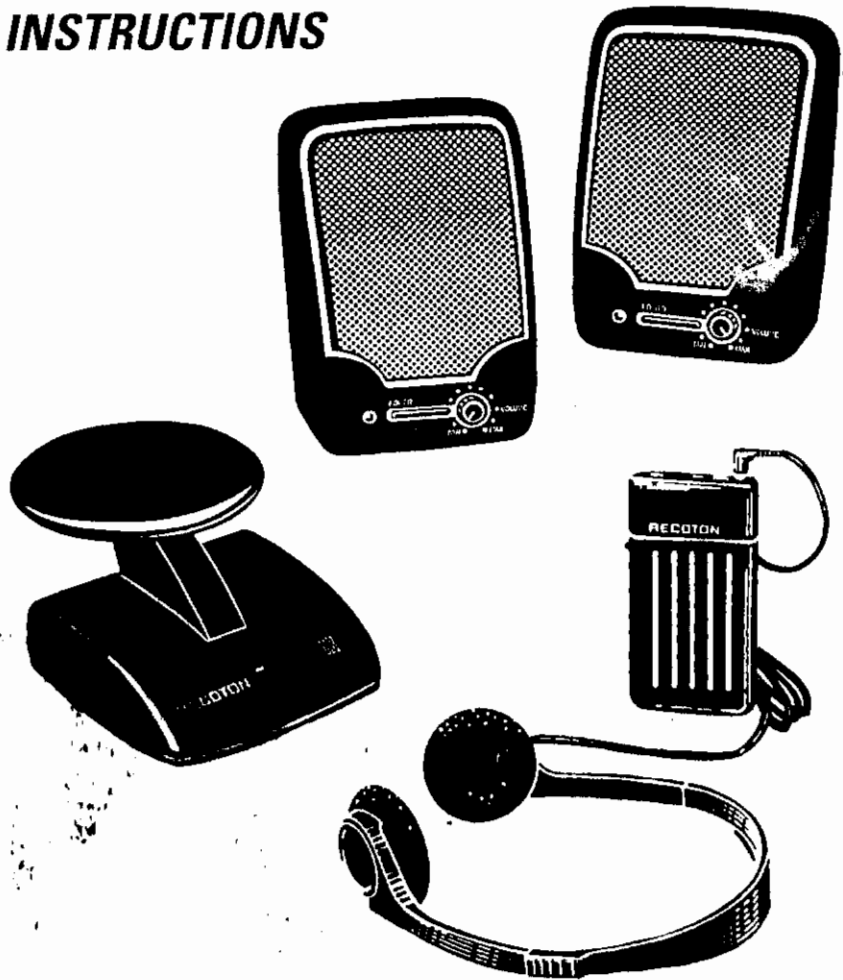


Wireless

STEREO HEADPHONE SPEAKERSYSTEM

INSTALLATION &
OPERATING
INSTRUCTIONS

W222 SX



RECOTON®

CONGRATULATIONS!

You have just selected one of the most innovative and functional products available today. Please take a few minutes to thoroughly read this instruction manual. It will help you learn more about the many applications of your W222SX Wireless Stereo Headphone/ Speaker System and how you can get the most out of it.

PURPOSE/BENEFITS

The Wireless Stereo/Headphone Speaker System enables you to make any amplified speaker or stereo headphone wireless. You can listen to your TV, your stereo, your CD or almost any sound system via the wireless stereo headphone while exercising, or doing other activities around or even outside your home.

This state-of-the-art technology is possible through the use of 900 MHz RF (Radio Frequency) signals. These signals travel easily through walls & floors, delivering high-quality stereo sound virtually anywhere in or around your home, even outdoors.

APPLICATIONS

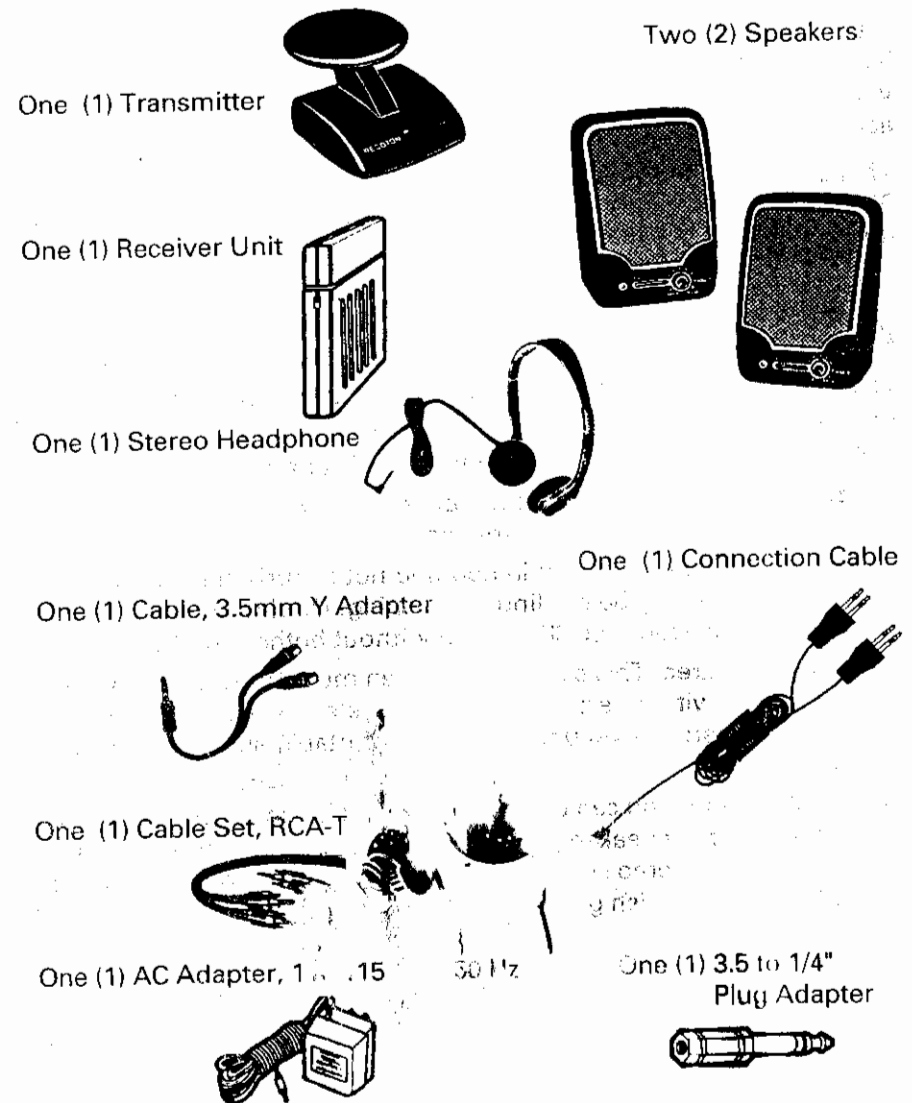
The Recoton W222SX Wireless Stereo Headphone/Speaker System has so many applications:

- **Privacy**—you can listen to music or a TV almost anywhere.
- **Versatility**—You can be in the same room with others, while listening to another audio source.
- **Keeps the peace**—Watch TV in bed and not disturb that special someone who may be reading or sleeping. Or play your favorite tunes on your Stereo or CD player without bothering others.
- **Hearing Impaired**—This system is more troublesome when watching TV with others. The system lets you personally adjust the hearing level if you are hearing impaired and others won't even notice.
- **Portable sound**—You can use the W222SX Receiver to the amplified stereo speaker for sound installations, or for wireless stereo speakers in backyards, pool areas or wherever you wish. Simply connect the system to your stereo.

CONTENTS

Every effort was made at the factory to ensure that your W222SX Wireless Stereo Headphone/Speaker System is in perfect working order and is supplied with all of the basic components needed for a standard type installation.

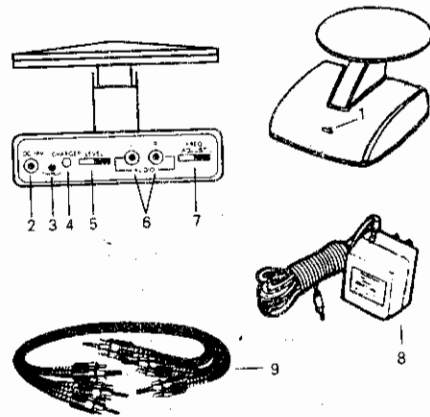
You should have the following components in your W222SX package. If you are missing any, please consult the Recoton® dealer where you purchased this product immediately.



W222SX OPERATING CONTROLS

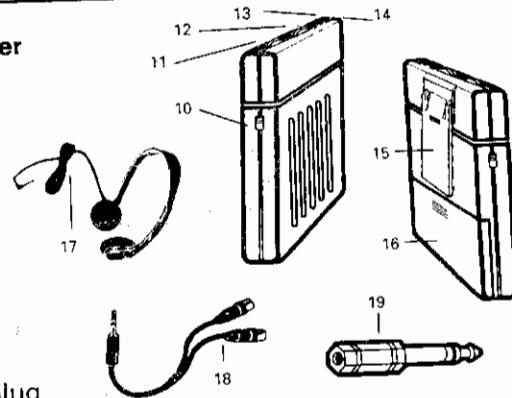
A. Transmitter

1. Audio level indicator light
2. Power connection input jack (from AC adapter unit)
3. Charge indicator light
4. Charger input jack
5. Level control wheel
6. Left channel, Right channel audio input jacks
7. Frequency adjust control
8. AC adapter
9. Stereo audio cable



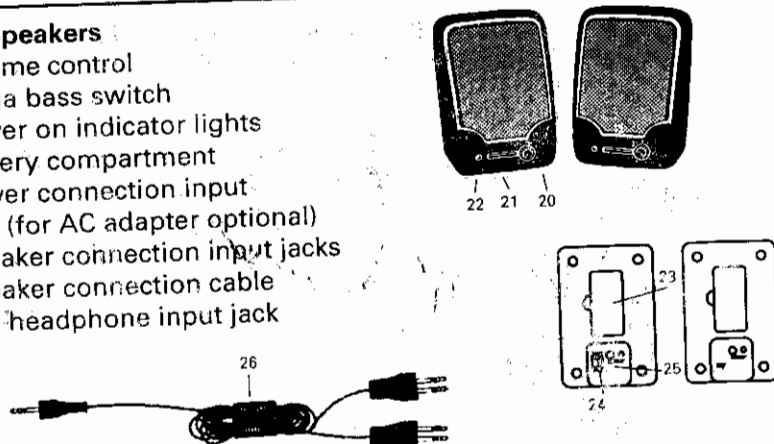
B. Stereo Headphone/Receiver

10. On/off switch
11. Tuning control wheel
12. Volume control wheel
13. Stereo indicator light
14. Stereo headphone input jack
15. Pocket/belt clip
16. Battery compartment
17. Stereo headphone
18. "Y" adapter cable
19. Headphone adapter plug



C. Stereo Speakers

20. Volume control
21. Mega bass switch
22. Power on indicator lights
23. Battery compartment
24. Power connection input jack (for AC adapter optional)
25. Speaker connection input jacks
26. Speaker connection cable and headphone input jack



1. Audio Level Indicator Light

The *LEVEL* control wheel (#5) adjusts the level of audio input to maximize volume and minimize distortion to the headset. The indicator will flicker occasionally (when high audio levels occur) when the level of audio input has been optimized for the transmitter operation. If the indicator does not flicker, adjust the *AUDIO LEVEL* wheel counter clockwise

2. Power Connection Input Jack

The round plug on the AC adapter (#8) attaches here to supply power to the transmitter.

3. Charge Indicator Light

Charge indicator lights when W500 headphones (optional) are charging.

4. Charger Input Jack

Charging cable (from optional W500 headphones) plugs in here.

5. Level Control Wheel

(See operating controls instruction #1 above).

6. Left Channel/Right Channel AUDIO Input Jacks

L(left) and R(right) *AUDIO* Jacks are used to connect the transmitter to an audio source (such as a TV, or audio component). Use the supplied audio cable (#7) to connect these jacks to the *AUDIO OUT* jacks of the component.

7. Frequency Adjust Control

This control allows you to change the transmitting frequency to help avoid interference from other components. If the audio from the headset has interference or static noise in it, try adjusting the *FREQ ADJUST* control to another frequency. This is done by moving the *FREQ ADJUST* wheel either direction any amount. Then tune in the audio by using the *TUNING* control (#11) on the receiver. Repeat this step if necessary.

8. AC Adapter

The AC Adapter plugs into AC wall outlet and converts AC (alternating current) into +18V DC to power the transmitter.

9. Stereo Audio Cable

Use this cable to connect the transmitter to an audio source (such as a TV, or audio component).

10. On/Off Switch

Place this switch in the *ON* position when using the headphones.

Place this switch in the *OFF* position when the headphones are not in use.

11. Tuning Control

Turn the *TUNING* control to match the receiver to the transmitting frequency of the transmitter. (See step #7).

OPERATING CONTROLS (cont'd)

12. **Volume Control**
Turn this control to adjust the headset's volume level.
13. **Stereo Indicator Light**
STEREO indicator will light when the frequencies are properly matched. When batteries are low, the *STEREO* indicator will no longer light.
14. **Stereo headphone input jack**
The round plug on the stereo headphone (#17) attaches here.
15. **Pocket/Belt Clip**
This is used to attach the receiver to your body. This clip is also removable if desired.
16. **Battery Compartment**
The receiver requires 3 "AA" batteries to operate. (Batteries not included).
17. **Stereo Headphone**
You may use the supplied stereo headphone to listen with, or you may use another headphone of your choice. The stereo headphone plugs into the stereo headphone input jack (#14).
18. **"Y" Adapter Cable**
The "Y" adapter cable is to be used when there is only a headphone output jack for a source signal. Then connect the "Y" adapter cable to the stereo audio cable (#9).
19. **Headphone Adapter Plug**
The headphone adapter plug (#19) attaches to the "Y" cable (#18) if the headphone jack on your TV or stereo is the 1/4" larger type input jack.
20. **Volume Control**
This is used to control the volume level on the left and right speakers individually.
21. **Mega Bass Switch**
For increased deeper and richer bass sound.
22. **Power On Indicator Lights**
Light stays on as long as there is power and an audio source is present. Speakers will automatically turn off 7 seconds after audio signal is turned off.
23. **Battery Compartment**
Accommodates 2 "AA" batteries (not included). Can be used in place of an AC Adapter (optional).
24. **Power Connection Input Jack (for AC Adapter - optional)**
This jack is the connection piece for AC to a 6V DC power adapter to be used instead of 2 "AA" batteries.

25. Speaker Connection Input Jacks

These are used to connect the speakers with the speaker connection cable (#26) included.

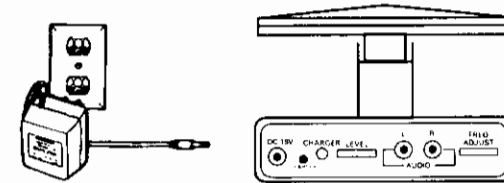
26. Speaker Connection Cable & Headphone Input Jack

This is used to connect the speaker connection input jacks (#25) on the back of the speakers. The headphone input jack is connected to the audio source.

INSTALLATION

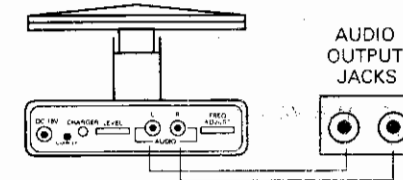
Transmitter

Connect the power cable coming from the **AC adapter (#8)** into the DC power connection input jack (#2) located on the back of the transmitter.



Plug the **AC adapter (#8)** into any convenient electrical wall outlet. (110 Volts 60 Hz)

Depending on your system and the available audio output jacks, there are various ways for you to "hook up" your W222SX transmitter to your TV or stereo system.



Use the stereo audio cable (#9) to connect the TV's (or other audio source's) fixed-level (*SELECT AUDIO OUT*) LEFT and RIGHT AUDIO jacks to the transmitter (#6). If there are no fixed-level audio outputs, you can connect the cable to variable level (*HI-FI*) audio outputs.

Notes: To ensure stereo operation, use the color coding on the stereo audio cable (#9) and be sure to connect the right (R) to right (R) and left (L) to left (L).

Fixed-level audio jacks are the best to use because the audio level them does not change—even if the TV's volume is changed. If your TV does not have audio output jacks labeled *FIXED* or *SELECT*, consult the TV's owner's manual to determine which of its *AUDIO OUT* jacks have a constant or fixed level.

If your TV does not have any audio outputs with constant or fixed level, you can use the variable or *HI-FI* out audio jacks. When using variable audio outputs, you should turn on the TV to the volume level desired and then adjust the *LEVEL* control (#5).

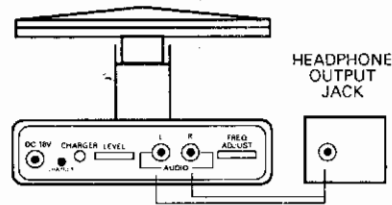
WARNING: Do not connect the audio cable to the *SPEAKER* terminals of the TV or audio source. This will damage your transmitter and/or TV or audio source.

INSTALLATION (cont'd)

Transmitter

If you do not have left/right audio output jacks on your stereo or TV, you may use the headphone output jack on your equipment. Use the supplied "Y" cable (#18), plugging the single end into the headphone jack and the other ends into the supplied stereo audio cable (#9) and to your W222SX transmitter (#6).

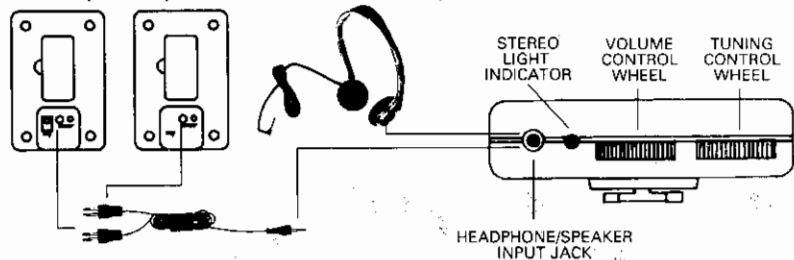
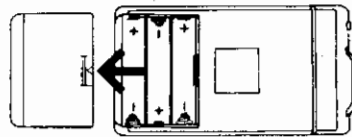
If the single end of the "Y" cable (#18) is too small to fit into the headphone output jack, use the headphone adapter plug (#19) to complete the connections.



INSTALLATION

Receiver

You will need three (3) alkaline "AA" type batteries to power the receiver. Slide open the battery compartment located on the back of the receiver and insert three, fresh "AA" batteries. During installation, follow the correct + and - markings shown in the battery compartment with those printed on the batteries.



Insert the mini-plug on your favorite stereo headphone, like the one on the stereo headphone (#17) supplied, or on the speakers (#26) provided into the stereo headphone input jack (#14) located on the top of the receiver.

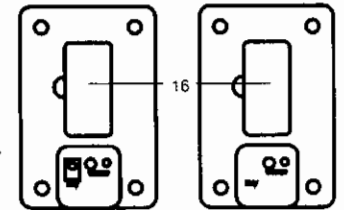
SPEAKER INSTALLATION

Insert the double pronged jack of the speaker connection cable into the speaker connection input jacks on the back of the speakers. Note that there is a left and right specified jack on the speaker connection cable (#26).

SPEAKER INSTALLATION (cont'd)

Place 2 "AA" batteries in the Battery Compartment (# 16) on back of each speaker. You can also use 6V AC Adapter (optional) instead of the batteries.

The AC Adapter is plugged into the back of the speakers to the jack labelled DC 6V.



OPERATION

Turn on the audio source (TV or audio component) to which the transmitter is connected.

If the transmitter is connected to the audio source's variable audio outputs (such as HI-FI jacks), adjust the volume of the source to the listening level you desire. If the transmitter is connected to the audio source's fixed-level audio outputs (such as SELECT OUT jacks), adjusting the volume of the audio source will not affect the performance of the transmitter.

Adjust the LEVEL CONTROL wheel (#5) all the way to the right. Then adjust the wheel to the opposite direction until the LEVEL indicator light (#1) just starts to flicker. When the light flickers at peak (very high) signal levels, the optimum signal is being transmitted.

Note: If the transmitter is connected to the source's variable audio outputs and you can not get the AUDIO LEVEL indicator light (#1) to flicker, make sure the LEVEL CONTROL wheel (#5) is all the way to the right. Raise the volume of the source until the indicator light just starts to flicker. If using fixed-level audio outputs, this should be a one-time setting. If the indicator does not flicker, adjust the LEVEL CONTROL wheel counter clockwise.

On certain TV sets and audio components, the AUDIO LEVEL indicator light (#1) may not light if the audio level from your TV, VCR, or STEREO is low. But, you can still enjoy the use of your headphones or speakers.

If the AUDIO LEVEL indicator light (#1) does not light, simply rotate the LEVEL CONTROL wheel to the maximum position. You can now listen to your audio or video selection by controlling the volume on the receiver.

Place the ON/OFF switch (#10) in the ON position to turn on the headphones or speakers. The stereo indicator light (#13 or #22) will light.

Stand approximately ten feet from the transmitter and adjust the TUNING control (#11) until the STEREO indicator lights (#13).

Adjust the VOLUME control on your headphones (#12) or your speakers (#20) to the desired listening level. The headphones length adjustments let you adjust the length of the headphones for a comfortable fit.

NOTE: You should now be able to walk freely from room to room without receiver's disruption. If disruption should occur (signal breaks up), adjust the TUNING control (#11) to maximize stereo reception.

When transmitting/receiving over long distances, the signal from the W222SX will become weaker and the stereo indicator light will go dim. Your W222SX wireless stereo headphone will continue to operate and receive the signal; however, it will now be in a mono mode instead of stereo. The volume on the speakers can be adjusted individually by turning the volume control knobs (#20)

If you hear interference from other components, readjust the *TUNING* control (#11). You can readjust the *TUNING* control by moving the control either right or left. You may have to try a few locations to find one with no interference.

After use, place the *ON/OFF* switch (#10) in the *OFF* position.

EXTRA BENEFITS OF YOUR W222SX WIRELESS STEREO HEADPHONE SYSTEM

Multiple W222SX Receiver uses--

One transmitter can broadcast to an unlimited number of receivers. Therefore, extra receivers (W206) are available for your system. This permits multiple users to enjoy the benefits of full stereo sound wherever they are in your home.

Amplified Speakers and Headphones--

You can use either of these with other audio sources, such as a stereo or portable stereo device. These are not limited for use only with the wireless features, they can be used just as normal speakers and headphone.

SPECIFICATIONS

Transmitter

Frequency--91.5 MHz
UL Listed AC adapter

Receiver

Frequency response--50-15K Hz
S/N
Channel separation 30 dB
Distortion--<2%
Operating range--approx 150 ft.
Automatic soft mute
Patent Pending

Amplified Speakers

Impedance
Frequency Response
Rated Output Power
Speakers
Cord
Plug
Power Source

4-8 Ohms
100-15,000 Hz
2 x 2 watts (4 watts total)
3" round, full-range
3 ft. Cord to Headphone Input
1/8" (3.5mm) Stereo mini plug
2 x 2 "AA" Batteries (not included)

TROUBLE CHECKS

Trouble	Checks and Adjustments
No sound	<ul style="list-style-type: none"> • Ensure receiver's <i>ON/OFF</i> switch (#10) is in the <i>ON</i> position. • Receiver battery may be too low. Change batteries. • Ensure that the AC adapter (#8) is fully inserted into the AC outlet and into the <i>POWER</i> connection input (#2) on the transmitter. • Ensure the TV or audio component is turned on and tuned to a channel with audio. • If you are using variable level audio outputs (instead of fixed - level audio outputs) on the audio source, ensure the volume on the source is turned up. • Ensure the <i>STEREO</i> indicator light (#13) is on. If not, adjust the <i>TUNING</i> control (#11) on the receiver until the indicator light is on. • Increase the volume control (#12) on the receiver. • If you are several feet from the transmitter (or there are obstacles such as walls, furniture, etc. between you and the transmitter), you may need to physically raise the transmitter. • If you are using speakers provided, ensure you have the batteries correctly installed and that the speakers are properly connected to each other.
Distorted Audio	<ul style="list-style-type: none"> • Ensure the <i>STEREO</i> indicator light (#13) is on. If not, adjust the <i>TUNING</i> control (#11) until the <i>STEREO</i> indicator lights. • Change the position of the <i>FREQ. ADJ</i> control (#7) to change operating frequency. Then adjust the tuning control (#11) on the receiver until the <i>STEREO</i> indicator (#13) lights. • Receiver battery may be too low. Change batteries. • If you are several feet from the transmitter (or there are obstacles such as walls, furniture, etc. between you and the transmitter), you may need to physically raise the transmitter. • Ensure the <i>LEVEL</i> control wheel (#5) is adjusted properly (so that the <i>AUDIO LEVEL</i> indicator (#1) flickers only occasionally, not constantly). • Decrease the volume on the speaker and/or the receiver.

MAN'S BEST FRIEND "NO HASSLE" WARRANTY

During the first 90 days after your purchase:

If you are dissatisfied for any reason, you may return this product for repair, replacement, or a full refund. Be sure to include a copy of your original bill of sale and a note indicating why this product did not satisfy you.

Ship product freight prepaid to:
Customer Service Manager
Recoton
2950 Lake Emma Rd.
Lake Mary, FL 32746

After 90 Days:

We will repair or replace this product for manufacturing defects when you return it to us prepaid together with your check for \$20.00 to cover shipping and handling.

CUSTOMER ASSISTANCE HOTLINE--1•800•RECOTON

Recoton provides a toll-free telephone helpline staffed by knowledgeable people to assist you with answers to questions regarding this, or any other Recoton product.

Our Customer Assistance Department is available Monday through Friday from 9 am to 5 pm EST.

Note:

Changes or modifications not expressly approved by the party responsible for compliance to the FCC Rules could void the user's authority to operate this equipment.

Covered under patent # 5,272,525

RECOTON®

2950 Lake Emma Road, Lake Mary, FL 32746

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W222SX 3/94
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