



# Installation Instructions

## Automatic Audio-Level Control Module

78-6911-4402-2

### **Purpose:**

To automatically control the audio level to the menu sign to remain above the level of existing background noise (such as highway and road noise, muffler and engine noise), and to reduce the audio level during quiet times of the day so neighbors are not disturbed.

The automatic audio-level control module works in conjunction with most dynamic microphone and speaker assemblies. It samples outside ambient noise and automatically amplifies the audio signal to the speaker. This enables the customer to hear the sound from the speaker clearly even when background noise levels increase.

### **Kit Contents:**

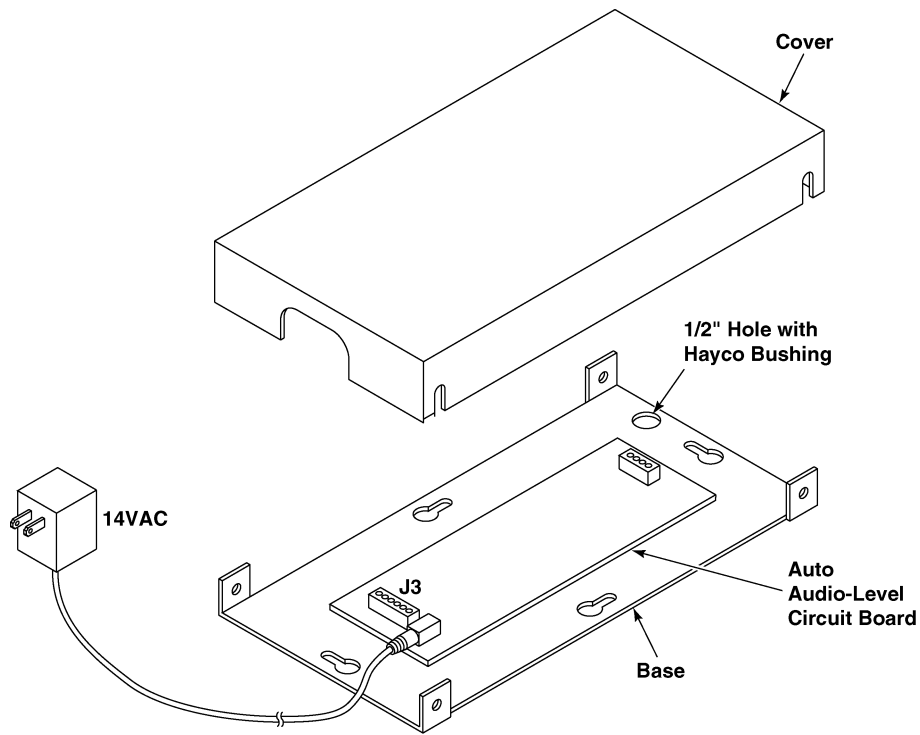
- Automatic Audio-Level Control Module
- Installation Instructions

### **Procedure:**

#### **Mounting the Control Module (refer to Figure 1):**

Mount the automatic audio-level control module close to the base station. The module can be mounted horizontally or vertically, depending on the space that is available.

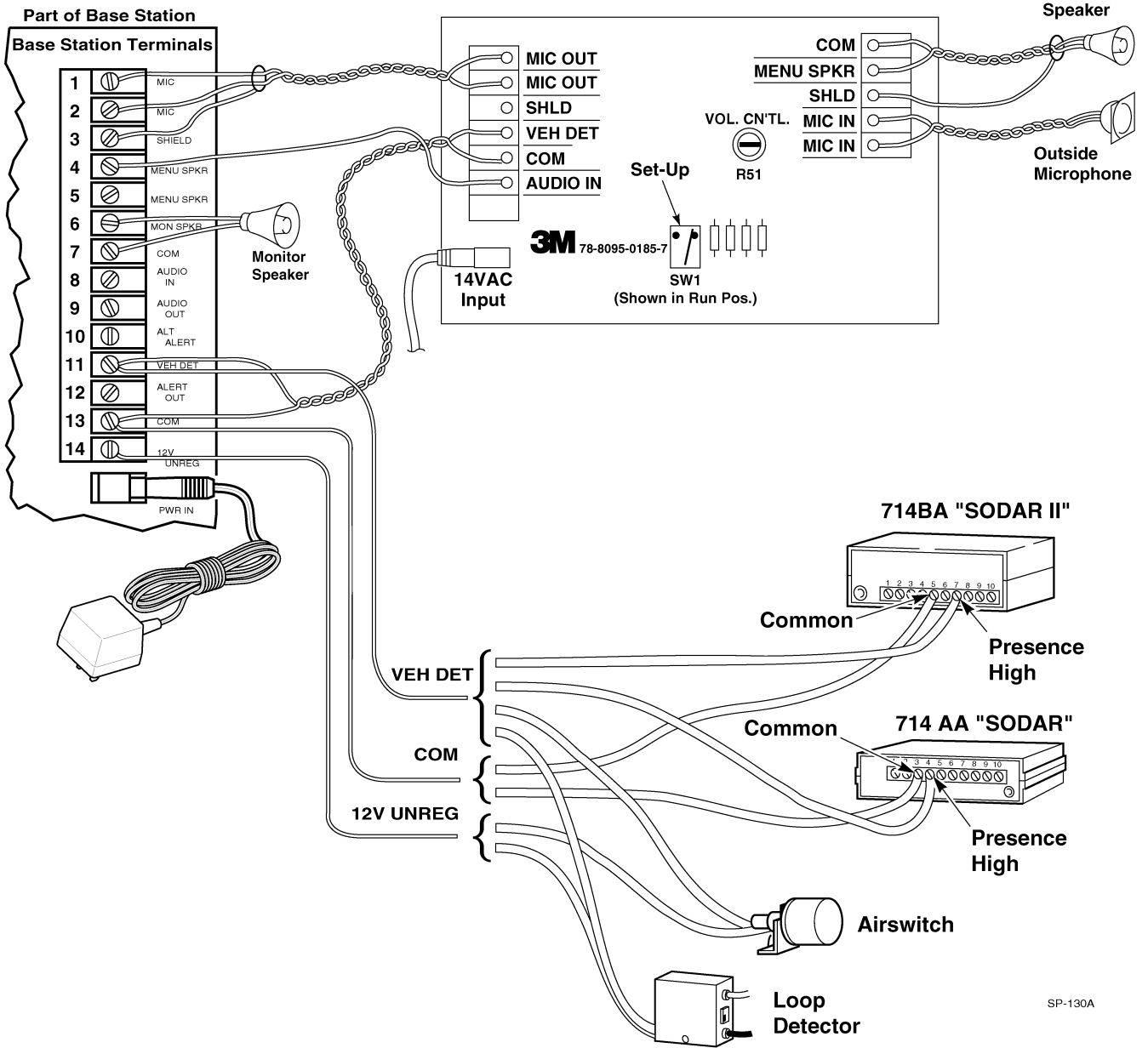
*IMPORTANT: Use the 2-foot length of 3-pair cable to connect the module to the base station. If the module will be mounted more than 2 feet from the base station, use an appropriate length of shielded mic cable. The two units should be mounted close together - no more than 5 feet apart.*



**Figure 1. Removing the Automatic Audio-Level Control Module Cover**

**Cable/Wiring Connections (refer to Figures 2 and 3):**

1. Remove the cover from the automatic audio-level control module.
2. For systems **without** an interconnect module, make the connections shown in Figure 2. For systems **with** an interconnect module, make the connections shown in Figure 3.



**Figure 2. Direct Connections (Without Interconnect Module)**

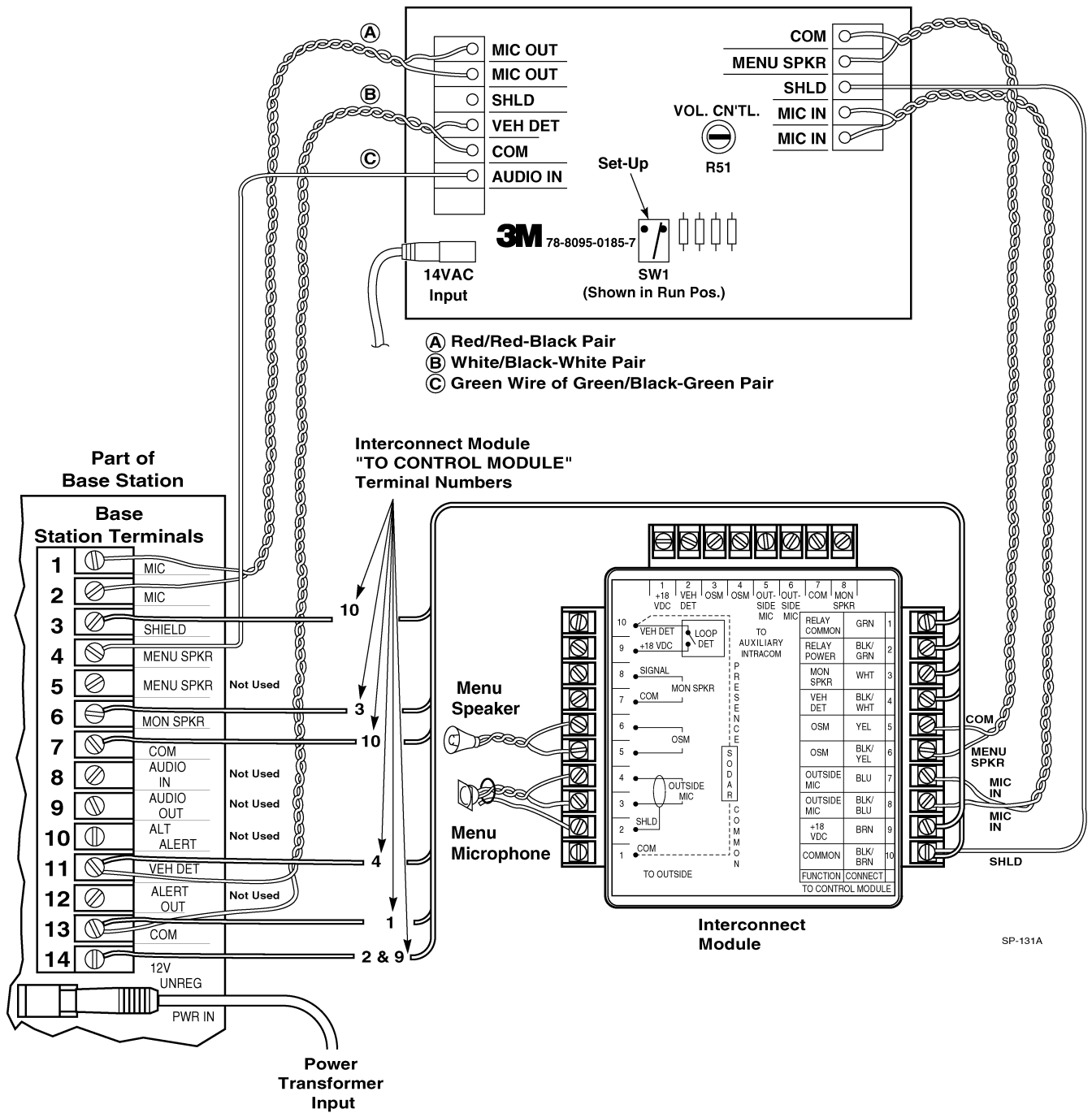
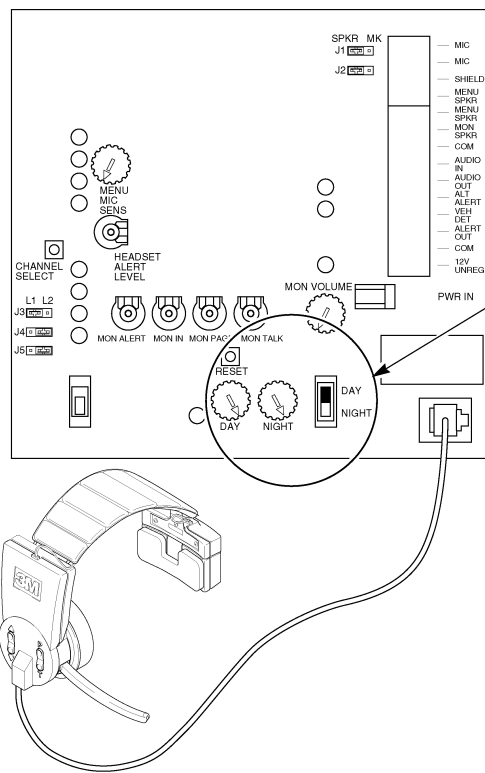
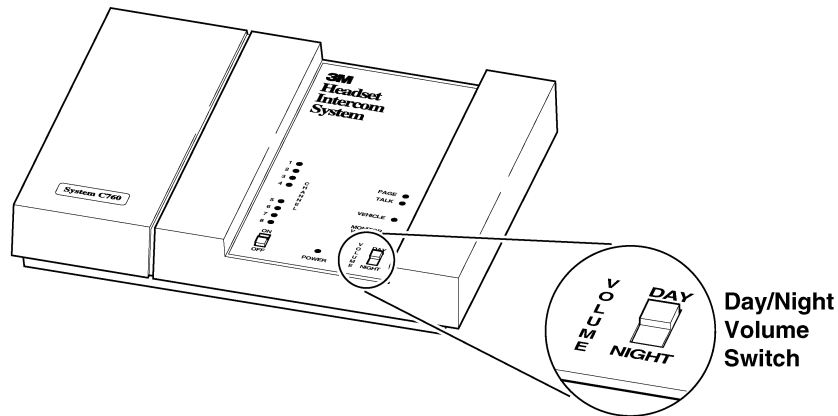


Figure 3. Interconnect Module Connections

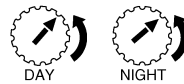
**Base Station Setup Procedure (refer to Figure 4):**

1. Turn on power to the Base Station
2. Set the DAY/NIGHT Switch to the DAY position.
3. Set the DAY and NIGHT volume controls to their fully counterclockwise (CCW) positions. Then rotate each control 90° clockwise (CW).

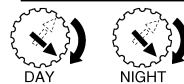


**Day/Night Menu Sign Audio Level Switch and Level Controls**

**Turn fully CCW:**



**Then turn 90° CW:**



**NOTE:** The positions shown here are for reference only. Actual positions may vary due to assembly procedures.

**Figure 4. Base Station Setup Switch Positions**

## Automatic Audio-Level Control Module Setup Procedure (refer to Figure 5):

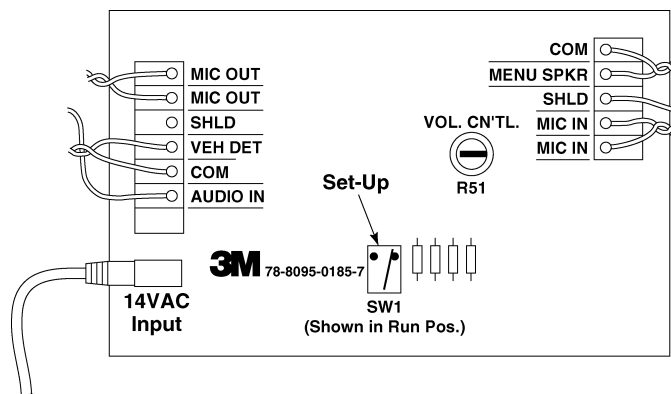
1. Connect the plug from the 14 VAC Power Supply Transformer to the jack on the Automatic Audio-Level Control Board. Plug the transformer into a 120 VAC outlet.

|   |
|---|
| <b>⚠ Caution</b>  |
| The 14 VAC Power Supply Transformer is designed to power only the Automatic Audio-Level Control Board. <b>DO NOT</b> connect the 14 VAC Power Supply Transformer to the Base Station. The Base Station requires a DC supply voltage. AC voltage will damage the Base Station circuit board. |

2. Set Switch SW-1 to the left (SETUP) position.
3. Adjust the volume control (R-51) until the audio at the menu sign/post is at the maximum, undistorted level.
4. Set Switch SW-1 back to the RUN position.
5. Test the menu sign audio (Talk Volume Level). If the volume is too low, readjust the volume control (R-51).

For duplex operation, adjust audio levels at the base station with the headset volume control two levels lower than the maximum setting.

6. Adjust the MENU MIC SENSITIVITY potentiometer on the Base Station for sufficient inbound audio level.
7. Reinstall the cover on the Automatic Audio-Level Control Module.
8. Secure the power supply cord to the cable clamp on the cover.



**Figure 5. Automatic Audio-Level Control Module Setup Switches and Controls**