

System 500

Wireless Drive-Thru Audio System

Operating Instructions



HMELECTRONICS, INC.

14110 Stowe Drive, Poway, CA 92064 USA

Phone: 1-800-848-4468 Fax: (858) 552-0172

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I. GENERAL

The System 500 is a wireless audio system primarily for use at quick-service restaurants.

II. EQUIPMENT FUNCTIONS AND USE

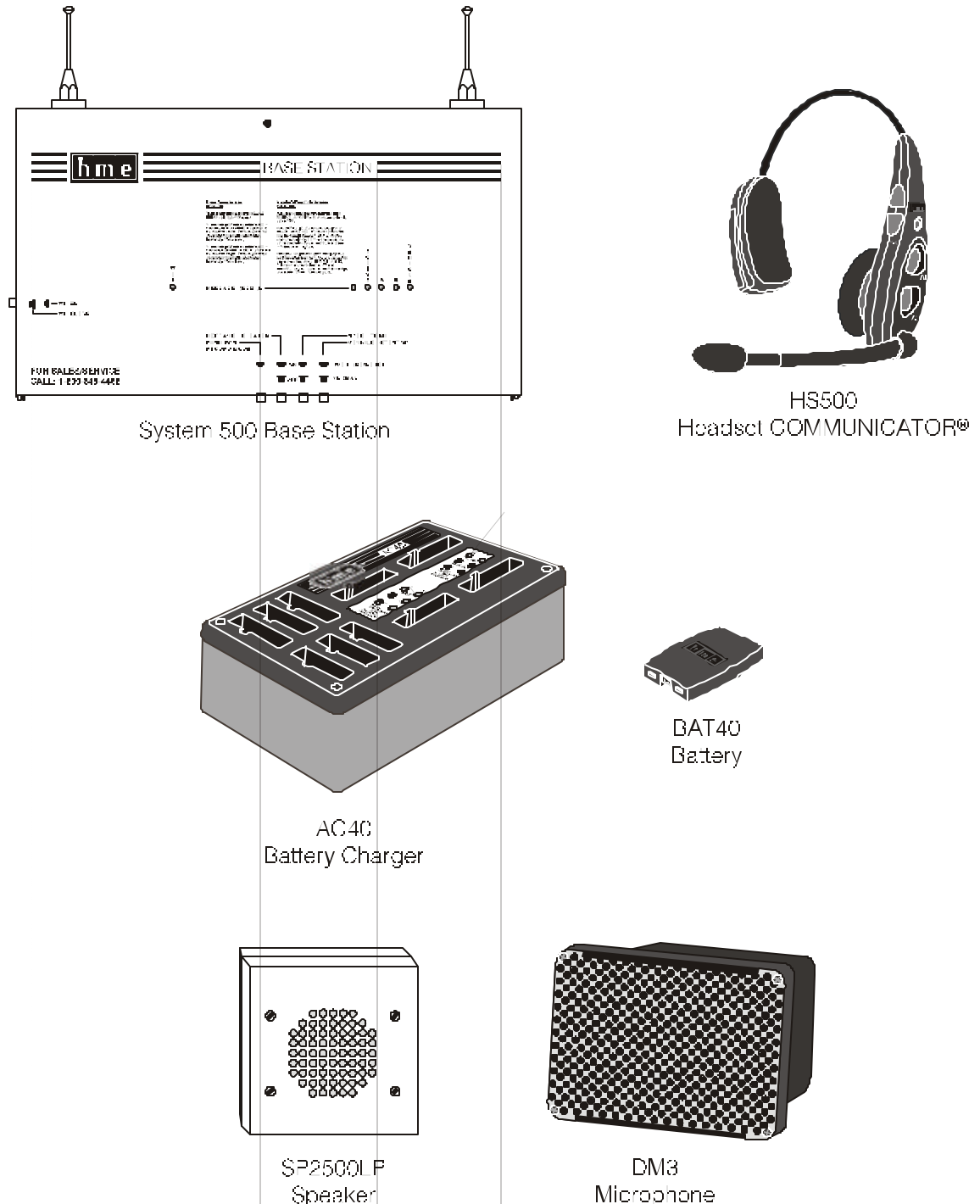


Figure 1. System 500 equipment

A. Base Station

The base station is the electronic heart of the System 500. It contains the circuitry through which all functions of the drive-thru audio system are channeled.

External base station features are shown in Figure 2, and described on page 3. Its internal features are shown in Figure 8, and the base station circuit board switches and adjustments are listed on page 15.

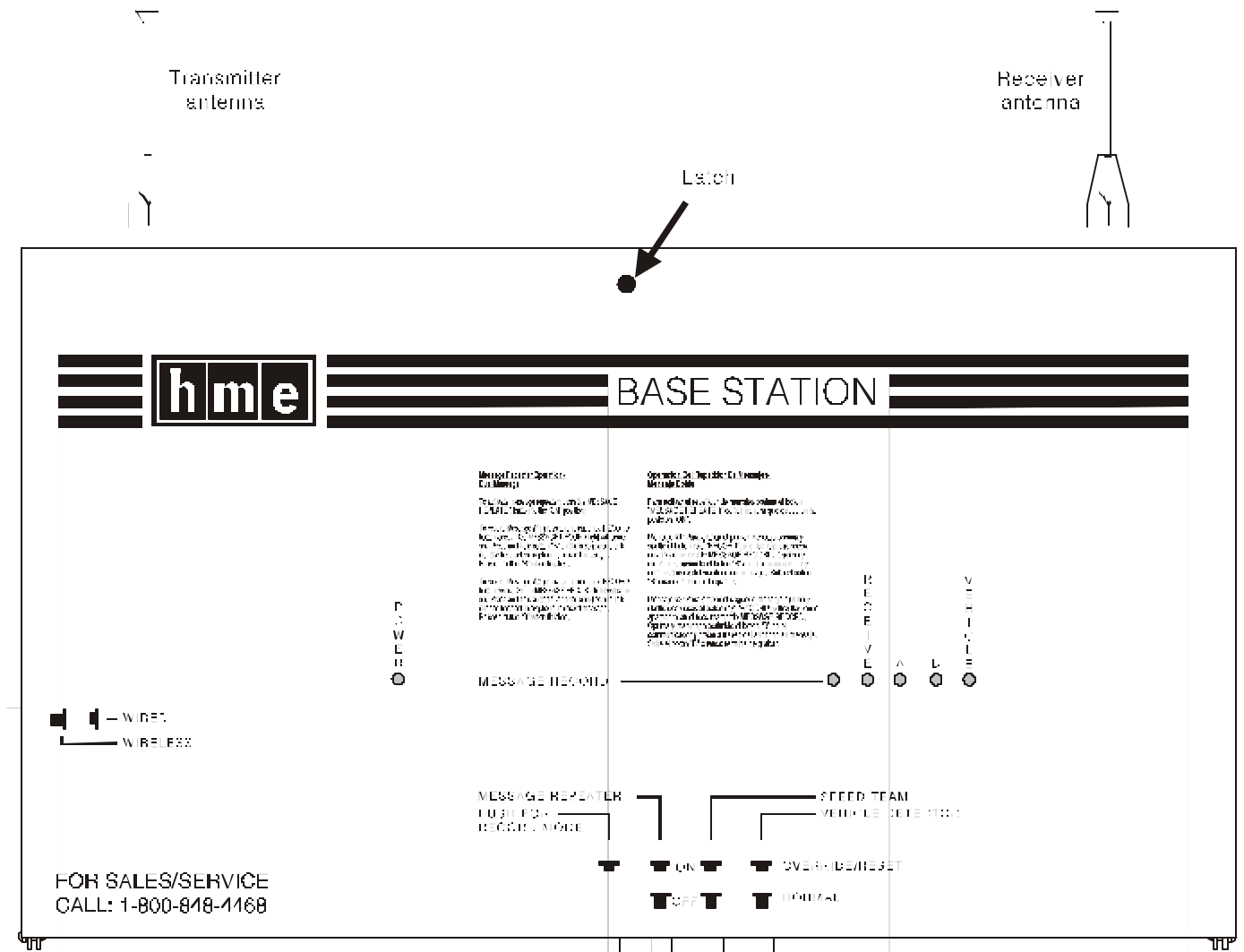


Figure 2. Base station exterior

Base Station External Features

Front -

- **POWER light** is on when the base station has power.
- **MESSAGE RECORD light** is on RED when the base station is ready to record message #1 for the message repeater, and blinking RED while message #1 is being recorded. It is on GREEN when the base station is ready to record message #2 for the message repeater, and blinking GREEN while message #2 is being recorded. The MESSAGE REPEATER button must be pushed IN.
- **RECEIVE light** is on during channel-A and channel-B transmissions, and is used for troubleshooting.
- **"A" light** is on during channel-A transmission.
- **"B" light** is on during channel-B transmission.
- **VEHICLE light** is on when a vehicle is present in the drive-thru lane or when the system is in vehicle-detect override.

Bottom -

- **PUSH FOR RECORD MODE button** must be pushed IN and released once to prepare the base station to record message #1 for the message repeater, or pushed IN and released twice to record message #2.
- **MESSAGE REPEATER button** must be pushed IN to use the message repeater, OUT when the message repeater is not being used.
- **SPEED TEAM button** must be pushed IN for speed-team operation, OUT for normal drive-thru operation
- **VEHICLE DETECTOR button** must be pushed and left IN to override a vehicle detector; to reset vehicle detector, push IN and leave IN for 5 seconds, then push again and leave OUT for normal vehicle detection.

Left Side -

- **WIRED/WIRELESS button** must be OUT when using the wireless System 500, IN when using a wired backup system.

B. Headset

1. Features and Controls

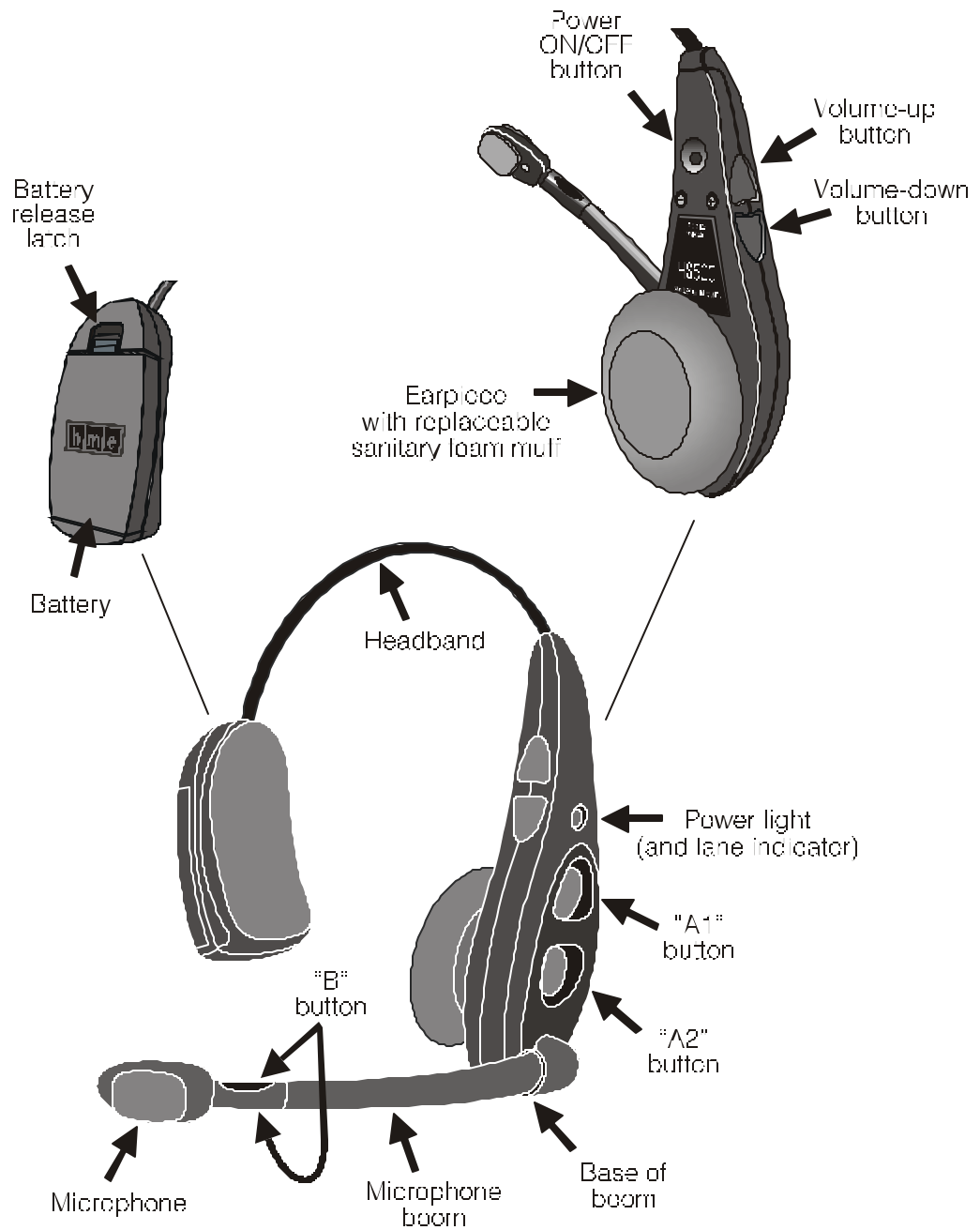


Figure 3. Headset features and controls

2. How to Wear the Headset

- Wear the microphone on your right or left side.
- Wear the battery end of the headset above your ear, on the side of your head opposite the earpiece.
- Adjust the headband for a comfortable fit.
- Hold the microphone boom at its base (See Figure 3) and pivot the boom up or down to adjust the microphone position to the side of your mouth as shown in Figure 4.

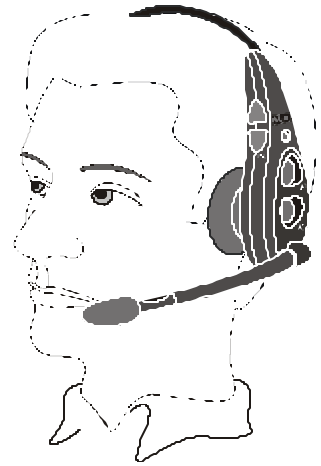


Figure 4.
Correct wearing
of headset

3. How to Use the Headset

The headset control buttons are touch-sensitive.

They will activate when only slightly touched. Use your fingertips, not your fingernails, to touch the buttons.

a. Power On/Off

Power Light

- The headset power light is red for lane 1, green for lane 2.
- The headset power light blinks while the headset is transmitting your voice.
- The headset power light is ON steady when the headset is not transmitting.

Power On

- Press and release the power ON/OFF button to turn the headset on.
- A voice message in the headset says *"Power on, lane one (or two)."*
- The headset power light blinks green, then goes on steady red (lane 1) or green (lane 2).

Power Off

- Press and hold the power ON/OFF button 2 seconds.
- A voice message in the headset earpiece says *"Power off."*
- The headset power light goes off.

b. Volume Up/Down

Single-Step Volume Adjustment

- Lightly touch and release the Volume-up or Volume-down button.
- A beep sounds in the headset earpiece each time the button is pressed.
- As the volume increases, one step at a time, the pitch of the beep increases.

As the volume decreases, one step at a time, the pitch of the beep decreases.

- When the same high or low pitch repeats each time you touch a Volume-up or down button, you have reached the maximum or minimum volume level.

Continuous Volume Adjustment

- Lightly touch and hold the Volume-up or Volume-down button.
- The volume increases or decreases continuously while the button is held.
- A series of beeps, of increasing or decreasing pitch, sound in the headset earpiece until the volume reaches maximum or minimum.

4. Headset Operating-Mode Settings

Most stores have installed systems with Hands-Free capability, but some have not. If you are uncertain whether or not your System 500 has Hands-Free capability, do the following test.

When a car is at the speaker post (or menu board), touch and hold the appropriate "A" button. If you can hear the sound of the car or the customer with the "A" button held, you have Hands-Free capability.

a. Auto-Hands-Free Setting

The auto-hands-free (AHF) feature allows one operator to communicate with a customer in one drive-thru lane without pressing any buttons. Other operators can listen. If the first operator turns the AHF feature off, another operator can turn it on.

CAUTION: *Only one HS500 per lane can be set in the auto-hands-free mode, or interference will occur when a customer enters the drive-thru lane.*

- **With the power already on**, press and hold the **Power** button and touch the **Volume-down** button – You will hear "Auto-hands-free on" or "Auto-hands-free off"
NOTE: You must touch the **Volume-down** button within 2 seconds after pressing the **Power** button, or you will turn the power off and have to begin again. If the auto-hands-free feature does not come on, you may need to reconfigure the S1 switch in the base station. Call HME Customer Support at 1-800-848-4468 for assistance.
- The last auto-hands-free on/off message you hear will remain in effect until you change it again or turn the headset power off.

b. Configuration Settings

- **With the power already on**, press and hold the **Power** button and press the **B** button. **NOTE:** You must press the **B** button within 2 seconds after pressing the power button, or you will turn the power off and have to begin again.
- You will hear "Configuration" in the headset.
- Select the desired configuration setting described below.
- When finished, press and release the **B** button to exit the configuration-settings mode. You will hear "Power on, lane (one or two)" in the headset.
- Configuration settings will remain in effect until you change them again.

Hands-free On/Off Configuration

- Touch and release the **Volume-down** button – you will hear "Hands-free on."
- Touch and release the **Volume-down** button again – you will hear "Hands-free off."
- You will continue to hear "Hands-free on" or "Hands-free off" messages alternating each time you touch and release the **Volume-down** button.

- The last *hands-free on/off* message heard will be selected when you exit the configuration-settings mode.

Single/Dual Lane Configuration

- Touch and release the **A1** button – you will hear “*Single lane.*”
- Touch and release the **A1** button again – you will hear “*Dual lane.*”
- You will continue to hear “*Single lane*” or “*Dual lane*” messages alternating each time you touch and release the **A1** button.

NOTE: If you do not hear a “*Single lane*” or “*Dual lane*” message, you may need to reconfigure the S1 switch in the base station. Call HME Customer Support at 1-800-848-4468 for assistance.

- The last *single/dual lane* message heard will be selected when you exit the configuration-settings mode.

5. Battery Removal and Replacement

If you hear "Headset Battery Low" in the headset, its battery needs to be replaced and recharged. HS500 batteries need be recharged after 12-13 hours of normal use.

a. Battery Removal

- Push the battery-release latch upward.
- Pull the battery out from the top.



Figure 5.
Battery removal

b. Battery Replacement

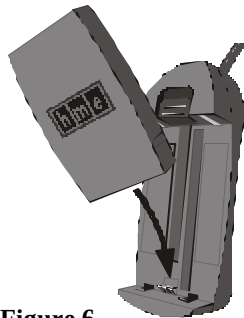


Figure 6.

compartment Battery replacement in place under the battery-release latch.

- Place the end of a battery into the battery compartment, with its metal contacts downward.
- Press the top of a battery into the battery

C. Battery Charger

Up to four headset batteries can be charged in the charger at the same time. Charging time is approximately 2 hours. The battery status lights next to each charging port are explained below. Up to six fully charged batteries can be kept in the battery storage ports.

- Insert a battery in one of four charging ports until it clicks in place.
- The yellow light next to a charging port stays on while it is empty. When a battery is in a charging port, a yellow light flashing next to it indicates CHARGE PENDING, which means the temperature where the charger is located is out of the battery's operating range (32°-104°F, 0°-40°C). Adjust the room temperature or move the charger to a cooler area. When battery is in a port, a yellow light on steady next to it indicates CHARGE FAILED. Follow the diagnostic instructions on the side of the battery charger.
- The red CHARGING light next to a charging port stays on while a battery in it is charging.
- The green READY light next to a charging port goes on when a battery in it is fully charged.
- Remove the fully charged battery from its charging port and place it in a storage port.

CAUTION: Do not remove batteries from the charger until the green READY light is lit, or the charger will reset and the charge cycle will begin again.

Battery in
storage
port



Battery in
charging
port

Label on
battery
charger



III. SYSTEM 500 OPERATION

The headset can be operated in Hands-Free, Auto-Hands-Free or Hands-Free-Off modes.

If your store does not have Hands-Free capability, you should operate the System 500 according to section A.3. below in single-lane stores, or B.3. (page 9) in dual-lane stores.

If you are uncertain if your store has hands-free capability, refer to section 4 on page 6.

In the Hands-Free and Auto-Hands-Free modes, you can transmit and receive communication at the same time, as in a normal telephone conversation. In the Auto-Hands-Free mode, transmission and reception are activated automatically when a customer drives into the drive-thru lane. In the Hands-Free mode, transmission and reception are activated by touching and releasing one of the **A** buttons on the headset. In the Hands-Free-Off mode, you must touch and hold one of the **A** buttons on the headset while speaking to the customer.

When a customer arrives in the drive-thru lane, you will hear a single beep in the headset for single lanes and for Lane 1 in dual-lane operations, or a double beep for Lane 2. In dual-lane operation, if you are communicating with a customer when another customer arrives in the opposite lane, a higher pitch double beep will sound in the headset to alert you of the second customer's presence. When the first customer leaves the speaker post, the same higher pitch double beep will repeat in your headset every 4 seconds until you touch the **A1** or **A2** button to communicate with the second customer.

To communicate internally with another HS500 user, press and hold the **B** button while talking. Release to listen.

If you press the **A1**, **A2** or **B** button while someone else is already communicating on that channel, you will hear "Channel active" in your headset.

A. Single-Lane Operation (one base station for one speaker post)

1. Hands-Free (HF) Mode:
! Alert tone (single beep) sounds in headset, then customer at speaker post or menu board can be heard. ! Adjust customer's voice level in headset if necessary. ! Touch and release A1 or A2 button to speak and listen to customer. ! Touch and release A1 , A2 or B button to end communication with customer. You will hear a single beep in your headset. ! Touch and release A1 or A2 button if you want to speak to the customer again. ! If customer drives away from speaker post or menu board, headset automatically stops transmitting.
2. Auto Hands-Free (AHF) Mode:

! Alert tone (single beep) sounds in headset, then customer at speaker post or menu board can be heard.

! Adjust customer's voice level in headset if necessary.

! Speak and listen to customer without pressing any buttons.

! Touch and release **A1**, **A2** or **B** button to end communication with customer. You will hear a single beep in your headset.

! Touch and release **A1** or **A2** button if you want to speak to the customer again.

! If customer drives away from speaker post or menu board, headset automatically stops transmitting.

3. Hands -Free-Off Mode:

! Alert tone (single beep) sounds in headset, then customer at speaker post or menu board can be heard.

! Adjust customer's voice level in headset if necessary.

! Touch and hold **A1** or **A2** button to speak to customer.

B. Dual-Lane Operation (two base stations for two speaker posts)

1. Hands -Free (HF) Mode:
! Alert tone (single beep for Lane 1, double beep for Lane 2) sounds in headset, then customer at speaker post or menu board can be heard. ! Adjust customer's voice level in headset if necessary. ! Touch and release A1 button for Lane 1 or A2 for Lane 2, to speak and listen to customer. ! Touch and release A1, A2 (depending on lane) or B button to end communication with customer. You will hear a single beep in your headset. ! Touch and release A1 button for Lane 1 or A2 for Lane 2, to speak to the customer again. ! To change lanes, touch and release the opposite A button. ! If customer drives away from speaker post or menu board, headset automatically stops transmitting.
2. Auto Hands-Free (AHF) Mode:
! Alert tone (single beep for Lane 1, double beep for Lane 2) sounds in headset, then customer at speaker post or menu board can be heard. ! Adjust customer's voice level in headset if necessary. ! Speak and listen to customer without pressing any buttons. ! Touch and release A1, A2 (depending on lane) or B button to end communication with customer. You will hear a single beep in your headset. ! Touch and release A1 button for Lane 1 or A2 for Lane 2, to speak to the customer again. ! To change lanes, touch and release the opposite A button. ! If customer drives away from speaker post or menu board, headset automatically stops transmitting.
3. Hands -Free-Off Mode:
! Alert tone (single beep for Lane 1, double beep for Lane 2) sounds in headset, then customer at speaker post or menu board can be heard. ! Adjust customer's voice level in headset if necessary. ! Touch and hold A1 button to speak to customer in Lane 1; A2 to speak to customer in Lane 2.

C. Speed-Team Operation

Speed team operation is used during high-volume times. An order taker wearing an HS500 headset relays orders from outside into the store, using button **B** on the headset. Placing the speed-team switch, on the bottom of the base station, in the ON position will disable the outside speaker/microphone and the vehicle-alert tone.

D. Message Repeater Operation

1. Record

To record messages for the message repeater, press the MESSAGE REPEATER button in, on the bottom of the base station, and do the following:

ACTION		RESULT
To record Message #1	Press and release the RECORD MODE button on the base station once .	The red MESSAGE RECORD light on the base station will come on.
	Press and hold button B on the headset and talk into the headset microphone to record a message (up to 8 seconds).	The MESSAGE RECORD light on the base station will begin blinking.
	Release button B .	The record function will stop and the MESSAGE RECORD light will go off.
To record Message #2	Press and release the RECORD MODE button on the base station twice .	The green MESSAGE RECORD light on the base station will come on.
	Press and hold button B on the headset and talk into the headset microphone to record a message (up to 8 seconds).	The MESSAGE RECORD light on the base station will begin blinking.
	Release button B .	The record function will stop and the MESSAGE RECORD light will go off.

2. Playback

Locate the S7 and S8 DIP switches at the bottom-center of the audio circuit board inside the base station for the following settings. Refer to Figure 8.

Message #1

- S8 switch #7 in the **ON** position enables Message #1 to be played.
- will be triggered by a vehicle present signal if **S7 switch 5** is in the **OFF** position. The playing message can be cancelled by pressing button **A** on the headset.
- will be triggered by an alert signal if **S7 switch 5** is in the **ON** position.
- will be played to the locations selected if **S7 switches 2, 3 and/or 4** are in the **ON** position.
 - Switch 2 enables Message #1 to be played back in all HS500 headsets.
 - Switch 3 enables Message #1 to be played back on the outside speaker.
 - Switch 4 enables Message #1 to be played back on the ceiling speakers.

Message #2

- S8 switch #8 in the **ON** position enables Message #2 to be played.
- will be triggered by a vehicle present signal if **S8 switch 5** is in the **OFF** position. The playing message can be cancelled by pressing button **A** on the headset.
- will be triggered by an alert signal if **S8 switch 5** is in the **ON** position.

- will be played to the locations selected if **S8 switches 2, 3 and/or 4** are in the **ON** position.

Switch 2 enables Message #2 to be played back in all HS500 headsets.

Switch 3 enables Message #2 to be played back on the outside speaker.

Switch 4 enables Message #2 to be played back on the ceiling speakers.

If **S8 switches 7 and 8** are both in the **ON** position, and **S7 switch 5** and **S8 switch 5** are both set to **ON** or **OFF**, Message #1 and Message #2 will be played alternately.

After a new message has been recorded or after the base station has lost and regained power, any message to the outside speaker will always be heard in the headset the first three times it plays.

IV. EQUIPMENT CARE AND CLEANING

A. Proper Handling

- When adjusting microphone position, hold boom at base, not at microphone end.
- Carry headset by headband, not by earpiece or battery end, and never by microphone boom.
- Use both hands to put headset on or take it off.

B. Cleaning

1. Headsets

- Remove batteries from headsets.
- Clean batteries and headsets with damp sponge sprayed with household cleaner. Squeeze excess liquid out of sponge before using it.
- Clean metal contacts on batteries and headsets as follows. Wet tip of swab with alcohol and squeeze excess alcohol from it. Wipe each contact with swab and be certain all contacts are dry before reinstalling batteries in headsets.
- Foam muffs on headset earpieces can easily be replaced for sanitary purposes. To order extra foam muffs, call your local HME sales representative.

2. Battery Charger

Avoid splashing water or grease on the battery charger. Clean the battery charger monthly as follows.

CAUTION: *Always unplug the battery charger before cleaning it.*

- Remove all batteries from the battery charger.
- Clean the battery charger case with a damp sponge. Wet the sponge and wring it out so it is damp, not dripping wet. Spray household cleaner on the sponge (NOT DIRECTLY ON THE EQUIPMENT). Clean the battery charger with the sponge and dry it thoroughly.

- Wet the tip of a cotton swab with rubbing alcohol and squeeze the excess alcohol from the swab. Wipe the metal contacts inside each battery port with the damp swab. Allow the contacts to dry before placing batteries in the ports.

V. IN CASE OF PROBLEMS

PROBLEM	PROBABLE CAUSE	SOLUTION
No sound is heard in headset when you press button A and speak into microphone.	Power may be off at base station.	Check circuit breaker for building.
	Power supply in base station may not be working.	Check power supply indicator lights on base station. If no light is lit, be certain AC power adapter is plugged into AC electrical outlet and is connected to J16 on base station audio circuit board.
	Headset power may not be on.	Press Power ON/OFF button on headset. Be certain power light goes on.
	Volume may not be set correctly.	Adjust headset volume with Volume-up and down buttons.
	Battery may be low or defective.	Check Power light. If not lit, replace battery.
Headset channel A or B is not working.	Headset may be defective.	Use another headset. Call HME. *
	Headset power may not be on.	Press Power ON/OFF button on headset. Be certain power light goes on.
	Battery may be low or defective.	Check Power light. If not lit, replace battery.
	Channel A or B light on base station does not light when headset button A or B is pressed.	Use another headset. Call HME. *
Outbound sound is too low.	Frequency settings may be wrong.	Call HME. *
	Outbound volume may be set too low for environment.	Turn outside speaker volume control, R59 on base station audio circuit board, clockwise until volume is satisfactory.
No outbound sound; Customer cannot hear anything.	System may be set for speed-team operation.	Be certain SPEED TEAM button on base station is in out (OFF) position.
	There may be loose wires on outside speaker or base station circuit board.	Check outside speaker wire connections in base station and at outside speaker.
	Speaker or base station may be defective.	Call HME. *
Customer cannot be heard in push-to-talk (PTT) operation.	System may be set for speed-team operation.	Be certain SPEED TEAM button on base station is in out (OFF) position.
	Base station may be set for wrong drive-thru mode (full or half-duplex).	Check S6 DIP switch #1 at bottom of base station audio circuit board. It should be ON for full-duplex, OFF for half-duplex operation.

Only static can be heard in headsets.	Base station may not be powered.	Check power supply indicator lights on base station. If no light is lit, be certain AC power adapter is plugged into AC electrical outlet and is connected to J16 on base station audio circuit board.
	Circuit board may be defective.	Check to see if status lights on base station are lit. Call HME. *

PROBLEM	PROBABLE CAUSE	SOLUTION
Touch-sensitive buttons on headset are stuck on, or do not work. No click or tone is heard when touching an A or B or Volume button.	Buttons may be out of calibration.	Press and hold headset power button for 6 seconds, until a buzzing sound is heard in headset earpiece. Hold the headset by the headband and do not touch any buttons for 10 seconds. If the buttons are still not working properly, call HME. *
Personnel hear customers in ceiling speaker or headsets, but cannot hear each other.	Circuit board may be defective.	Check to see if status lights on base station are lit. Call HME. *
	Headset may be defective.	Use another headset. Call HME. *
No tone or sound is heard in ceiling speaker or headsets when vehicle enters drive-thru lane.	Power interruption may have caused vehicle detection circuit to be out of balance.	When no vehicle is in the drive-thru lane, press the vehicle detector override switch on the base station to the RESET position, then back to the NORMAL position.
	System may be set for speed-team operation.	Be certain SPEED TEAM button on base station is in out (OFF) position.
	Connector may be loose.	Check all connectors in base station. Call HME. *
Personnel cannot hear customers in ceiling speaker or headsets.	There may be loose wires on base station circuit board.	Check all connections on base station circuit boards.
	System may be set for speed-team operation.	Be certain SPEED TEAM button on base station is in out (OFF) position.
	Outside speaker or audio circuit board may have failed.	Call HME. *
Headset has intermittent sound.	Battery may be low.	Replace battery.
	Headset may be defective.	Use another headset. Call HME. *
There is still sound in headset after all customers have been served.	OVERRIDE/RESET switch on base station may be in the OVERRIDE (in) position.	Be certain switch is in the NORMAL (out) position.
	Vehicle detector may be locked up.	Press OVERRIDE/RESET switch twice.
Battery charger is not working.	Charger may not be plugged in.	Be certain charger is plugged in. If it still is not working, call HME. *
Message cannot be recorded.	Message repeater may not be turned on.	Be certain message repeater button on bottom of base station is in the ON (in) position.
Message will not play.		

* For assistance, call HME at 1-800-848-4468, or Fax 858-552-0172.

900MHz cordless telephone interference –

If there is a 900MHz cordless telephone nearby, interference may occur. Changing frequencies on the telephone and/or base station and headset may alleviate the problem. Call HME Customer Support at 1-800-848-4468 if assistance is required.

In the event of an electrical power outage –

such as from a lightning storm or power generator failure, if you experience problems with your HME equipment after the electricity comes on again, unplug the AC power adapters from their electrical outlets and wait 15 seconds, then plug them back in.

Base station circuit boards

Base Station Circuit Board Adjustments

1. Wired backup system switch - S2
2. DM2 select switch - S1
3. Record message switch - S1
4. Message repeater ON/OFF switch - S2
5. Speed team switch - S3
6. Vehicle detector override switch - S4
7. Channel selector - S3
8. System status switch - S2
9. System configuration switch - S1
10. Squelch adjustment - R90
11. "A" sidetone level - R56
12. "B" sidetone level - R70
13. Ceiling speaker "A" channel volume control - R112
14. Ceiling speaker vehicle present tone volume control - R83
15. Ceiling speaker inbound volume control - R84
16. Outside speaker volume control - R59
17. Line out level adjustment - R260
18. VAA level adjustment - R146
19. Outside speaker message volume control - R113
20. Transmit message volume control - R149
21. Ceiling speaker message volume control - R114
22. Inbound audio level adjustment - R74
23. VAA attenuation level adjustment - R55
24. Ceiling speaker "B" dual volume control - R1
25. Line in level adjustment - R20
26. Deviation adjustment - R29
27. "B" dual audio level adjustment - R57
28. Ceiling speaker "B" volume control - R58
29. Vehicle present tone level adjustment - R110
30. System configuration switches - S5, S6, S7, S8, S9

VI. SPECIFICATIONS

Base Station

Voltage input	16VAC $\pm$ 2.5V
AC current input	2.5A maximum
Audio distortion	5% maximum level
Outside speaker output	3 watts RMS into 8 ohms
Ceiling speaker power	3 watts RMS into 8 ohms
Controls/Switches	2-position vehicle detector switch (Normal - Override/Reset)
	2-position "Speed Team" ON/OFF switch
	2-position "Message Repeater" ON/OFF switch
	1-position "Record" switch
	4-position VAA and noise reduction DIP switch
	4-position RS485 bias/term DIP switch
	8-position DIP switches (3 ea)
	Outside speaker volume control
	Outside speaker Hi-Lo volume jumper
	"A" sidetone
	"B" sidetone
	Inbound volume control
	VAA level control
	Ceiling speaker volume control
	Transmit message volume control
	Vehicle present tone volume control
TX/RX frequency	Receive - 926.064MHz - 927.864MHz
	Transmit - 902.136MHz - 903.936MHz
Dimensions mm)	8.2"H x 14.2"W x 3.5"D (208 mm x 361 mm x 89 mm)
Weight	6.5 lbs (2.95 kg) maximum

HS500 Headset COMMUNICATOR®

Battery type	3.6V Lithium ion
Battery life	10 hours (typical)
Battery operating temperature	32°F - 104°F (0°C - 45°C)
RF frequency	Receive - 902.136MHz - 903.936MHz
	Transmit - 926.064MHz - 927.864MHz
Weight	4.7 oz (.133 kg) with battery
Controls	Power ON/OFF button
	Volume-up button
	Volume-down button
	"A1" button
	"A2" button
	"B" button
Indicator	Dual-color LED (red/green)

AC40 Battery Charger

Voltage input	16.5VAC
Number of charging ports	4
Number of storage ports	6
Charging time	2 hrs maximum
Dimensions	7.6" x 4.6" x 2.6" (193mm x 117mm x 66mm)
Weight	1.5 lb (.68 kg)
Indicators	4 red, 4 green, 4 yellow LEDs

VII. OPTIONAL EQUIPMENT

Equipment	Model Number
Headset COMMUNICATOR®	HS500
Battery for HS500	BAT40
Headset Earmuff	No model number
Ceiling Speaker	MM100
Ultrasonic Vehicle Detector	DU3
Vehicle Detector Board	VDB101A
Vehicle Detector Loop (underground)	VDL100
Message Repeater	MR300
Remote Display	R30
Low-Profile Speaker	SP2500LP
Microphone	DM3
Mode Switch (dual lane)	MS1000
Switcher Circuit Board	No model number
Extended Range Antenna	ANT10

VIII. FCC NOTICE

HME wireless radio frequency systems are type-accepted in the United States under Part 90 of the Federal Communications Commission (FCC) Code of Federal Regulations, and type-approved in Canada by Industry and Science Canada. Because licensing depends on the system's application, it is the user's responsibility to apply for a license from the FCC in the U.S. and its possessions, or from Industry and Science Canada in Canada and its territories. Licensing requirements vary from country to country. Contact your local licensing agency for specific requirements.

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 A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by HM Electronics, Inc. could void the users authority to operate this equipment.