3M
Installation Instructions
Cross-Lane System
78-6911-4396-6

Description

The Cross-Lane System is designed for facilities that have two menu signs. It consists of two system C960 base stations that are connected to a Cross–Lane Module. A Cross–Lane Module is a five–pole switch that allows the two systems to be separated during hours of peak activity. The Cross-Lane System can be used with C760, C860, C960, and C1060 headsets. The C760 headset may require additional equipment.

A Cross–Lane Module can be useful if the manager wishes to operate each lane with a separate crew during periods of peak activity. This is accomplished by turning the Cross–Lane switch **OFF**. By pressing the **T1** button on any headset, the operator can communicate with a customer at menu sign 1. By pressing the **T2** button on any headset, another operator can communicate with a customer at menu sign 2. When the Cross–Lane Module is **OFF**, the operator will only hear the vehicle detector alert from the menu sign with which he or she last talked.

During periods of lower activity, the Cross–Lane Module is turned **ON**, allowing one headset order–taker to operate both lanes. When the Cross–Lane Module is turned **ON**, the operator will always hear vehicle detector alerts from both menu signs. A single alert indicates a vehicle is a menu sign 1, while a double alert indicates a vehicle is at menu sign 2.

Additional Material Required

- A sufficient length of two-conductor 20 AWG twisted pair shielded audio cable (not supplied) for connecting the Cross-Lane Module to the two base stations

- Applicable screws/fasteners (not supplied) for mounting the Cross-Lane Module

Installation
Wiring the System:

1. Use the applicable screws/fasteners and mount the Cross-Lane Module to the wall in a convenient location next to one of the base stations.
   ### Note
   To ensure access to the switch on the Cross-Lane Module, locate the module near one of the base stations.

2. Run a length of two-conductor 20 AWG twisted pair shielded audio cable between the Cross-Lane Module and the nearest base station.

3. Run a length of two-conductor 20 AWG twisted pair shielded audio cable between the Cross-Lane Module and the other base station.

4. Connect the cables from the module to the base stations as shown in Figure 1.

Important!
Both Base stations must be set to the same channel number and different lane numbers.

Important!
Base station models C921 and earlier must be mounted <u>at least</u> 25 feet apart. Base station models C922 may be mounted as close as 2 feet apart. Test the system prior to installation by placing the base stations in the desired locations. Set Jumpers and program the headsets. Insure that the talk L.E.D. on the proper base station lights when the appropriate (T1 or T2) button on the headset is pressed.
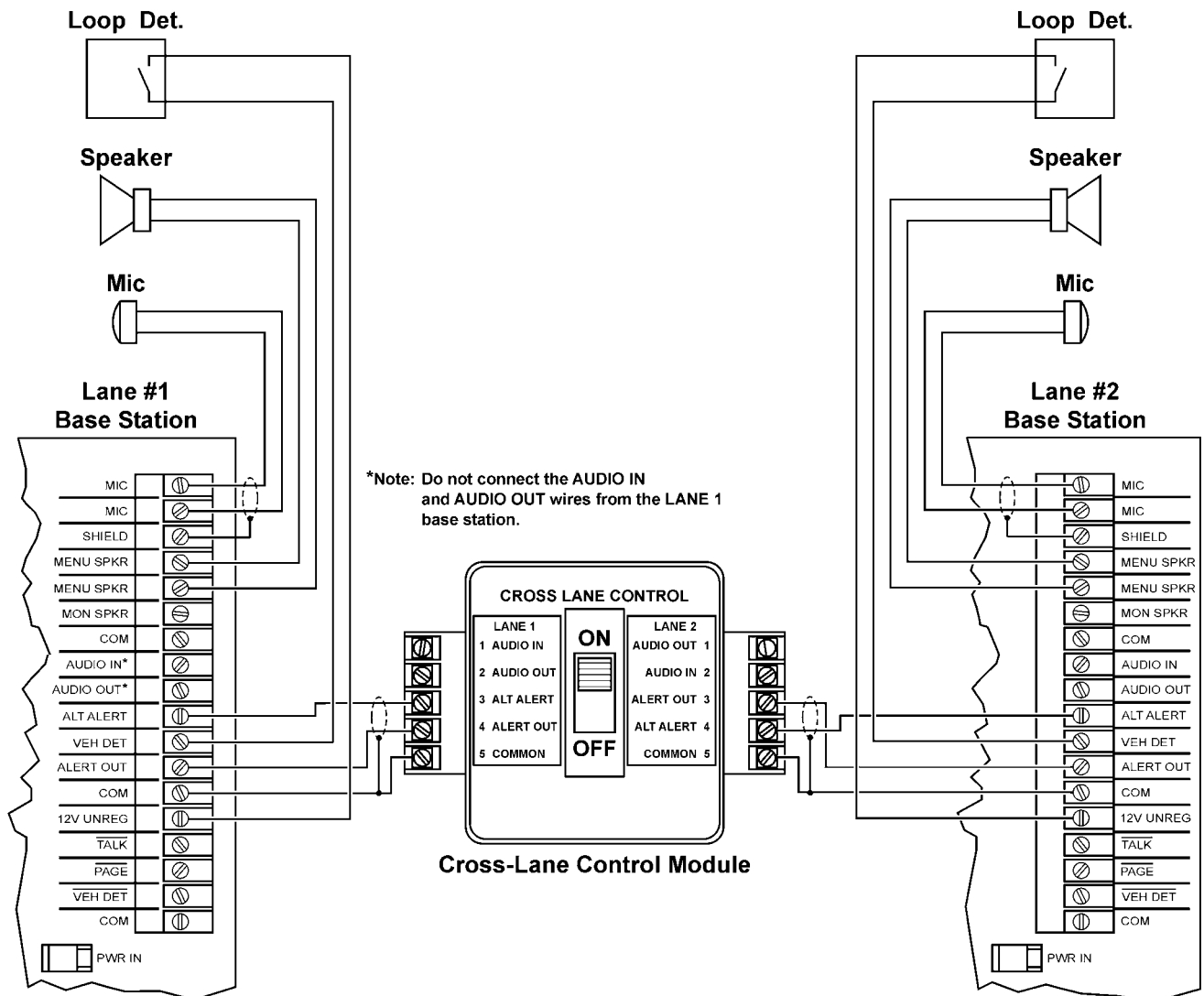
Figure 1

Programming the Headsets for Cross–Lane Operation

Follow the steps below to program the headsets for Cross–Lane operation, and disable the Talk—Lock function. It does not matter which base station is used to program the headsets. By pressing **T1**, the headset will communicate with the lane 1 base station; by pressing **T2**, the headset will communicate with lane 2 base station.

1. **Disable the Talk Lock function (Recommended):**

Talk–Lock is a toggle function that must be checked first to see if it is enabled or disabled. If the Talk LED on the base station lights when the **L** button is pressed, Talk–Lock is enabled.

- To disable Talk–Lock, turn the headset **OFF**, press and hold the L button while pressing **ON** for 5 seconds. You will hear a series of beeps indicating that Talk–Lock is off.

- Recheck the Talk–Lock function by pressing the **L** (talk-lock) button. The Talk LED on the base station should not light.

2. **Programming the headsets for Cross–Lane Operation:**

a. Start with the headset **OFF**. Then, hold down the **T1** and **T2** buttons while pressing **ON** for 5 seconds. You will hear a series of beeps indicating that the headset has been programmed.

b. Verify that the headsets are properly programmed for Cross–Lane operation as follows:

(1) Press **T1** and verify that the Talk LED lights on the lane 1 base station and does not light on the lane 2 base station.

(2) Press **T2** and verify that the Talk LED lights on the lane 2 base station and does not light on the lane 1 base station.

c. To remove the Cross–Lane function and return the headsets to the normal (single lane) operating mode, first turn the headset **OFF**, and then do one of the following operations:

- **For lane 1 operation only,** hold down **T1** while pressing **ON** for 5 seconds. You will hear a series of beeps indicating that Cross–Lane function is no longer active. Reprogram the headsets from the lane 1 base station if you want to communicate with lane 1.

- **For lane 2 operation only,** hold down **T2** while pressing **ON** for 5 seconds. You will hear a series of beeps indicating that Cross–Lane function is no longer active. Reprogram the headsets from the lane 2 base station if you want to communicate with lane 2.

Operation

Cross–Lane Module OFF:

Vehicle detector alerts
The operator will only hear the vehicle detector alert from the menu sign with which he or she last talked. Vehicles at menu sign 1 will be heard as a single repeating alert. Vehicles at menu sign 2 will be heard as a double repeating alert.

Answering customers
Pressing **T1** will only allow communications with the lane 1 customer. Pressing **T2** will only allow communication with the lane 2 customer.

Paging function
Pressing the **P** (Page) button will communicate using the base station last communicated with (via **T1** or **T2**). Headsets programmed for the last used base station will receive the page.

Cross–Lane Module ON:

Vehicle detector alerts
The operator will always hear both vehicle detector alerts. Vehicles at menu sign 1 will be heard as a single repeating alert. Vehicles at menu sign 2 will be heard as a double repeating alert.

Answering customers
Pressing **T1** will only allow communications with the lane 1 customer. Pressing **T2** will only allow communication with the lane 2 customer.

Paging function
Pressing the **P** (Page) button will communicate using the base station last communicated with (via **T1** or **T2**). Headsets programmed for the last used base station will receive the page.

Notes:

1. **Both vehicle alert tones will be heard at all times with the Cross–Lane Module ON.**

   The order–taker may object to hearing the vehicle alert from the other lane while taking an order, if so, we suggest you decrease ALERT TONE LEVEL on each base station so that it is audible in the headsets but not objectionable.

2. **Listening and Paging in a Cross–Lane system.**

   The **T1** and **T2** buttons control which menu sign to talk or listen to. They also control which headsets to Page to. If a cook or cashier needs to monitor both lanes follow the suggestions below:

   • The cook/cashier can press T1 when they hear a single alert tone or, they can press T2 when they hear a double alert tone.

   • Paging function:

      a. When order-taker Pages cook/cashier: If cook/cashier is listening on lane 2, order-taker must press T2 then Page cook/cashier.

      b. When cook/cashier Pages order-taker: If order-taker is listening on lane 2, cook/cashier must press T2 then Page order-taker.

   • A monitor speaker from each base station may be installed in the kitchen.

CAUTION!
Monitor speakers are generally not recommended for duplex systems using base stations earlier than Model C921BA. The speaker location and volume are usually too critical to avoid feedback. C921BA base stations and later can usually be configured successfully to allow operation of monitor speakers.