COM900CC
COMMUNICATOR®

OPERATING INSTRUCTIONS

The COM900CC COMMUNICATOR® is a 900MHz receiver/transmitter designed to be used with the HME Wireless Drive-Thru Audio System 900. The Communicator is worn around the user's collar, and a lightweight headset plugs into a connector on the unit. Its simple, pushbutton operation with voice cues make the COM900CC especially user friendly.

These instructions provide detailed information for proper use of the COM900CC. Setup information for the audio system installer is in Appendix A.

Figure 1.   COM900CC COMMUNICATOR®

I.   COM900CC CONTROLS AND CONNECTORS

A.   Controls

Volume control button
Team-talk button
Customer-talk button

OFF button
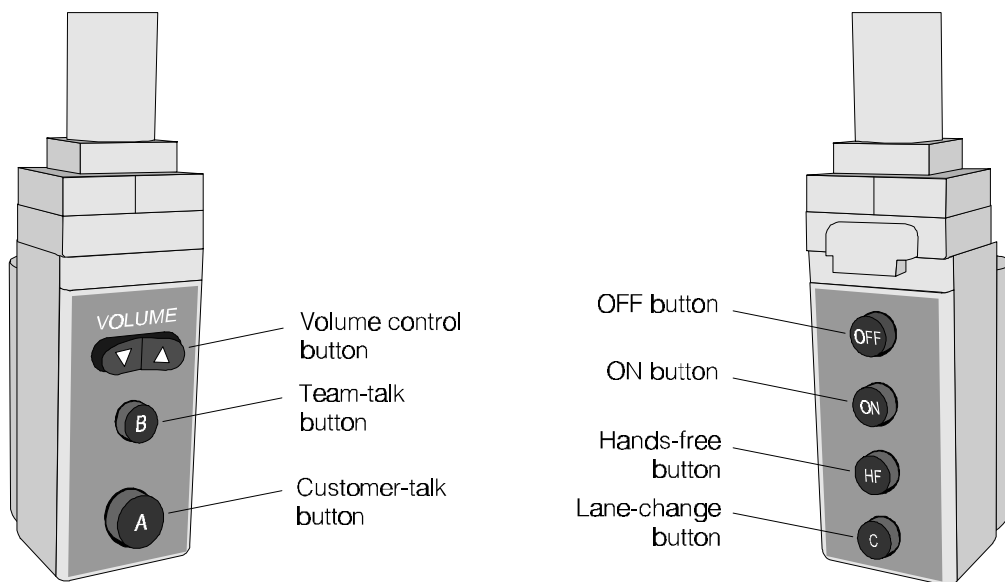ON button
Hands-free button
Lane-change button

Figure 2.   COM900CC control buttons

B. Connectors

Plug the headset cable connector into the cable connector on the COM900CC collar unit, as shown in Figure 3. Be careful to correctly match the positions of the pins inside the connector.
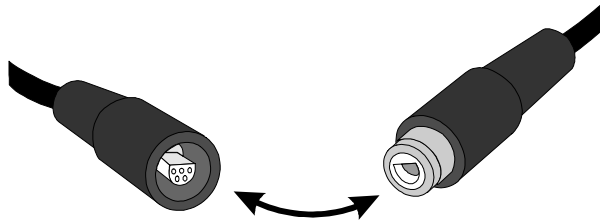

Figure 3.   Cable connectors showing matching pin positions

II.   WEARING THE COM900CC COMMUNICATOR®

! Place the Communicator collar unit around your neck and put the headset on your head as shown in Figure 4.

! Fasten the clothing clips to your collar as shown in Figure 4.

! Adjust the headset band so it rests comfortably on top of your head, with the microphone to the side of your mouth.
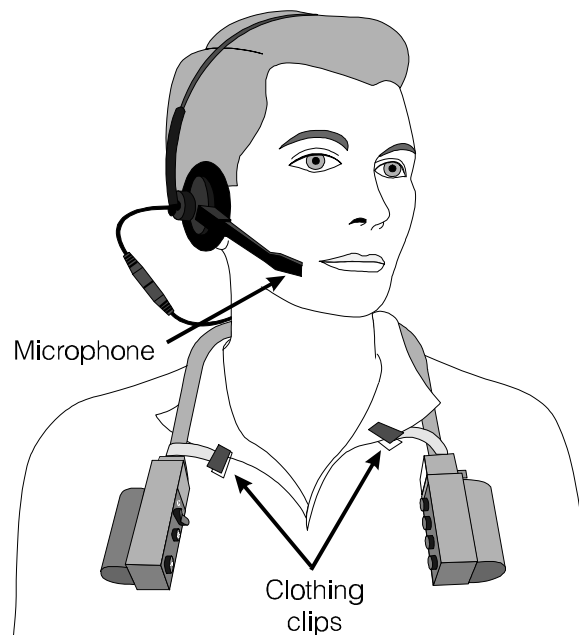

Figure 4.   Correct wearing of the COM900CC

III. OPERATING THE COM900CC COMMUNICATOR®

To operate the Communicator, use the control buttons shown in Figure 2 as follows:

! **Volume-control button** C Press the up-arrow ▲ side of the **VOLUME** button to increase headset volume. As the volume increases, you will hear a series of beeps in the headset earpiece, increasing in pitch as the volume increases. Press the down-arrow ▼ side of the button to decrease headset volume. As the volume decreases, you will hear a series of beeps in the headset earpiece, decreasing in pitch as the volume decreases.

! **(B) Team-talk button** C Press and hold button **B** to talk to other team members without the customer hearing your conversation. Release button **B** when you are finished.

! **(A) Customer-talk button** C If you are **not** operating in a hands-free mode, press and hold button **A** to talk to a customer. Release button **A** when you are finished. If you are operating in a hands-free mode, press and release button **A** to talk to a customer. Press and release button **A** again when you are finished.

! **OFF button** C Press and hold the **OFF** button for several seconds to turn the Communicator power off. You will hear "Power off" in the headset earpiece, just before the power goes off.

! **ON button** C Press the **ON** button to turn the Communicator power on. You will hear "Power on, Lane one (or two)" in the headset earpiece. The Communicator will come on in the same lane you were operating when it was last turned off.

! **(HF) Hands-free button** C Press and hold the **HF** button for two seconds to begin operating in the hands-free mode. You will hear "Hands free on" in the headset earpiece. Press and hold the **HF** button for two seconds again to stop operating in the hands-free mode. You will hear "Hands free off" in the headset earpiece.

! **(C) Lane-change button** C Press and release the **C** button to change drive-thru lane operation. If your system is set up for dual-lane operation, you will hear "Lane one" or "Lane two" in the headset earpiece.

IV. CHARGING THE BATTERIES

If the Communicator battery is weak, and requires changing, you will hear "Low battery" in the headset earpiece. When this happens, remove and replace the battery from the Communicator according to the instructions shown in Figure 5. Place the battery in the AC900 Battery Charger for recharging. Battery charging takes approximately 2 hours and 20 minutes.
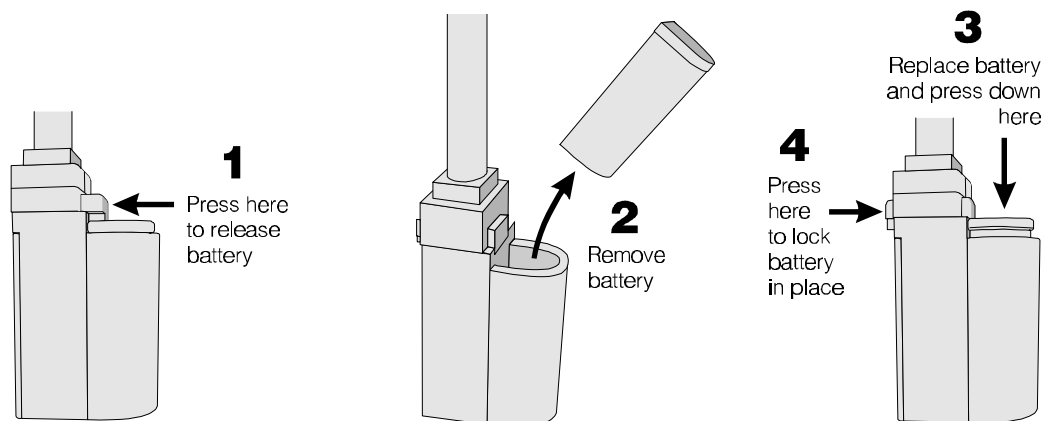

Figure 5.   Remove and replace Communicator battery

V. IN CASE OF PROBLEMS

If you have any problem with operation of the COM900CC COMMUNICATOR®, first refer to the troubleshooting checklist in your System 900 Operating Instructions. If you still have a problem with the COM900CC, call HME at 1-800-848-4468.

VI. SPECIFICATIONS

1.	Battery voltage	1.25 (nominal)
2.	Battery life	8 hours
3.	RF frequency	Receive **C** 902-928 MHz
		Transmit **C** 902-928 MHz
4.	Weight	12 ounces

VII. FCC NOTICE

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.

APPENDIX A   **C**   INSTALLER SETUP

1. Charge batteries:

Before using the COM900CC COMMUNICATOR®, place the batteries in the AC900 Battery Charger and let them charge until the green, **Ready** lights go on (approximately 2 hours and 20 minutes).

2. Reset the COM900CC:

With a fully charged battery in the Communicator, reset the unit to system configuration default settings as follows.

!   With the Communicator off, press and hold A + B + C buttons, then press ON.
!   Release.
!   Press C twice within 5 seconds.
     You will hear "Reset" in the headset, then "Power On, Lane X."

3. Set channel frequency:

Set the Communicator frequency as follows, to be certain it is the same as the audio system base station frequency.

!   With the Communicator off, press and hold A + C buttons while pressing ON.
!   Release.
     You will hear "Channel X" in the headset, telling you the frequency of the Communicator. Refer to the tables on the following page. To change the frequency, press the volume control up ▲ or down ▼ until you reach the desired frequency. Press the A button to save the channel and exit. You will hear "Channel X saved, power on, lane X."

4. Check system status:

!   Press the ON button to turn the Communicator power on. With the Communicator on, press and hold the ON button again, while you press and hold the A button for 2 seconds.
!   Release the ON and A buttons after the status report begins.
     You will hear the following system status information in the headset:
     "Single lane" or "Dual lane," "Lane one" or "Lane two" for dual lane configurations, "Channel X" for the Communicator frequency (refer to Frequency Selection Table on next page), "Handsfree on" or "Handsfree off," "VOX on" or "VOX off," "On channel" or "Off channel" or "Low channel," "PLL on" or "PLL off," and the firmware version.

5. Single/Dual-lane operation:

!   To set the Communicator for single-lane operation; with the Communicator off, press and hold the A button while pressing ON. You will hear "Single lane" then "Power on, lane X."
!   To set the Communicator for dual-lane operation; with the Communicator off, press and hold the C button while pressing ON. You will hear "Dual lane" then "Power on, lane X."

6. Power off:

To turn the Communicator power off, press and hold the OFF button for several seconds. You will hear "Power off" in the headset earpiece just before the power goes off.

Frequency selection table:

Single-Lane or Dual-Lane 1 Frequencies			Dual-Lane 2 Frequencies (If set for Dual-Lane Mode)		
Channel Number	Receive Frequency	Transmit Frequency	Channel Number	Receive Frequency	Transmit Frequency
1	902.30	926.30	1	903.10	927.10
2	902.40	926.40	2	903.20	927.20
3	902.50	926.50	3	903.30	927.30
4	902.60	926.60	4	903.40	927.40
5	902.70	926.70	5	903.50	927.50
6	902.80	926.80	6	903.60	927.60
7	902.90	926.90	7	903.70	927.70
8	903.00	927.00	8	903.80	927.80

NOTE: In dual-lane operation, dual-lane 1 frequencies are programmable. Dual-lane 2 frequencies are not programmable, but occur automatically when lane 1 frequencies are programmed.