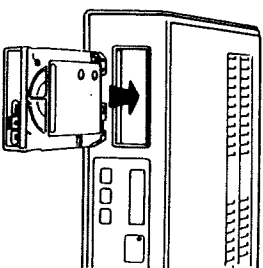
1. Prepare the text for your announcement.
2. Choose the proper length Tape Cartridge.



Note: Available Tapes are as follows:

Part No.	Single Message (EP)	Dual Message (LP)
T0010	10 sec.	5 sec.
T0020	20 sec.	10 sec.
T0030	30 sec.	15 sec.
T0060	1 min.	30 sec.
T0090	1 min., 30 sec.	45 sec.
T0120	2 min.	1 min.
T0180	3 min.	1 min., 30 sec.
T0240	4 min.	2 min.
T0360	6 min.	3 min.
T0720	12 min.	6 min.
T1080	18 min.	9 min.

3. Insert the Tape Cartridge into the AT-R33.



§ 4.2 MODE SELECTION

4.2.1 Single Message Mode (LP Mode)

1. Switch the "EP/LP Switch" to the "Single" position.

4.2.2 Dual Message Mode (EP Mode)

1. Switch the "EP/LP Switch" to the "Dual" position.
2. Switch the "Recording Track Selector" to "1" or "2."

Note: If you need to record Message 1 for Line 1, switch the "Recording Track Selector" to "1."

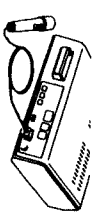
Note: If you need to record Message 2 for Lines 2 & 3, switch the "Recording Track Selector" to "2."

Note: If you need to record both Messages, first switch the "Recording Track Selector" to "1" for Message 1. After you finish recording Message 1, switch the "Recording Track Selector" to "2" for Message 2 and record again for the second message.

§ 4.3 RECORDING FROM THE MICROPHONE

1. Press the "Reset" button.
2. Plug the Microphone into the MIC JACK, leaving the MIC SWITCH OFF.

3. Wait until display shows



Note: If the Tape is running, it will automatically fast forward. While the Tape fast forwards, the Display shows



4. Turn the MIC SWITCH ON to start recording.



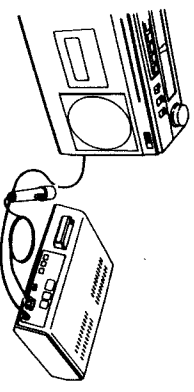
Note: Display counts up number of seconds of recorded time. If you wish to try again before you finish recording a complete announcement:

- A. Press the "Reset" button.
- B. Return to STEP 3.

5. Turn the MIC SWITCH OFF after completing the recording.
6. Wait until the Tape stops.
7. If you need to re-record an announcement, press the "Reset" button and return to STEP 3.
8. Unplug the Microphone from the MIC JACK.

§ 4.4 RECORDING AN ANNOUNCEMENT WITH BACKGROUND MUSIC

4.4.1 Preparation




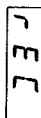



1. Press the "Reset" button.
2. Plug the Microphone into the MIC JACK, leaving the MIC SWITCH OFF.
3. Connect the Patch Cord between the Earphone Jack of your Cassette Player and the Tape Jack of the AT-R33.

4.4.2 Recording

1. Wait until the Display shows

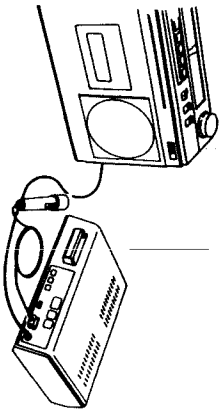


Note: As the tape fast forwards, the Display shows , , or , if the Display does not show  or , press the "Reset" button.

2. Press the "Play Back" button on your Cassette Player.
- Note:** The AT-R33 will play music from your Cassette Player.
3. Adjust the Audio Level using the Volume Control of your Cassette Player.
4. Rewind the Tape of your Cassette Player until you reach the position at which you wish to record the music with the message, then press the "Stop" button on your Cassette Player.
5. Press the "Play Back" button on your Cassette Player.
6. Turn the "MIC SWITCH" ON to start recording.
7. Turn the "MIC SWITCH" OFF after completing the recording.
8. Wait until the Tape stops.
9. If you need to re-record an announcement, press the "Reset" button and return to STEP 2.
- Note:** If you wish to try again before you finish recording a complete announcement:
 - A. Press "Reset" button.
 - B. Return to STEP 2.
10. Unplug the Microphone from the MIC JACK.

§ 4.5 DUPLICATE AN ANNOUNCEMENT FROM ANOTHER PLAYER

4.5.1 Preparation



1. Press the "Reset" button.
2. Plug the Microphone into the MIC JACK, leaving the MIC SWITCH OFF.
3. Connect the Patch Cord between the Earphone Jack of your Cassette Player and the Tape Jack of the AT-R33.

4.5.2 Recording

1. Wait until the Display shows **REC**

Note: As the tape fast forwards, the Display shows **REC**

If the Display does not show **REC** or **REC**, press the "Reset" button.

2. Press the "Play Back" button on your Cassette Player.

Note: The AT-R33 speaker will play recording from your Cassette Player.

3. Adjust the Audio Level using the Volume Control of your Cassette Player.
 4. Rewind the Tape of your Cassette Player until you reach the position at which you wish to start duplicating, then press the "Stop" button on your Cassette Player.
 5. Press the "Play Back" button on your Cassette Player.
 6. Turn the "MIC SWITCH" ON to start the AT-R33, then turn the "MIC SWITCH" OFF.
 7. Wait until the Tape stops.
 8. If you need to re-record an announcement, press the "Reset" button and return to STEP 2.
- Note:** If you wish to try again before you finish recording a complete announcement:

- A. Press the "Reset" button.
- B. Return to STEP 2.

9. Unplug the Microphone from the MIC JACK.

§ 4.6 TO PLAY BACK THE ANNOUNCEMENT

4.6.1 Single Message Mode

1. Make sure the "EP/LP SWITCH" is in the "Single Message Mode" (EP Mode) position.

2. Press the "Test" button to play back the message.

Note: After the AT-R33 has played back the announcement, the AT-R33 automatically resets for the next operation.

4.6.2 Dual Message Mode

1. Make sure the "EP/LP SWITCH" is in the "Dual Message Mode" (LP Mode) position.

2. Switch the "Recording Track Selector" to the "1" position.

3. Press the "Test" button to start MESSAGE 1.

4. Turn the "Recording Track Selector" to the "2" position after the Tape stops.

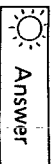
5. Press the "Test" button again to start MESSAGE 2.

Note: After the AT-R33 has played back the announcement, the AT-R33 automatically resets for the next operation.

5. DAILY OPERATION

§ 5.1 SINGLE MESSAGE MODE

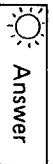
1. Switch "EP/LP Switch" to "Single" position.
Note: Answer indicator will light.



3. When you do not want the AT-R33 to answer lines, press the "Reset" button.
Note: The AT-R33 will not answer the next call.

§ 5.2 DUAL MESSAGE MODE

1. Switch "EP/LP Switch" to "Dual" position.
2. To have the AT-R33 answer lines, press the "Answer" button.
Note: Answer indicator will light.



3. When you do not want the AT-R33 to answer lines, press the "Reset" button.
Note: The AT-R33 will not answer the next call.

6. REMOTE CONTROL OPERATION

§ 6.1 PREPARATION

Set your Security Code for the AT-R33.

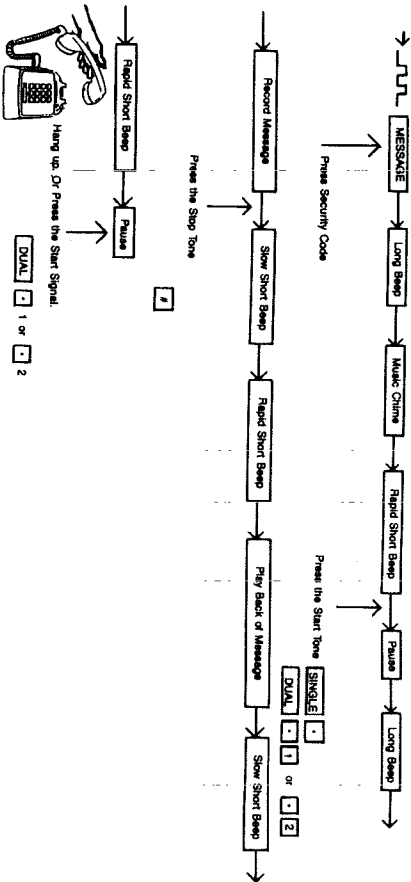
Note: You must program the Security Code before you try the Remote Control Operation. See Section 3 for setting up the Security Code.

How To Set The Security Code

1. Press the "Reset" button. Then press and hold the "Enter" button.
2. Then press the "Select" button at the same time.
3. Release the "Select" and the "Enter" buttons.
4. Press the "Select" button at intervals for the 1st digit of your security code. Then press "Enter" button.
5. Repeat STEP 4 for 2nd and 3rd digits of your security code.
6. Press the "Reset" button.

§ 6.2 CHANGING THE MESSAGE

1. Call "Line 3" on the AT-R33 by using a Tone Phone (DTMF Tone).
Note: If your telephone set is for Pulse Dialing, use a Tone Dialer.
2. After the AT-R33 answers your call, press your 3-digit Security Code using the Keypad of your telephone or a Tone Dialer.
(The AT-R33 answers by sending a beep tone.)
3. Wait until the AT-R33 sends a series of short beep tones.
4. Press the * button to start recording. (Single Message Mode)
Press the * 1 buttons for Message 1, Press the * 2 buttons for Message 2. (Dual Message Mode)
5. Start recording the Message after beep tone stops.
6. When you finish recording, press the # button.
(The tape will fast forward. During fast forwarding of the tape you will hear a series of slow short beeps. Then the AT-R33 will play back your Message automatically.)
7. The Message is automatically confirmed in Step 6 above.
8. If you are finished recording, hang up the handset. If you wish to re-record or record another Message, return to STEP 3.



§ 6.3 ANSWER OR RESET THE AT-R33

6.3.1 To change from "Answer" to "Reset":

1. Call "Line 3" on the AT-R33 by using a Tone Phone (DTMF Tone).
2. After the AT-R33 answers your call, press your 3-digit Security Code using the Keypad of your telephone or Tone Dialer. *(The AT-R33 answers you by sending a beep tone.)*
3. Wait until the AT-R33 sends a series of short beep tones.
4. Press the 9 button to reset the AT-R33.

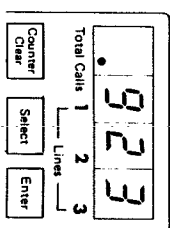
6.3.2 To change from "Reset" to "Answer"

1. Call "Line 3" of the AT-R33 using a Tone Phone (DTMF Tone). **Note:** The AT-R33 answers your call at 12 or 13 rings (75 seconds).
2. After the AT-R33 answers your call, press your 3-digit Security Code using the Keypad of your telephone or a Tone Dialer. *(The AT-R33 answers you by sending a beep tone.)*
3. Press the 7 button after finishing the series of beep tones to set the AT-R33 to "Answer Mode."

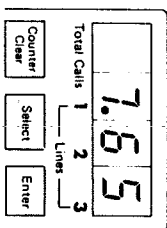
7. COUNTER

§ 7.1 HOW TO READ THE COUNTER

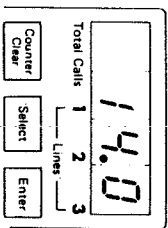
1. When not displaying other functions, the Counter will show the Total Calls.



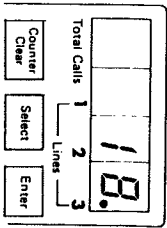
2. When you wish to know the number of calls received on Line 1, press the "Select" button. (Small dot will appear above Line 1.)



3. When you wish to know the number of calls received on Line 2, press the "Select" button again. (Small dot will appear above Line 2.)




4. When you wish to know the number of calls received on Line 3, press the "Select" button again. (Small dot will appear above Line 3.)



§ 7.2 HOW TO CLEAR THE COUNTER

1. Press and hold the "Counter Clear" button until the Display shows "0."
- Note:** If AC power is accidentally lost, the number of calls in memory may be lost after a period of time. (See page 22.)

8. PROBLEM SOLVING

PROBLEM	CHECKING	SOLUTIONS
Does not operate at all	Display shows Nothing	* AC adaptor is not plugged into AC outlet * AC Voltage is not present in AC outlet
	Display shows FRPPE	* Insert the Tape Cartridge * Replace the Tape Cartridge
Does not record an announcement	Display shows 0000	* Wait until display shows FEEL
	Display shows Numerals	* Microphone is not plugged in completely
	Answer Indicator is lit	* Press the "Reset" button
Does not answer the lines	 Answer	
	Answer Indicator is not lit Answer	* Press the "Answer" button
	Display shows FEEL	* 1. Press the "Reset" button * 2. Press the "Answer" button
Does not release the Lines	Program Code 5 is 0 5--0	* Change the value from "0" to "1"
	No C.P.C. Signal on the Line	* Choose the "Single Mode" instead of "Repeat Mode"

ACCESSORIES

• AC Adaptor	1
• 7 ft. Modular-to-Modular Cords	3
• Cartridge Tape	1
• Patch Cord	1
• Microphone	1
• Owner's Manual	1
• Warranty Card	1

SPECIFICATIONS

- Line Capacity
 - Message Length
 - Message Tape
 - Tape Speed
 - Memory Back-up
 - Wow & Flutter
 - Signal to Noise Ratio
 - Power Consumption
 - Dimensions
 - Net Weight
- 3 lines
10 sec. to 18 min. (EP Mode)
5 sec. to 9 min. (LP Mode)
TAKACOM Original, heavy-duty, no contact optic sensing cartridge Tape
4.75 cm/sec.
Ni-Cad Battery (24 hours with full charge)
Less than 0.4%
More than 44 dB
7 W in use, 4 W for standby
10³/₄" W X 2³/₄" H X 8¹/₂" D
4 lbs.



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