

T7400

Guest Paging System

By:



Long Range Systems, Inc.

9855 Chartwell Dr., Dallas, TX 75243

1-800-437-4996

V6.21 and later

User Manual
With
Installation, Warranty and Service Information
Rev 3 November 2004

WARRANTY

Long Range Systems, Inc. warrants this product against any defects that are due to faulty material or workmanship for a two-year period after the original date of consumer purchase. This warranty does not include damage to the product resulting from accident, misuse or improper electrical connection. If this product should become defective within the warranty period, we will repair or replace with equivalent product, free of charge. We will return your product, transportation charges prepaid standard UPS Ground shipping mode, provided the product is shipped prepaid to:

Long Range Systems, Inc., 9855 Chartwell, Dallas, TX 75243.

No return or replacement can be received without prior authorization and the proper RMA# posted to the outside of the shipping container.

This warranty gives you specific legal rights and you may also have rights that vary from state to state.

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EU DECLARATION OF CONFORMITY

We, **Long Range Systems** hereby declare under our sole responsibility that the T7400 paging transmitters and on-site pagers comply with the essential requirements in the European RE&TTE Directive 1999/5/EC of the European Parliament of the Council of 9 March 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity. The following standards were utilized:

ETS 300 224: 1998

EN61000-3-2: 1998

EN 60950: 1992 with A1, A2, & A3.

EN 301 489-2: 2002

EN 61000-3-3: 1995

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LONG RANGE SYSTEMS

Long Range Systems On-Premise Paging Solutions are cutting edge products with first rate service to satisfy customer needs for years to come. Thorough familiarity with these instructions and procedures will ensure proper operation and maintenance of the system. Assistance is always available for any Long Range product by calling

(800) 437-4996

Please don't hesitate to call with any questions.

NOTE: This guide should be kept readily available for managers and key staff.

GENERAL INFORMATION

The Page Master is an on-premise system used to increase throughput efficiency by alerting patrons of the availability of services. Additional staff paging capabilities can alert management of immediate needs. The pagers used with the system can vibrate, beep and display messages. The T7400 Paging System is used to page **Coaster Call** and **AdverTeaser** guest pagers, **Star Pager** and **Alphanumeric** staff pagers.

Notice: Operation is subject to the following:

- This device may not cause interference
- This device will accept any interference including interference that may cause undesired operation of the unit.

Notice: To reduce potential radio interference to other users, the antenna type and gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than required for successful communication.



INSTALLATION AND SETUP

Hardware Provided

The system contains the transmitter keypad, an instruction booklet, an antenna, a strip of Velcro, rubber feet, and a 9-Vac power adapter.

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- This device will accept any interference including interference that may cause undesired operation of the unit.

Notice: To reduce potential radio interference to other users, the antenna type and gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than required for successful communication.

Installation Procedure

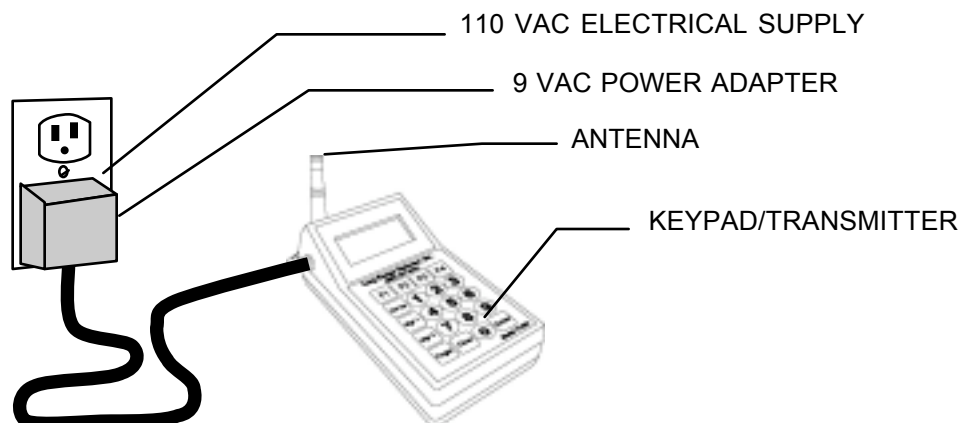
The following is the basic installation procedure

CAUTION: Do not mount the transmitter antenna near any large metal objects.

1. Unwrap all controller components.
2. Twist the antenna (about 3" long) onto silver connector on top of the controller.
3. Plug the power adapter into a standard 110V outlet and the barrel connector end into one of the side holes.
4. The systems are shipped set for the most general use. If you have specific changes, refer to the table of contents to locate the particular programming section.
5. Upon completion of setup make sure pagers are fully charged and/or have good batteries and are powered on.
6. You should perform a **range test** (page 15) to see if they can be paged in all locations of your facility.

Electrical Connections

The following diagram shows the electrical connections.



Keypad Description

Before you begin programming the keypad, read the following keypad descriptions. As the display changes, the keys may perform different functions.

F Keys

The F (function) keys are the first row of keys under the display. The F1, F2, F3, and F4 keys correspond to the bottom row of text in the keypad display window.

Number Keys

The number keys 1 through 0 are used to enter data such as the pager number.

Setup Key

The **Setup** key is used to enable menus when changing the transmitter programming.

Mgr 1, Mgr 2, and Pager Keys

The Mgr1, Mgr2, and Pager keys are used to page a manager pager. The Mgr1 and Mgr2 keys can be assigned to a specific pager.

Staff (Pager) Key

The **Staff** key is used to temporarily change the paging function to page Staff pagers.

Clear Key

The **Clear** key is used to clear the input when paging a pager or coaster and return to the Guest paging display or to restart an input when programming.

Enter Key

The **Enter** key is used to start the paging function, and to complete programming where required.

Initial Power Up and Time Set

1. After the transmitter initializes the time set menu is shown. Enter the current time and press the **<Enter>** key. (**NOTE:** Pressing **F1** (EXIT) bypasses this function and sets the time to 12:00am).
2. When the display asks for AM or PM press the **F1** Key for AM or the **F4** key for PM. (Note that AM is right above the F1 key and PM is right above the F4 key). The display changes to the guest menu with the time shown

BASIC PAGING OPERATION GUIDE

The following are the most commonly used procedures for paging.

Wake Up Coaster/Pagers Remove rechargeable guest or staff pagers from their charger and be sure any battery operated pagers are turned on.

Page Guest Pagers Enter the number you assigned to the guest at handout and press **Enter**. **Note:** be sure to put pagers back on charge when returned.

Page Individual Staff Pagers:

1. Press the **Staff** button.
2. Enter the pager number and press **Enter**.
3. At the Select Page Mode screen.
 - Press V1, V2, or V3 to send 1, 2, or 3 vibrations to the pager.
 - Enter a numeric message for battery powered pagers and press.
 - Select an alpha message for battery powered pagers and press **Enter** (**Note** a list of canned messages is shown on page 5.)

Page Manager Pagers If Manager Pagers are Assigned, **MGR1** and **MGR2** page those assigned pagers.

1. Press the **MGR1** or **MGR2** button
2. At the Select Page Mode screen.
 - Press V1, V2, or V3 to send 1, 2, or 3 vibrations to the pager.
 - Enter a numeric message for battery powered pagers and press.
 - Select an alpha message for battery powered pagers and press **Enter** (**Note** a list of canned messages is shown on page 5.).

Page All Staff (if all battery operated staff pagers need to be called at once)

1. Press **Staff**.
2. Press **9 1 1** then **Enter**.
3. At MSG enter any desired message.
4. Press **Enter**.

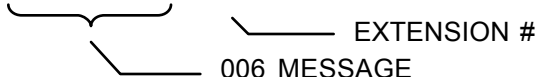
Page All Call (if all guest and rechargeable staff pagers need to be called at once)

- Press **000** then **Enter**.
- At Page All? press **YES** (F1).

Pre-canned or Special Alpha-Messages

When prompted by the T74-series transmitter for a message, enter the code and a numeric extension before pressing the Enter key (refer to the following chart).

Example: To send a message to call extension 123, enter the code 006123. The pager will show CALL EXT 123.



Note: These messages are built into the transmitter when using Alpha pagers. Additional messages can be programmed into the keypad (see Feature Setup procedures page 13).

Pre Loaded Messages

Code	Message	Code	Message	Code	Message
000	Phone Call	026	Price check	052	Food
001	Sale Call	027	Department	053	Service
002	Manager	028	Cashier	054	Seat
003	Customer	029	Office	055	Check
004	Room	030	Table	056	Lobby
005	Visitor	031	Winner	057	Help
006	call Ext	032	Pickup	058	Restrm
007	MTG Room	033	Dock	059	Valet
008	Lane	034	You have mail	060	Car
009	Isle	035	Table ready	061	Bus
010	Void	036	No Special	062	Bay
011	Stamps	037	Hole	063	Lo batt
012	Change	038	Kitchen	064	error
013	Station	039	Bar	065	Exit
014	Machine	040	Door	066	Fax
015	operator	041	Survey	067	Host
016	Emergency	042	T-xxx Q-xx	068	Space
017	XX Minutes	043	Break xxxxx	069	Location
018	Tee	044	Fire	070	Nursery
019	Pro Shop	045	Unit	071	Teller
020	Starter	046	Window	072	Office
021	Service Drive	047	Nurse	073	Buffet
022	Showroom	048	Register	074	Diap chng
023	Parked Call	049	Owner	075	Child cry
024	Voice Mail	050	Check	076	To nursery
025	Dressing RM	051	Drink		

SPECIAL OPERATIONAL PROCEDURES

The procedures in this section are additions to the basic paging functions. The descriptions are listed in the order they appear on the menus.

Wait List Function

This feature allows the host to accurately inform guests as to their wait time. In order to get accurate readings, the keypad must know when coasters are handed out to the guests. This feature does not require an authorization code.

Basic Concept

Wait time is determined by the number of coasters handed out multiplied by the Wait/Party setting. **Example,**

- The wait per party default is 2 minutes
- After coasters are given to 10 parties the keypad would indicate a wait time of 20 minutes.
- The Wait/Party is programmable so if you feel you are turning tables faster than 2 minutes, you can enter your new value into the Wait/Party setting and the keypad will begin using the new value.

Enabling, Clearing, and Adjusting the Function

After some use the wait time may be adjusted to fit the needs of your restaurant.

1. Press **SETUP**
2. Press "1" for "**Set Wait List**"
3. At the **Wait List Option** menu (at right) press:
 - **1** to clear the wait list for a new day.
 - **2** to turn wait list ON or OFF using the **F1** (ON) and **F2** (OFF).
 - **3** to set the average wait time expected for each party.

1:Clear Wait List
2:Wait ON/OFF
3:Set Wait/Party
MORE HELP

Using the Wait List function

Note: before each shift, always clear the wait time. The wait time is not available because coasters have not yet been given out. To use the feature:

1. Clear the previous night's wait list (see procedure above).
2. Be sure the wait list function is enabled (When Wait Timer is on, "Wait Time = N/A" is displayed under the guest prompt).
3. When the coaster/pager is given out, enter the coaster/pager number then press the **HANDOUT** (F1) button. This automatically adds the amount of wait time set to the display for the host to use.
4. When the Guest's table is available enter the pager number followed by **Enter**. This automatically reduces the wait time on the display.

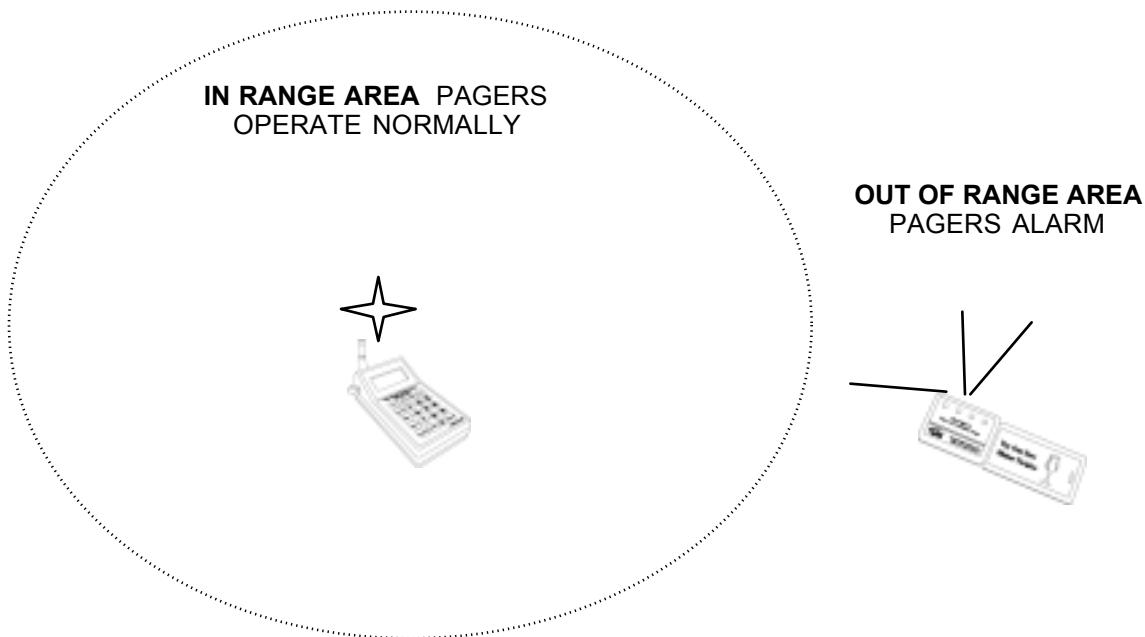
Theft-Deterrent Function

Theft deterrent is used to alert staff and guests that they are leaving the premises while still carrying the pager. When used, the transmitter sends a signal that the coaster/pager must receive or it will alarm. If the pager is taken out of range (off premises) and can not receive this signal it will emit an annoying beep. A "T" in the upper left corner of the display indicates the Theft-Deterrent Mode is ON. The factory default is OFF. To turn Theft-Deterrent Mode ON or OFF:

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- ❑ This device may not cause interference
- ❑ This device will accept any interference including interference that may cause undesired operation of the unit.

Notice: To reduce potential radio interference to other users, the antenna type and gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than required for successful communication.



1. Press **SETUP** to enable the function menu.
2. Press **3** to select Theft Deterrent.
3. Press **F1** (ON), **F2** (OFF), F3 for HELP and "F4" for Exit.

Locating Misplaced Pagers

Two location modes are available for finding lost or misplaced pagers/coasters. Auto Locate automatically searches at a preset time, Run Locate searches on demand.

Auto Locate

Auto Locate sends out a signal to **ALL** coasters/pagers at a preset time. **For example**, If you close at 11:30PM, the keypad can automatically send out a signal at 12:30AM that will cause all missing coasters to start beeping. Then the staff will be able to locate the beeping guest pagers. To program Auto Locate;

1. Press **SETUP**
2. Press "MORE" (**F1**) until asked for the authorization code.
3. Type **5-6-7-8-9**
4. Repeatedly press **F1** until you see "**Prog Auto Loc**" on the menu.
5. Now press the number that corresponds to the feature.
6. The Screen will show if AUTO Locate is on or off
 - Press **F2** to turn the function OFF and the unit returns to the guest menu.
 - Press **F1** to turn the function ON
7. If turning the function ON:
 - Press **F4** (EXIT). The display asks for the time to start the function.
 - Enter the time and press the **ENTER** key.
 - Press **F1** (AM) or **F4** (PM) and the unit returns to the guest menu.

Run Locate

Run Locate sends out a signal to **ALL** coasters/pagers when required. This Mode causes **ALL** coasters to Beep or Flash. This mode is useful when you are closed and would like to locate any misplaced coasters around your restaurant. To locate ALL coasters:

1. Press **SETUP**
2. Press "MORE" (**F1**) until you are asked for the authorization code.
3. Now type 5-6-7-8-9
4. Repeatedly press F1 until you see "**Run LOCATE**" on the menu.
5. Now press the number that corresponds to the feature. The display will show that the MODE of the coaster/pager is either flash or beep.
6. Press:
 - F1** (GO) to start locating (if the mode is already set).
 - F2** (MODE) to set the unit to beep (1) or flash (2) then press **F1** (GO) to start locating.

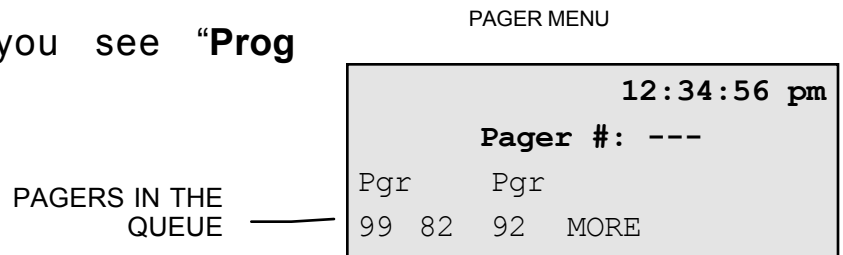
Tracking

This lets the host see which coaster or pager has been paged and keeps paging the user until it is returned and that number is cleared.

Caution: When in this mode, the keypad constantly tries to re-page coasters. The number **MUST** be cleared when the coaster is returned or you will have angry guests with coasters that keep flashing

To turn Tracking on (or off):

1. Press **SETUP**
2. Press "MORE" (**F1**) until asked for the authorization code.
3. Type **5-6-7-8-9**
4. Repeatedly press **F1** until you see "**Prog Tracking**" on the menu.
5. Press **F1** (ON) (or **F2** (OFF))



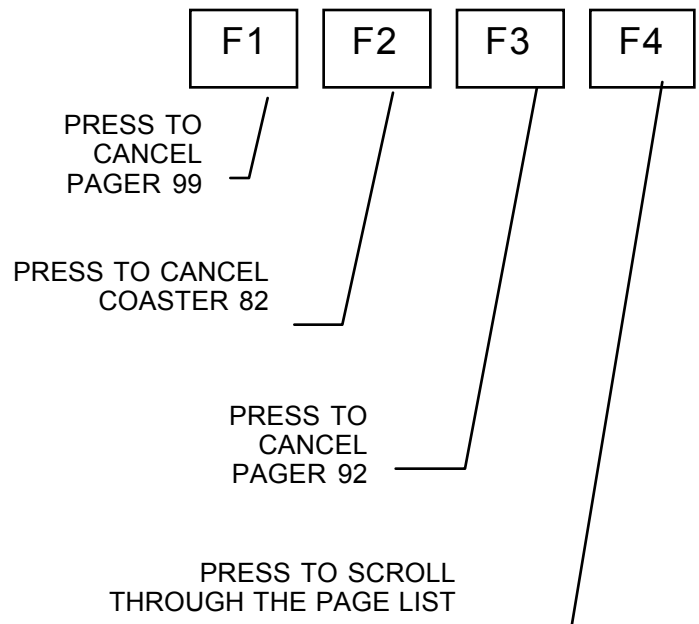
To Use Tracking

Page the coaster or pager in the normal manner.

- ❑ The pager number will appear at the bottom of the screen
- ❑ As long as the number is at the bottom of the screen the pager is being paged.

Clear the Page by pressing the F1, F2 or F3 key under the pager number shown on the display when the pager is returned,

- ❑ If more than 3 pagers are in the queue the MORE will be shown at the right of the display.
- ❑ Press the F4 (MORE) key to see the rest of the list.



FEATURE SETUP PROCEDURES

After using the system a while it may be desirable to change some of the default settings to be more attuned to your use. The following procedures will help you find the perfect settings for your place.

User's Access Code

Many of the functions that adjust paging preferences are protected by an access code.

- To reduce tampering with critical settings the keypad is password protected
- The access code 56789 allows you to enter most restricted programming screens.
- Press **F4** at any menu to return to the Guest menu.

Set Page Mode

This allows you to program how you would like the coasters and manager pagers to be paged. You can have the coasters flash, beep, glow, flash and beep, etc. All page modes are programmable by the staff and do not require an authorization code. To set the modes:

1. Press **SETUP**.
2. Press **2** (Set Page Mode).
3. Select **1** (Guest Pager) or **2** (Manager Pager)

Guest

Select **1** (non Voice mode) then select:

- Flash (**1**) to set the amount of time the pager flashes before shutting off. (1-sec, 30-sec, 5-min, and simultaneous beep and flash). Default is 5 minutes.
- Beep Only (**2**) to set the how many times the pager will beep before shutting off (either three beeps or 5 minutes).
- Glow (**3**) to set the amount of time the unit will glow before shutting off (either 15 Glow cycles or 5 minutes of glow cycles).

Manager

Select:

- Vibrate (**1**) to set the number of vibrations for the pager. Default is 3.
- Beep (**2**) to set the number of times the pager will beep before shutting off (3, times, 5-minutes, Look Down).
- Both (**3**) to set the number of times the pager will beep and vibrate glow before shutting off.

Set to Page Staff or Guest Pagers

In cases where the unit will be always paging staff pagers, the keypad can be set to default to page either **Guest** or **Staff** pagers. Factory default is **Guest**:

1. Press **SETUP**.
 2. Press "**MORE**" (**F1**) until asked for the authorization code.
 3. Type 5-6-7-8-9
-

4. Repeatedly press **F1** until you see “**Default Mode** on the menu.
5. Now press the number that corresponds to the feature.
6. Press **F1** (Guest) or **F4** (Pager).

Setting Alarms

This function is used to set the transmitter to page individual or all pagers at a specific time or on a timed interval. The transmitter can send 3 different time alarms or periodic alarms. Alarms may be set to page a specific pager (or all pagers) at a specific time every day

1. Press **Setup**.
2. Press “**MORE**” (**F1**) until asked for the authorization code.
3. Type **5-6-7-8-9**
4. Repeatedly press **F1** until you see “**Set ALARMS** on the menu.
5. Press the associated number key.
6. From the Pick Alarm menu, select the number of the alarm to set (**0 through 9**).
7. The Alarm Display screen shows the status of the selected alarm. Select **Change** (**F1**) to enable/disable or modify the alarm.

Note: If the alarm is already enabled as an interval alarm

- Press **YES** (**F1**) to reset the timer and return to the paging menu
 - Press **NO** (**F4**) to continue to the ON/OFF menu
8. At Turn ON or OFF menu select **ON** (**F1**) to enable the alarm or **OFF** (**F2**) to disable the alarm.
 9. At Set Pager Number menu:
 10. Press **either** enter the number of the pager to be alarmed followed by **Enter** or Press **KEEP** (**F1**) to use the existing number.

Note: Entering pager number 911 will page all pagers

11. At the Msg: prompt enter the message to send followed by **Enter:** (a list of canned messages is shown on page 5)

Interval Alarms are alarms that re-page a staff pager at regular intervals

1. At the Interval Alarm?, select **YES** (**F1**)
2. Enter the desired time interval in hours and minutes (HH:MM) and Press **Enter**. Transmitter returns to the paging menu.

Timed Alarms are alarms that re-page a staff pager at a particular time every day.

1. At the Interval Alarm?, select **NO** (**F4**)
2. At the Set Start Time menu enter the time for the alarm followed by **Enter:**
3. Select **AM** (**F1**) or **PM** (**F4**). Transmitter returns to the paging menu.

Set System Time/Date for Staff Pagers

Time is normally reset to 12:00 each time batteries are replaced. The time/date may be reset at the individual pagers, but all pagers in use may be synchronized to the transmitter. To prepare and send time/date information to Battery Operated Alpha staff pagers (re-programmable pagers available in 2005 only).

Set the Date

1. Press **SETUP** to enable the function menu.
2. Press **F1** (More) until the unit shows **1:Set Time/Date**.
3. Press **1** to select Set Time/Date.
4. Press **F1** (Date).
5. Enter the date in MO/DAYR (e.g. Mar 21, 2004 = 03/21/04).
6. Press **Enter**.

Set the Time

7. Press **F2** (Time).
8. Enter the time in hours and minutes.
9. Press **Enter**.
10. Press **F1** (for AM) or **F2** (for PM).

Send the Time and Date to the Pagers

11. Be sure the battery powered pagers are on.
12. Press the number **1** (Send to Pager) and the pagers will update.

Create Additional Alpha Messages

This function is used to create and store custom Alpha messages (Alpha mode only). These messages will be numbered 077 through 099. Once created they are paged the same as the standard canned messages. To create the messages:

1. Press Setup.
 2. Press MORE (F1) until asked for the authorization code.
 3. Type 5-6-7-8-9
 4. Repeatedly press F1 until you see Canned Msgs on the menu.
 5. Press UP (F2) or DN (F3) to locate a message to replace or add a message in an unused slot.
 5. Press EDIT (F1) then NEW (F2) to enter the message.
 6. Enter the desired message (up to 32 characters).
 7. Press EXIT (F1) to return to the canned message menu.
 8. Press EXIT (F1) to return to the Setup menu.
-

MAINTENANCE FUNCTIONS

The following features are not normally adjusted unless directed by LRS.

Setting Start of POCSAG Paging

This function is used to set the crossover point for staff pagers where Rechargeable numbers end and Battery Operated (POCSAG) pager numbers begin (default is 50). To change the crossover point:

1. Press **Setup**.
2. Press "MORE" (**F1**) until asked for the authorization code.
3. Type **5-6-7-8-9**
4. Repeatedly press **F1** until you see "**POCSAG Pager Start**" on the menu.
5. Press the associated number key.
6. Enter the starting number. This number is
 - The highest numbered rechargeable + 1
 - The lowest numbered battery operated pager.
7. Press **ENTER**.

Restaurant ID

The restaurant ID is used to prevent interference when more than one paging system is in use in a small geographical area (e.g., next door). **USE ONLY AT THE DIRECTION OF LRS**, To set the ID

1. Press **Setup**.
2. Press "MORE" (**F1**) until you are asked for the authorization code.
3. Now type 5-6-7-8-9
4. Press the **MORE** (F1) key the display shows "**2: Set Rest ID**".
5. Press the "**2**" key.
6. When the display shows Rest ID = X (X is 0, 1, 2, or 3) press the desired number.
7. Press the **Enter** key.
8. When Finished, Press **OK** (F1).
9. **After the transmitter ID is changed, program the pagers to match.**

Station ID

Station ID is often confused with Restaurant ID. This function is used where more than one station of the same establishment may be paging staff pagers. The indicators on the pager will show this code. To set a different station number:

1. Press **SETUP**
2. Press "MORE" (**F1**) until you are asked for the authorization code.
3. Now type 5-6-7-8-9.
4. Repeatedly press F1 until you see "**Prgm Station ID**" on the menu.
5. Now press the number that corresponds to the feature. The display will show the current station number for the pager to display (default is 1).
6. Press a number to use (0 – 9).

7. Press **F1** (OK) to change the code or **F2** (Exit) to return without change.

Adjust Transmit Power

The range may be increased or decreased from the keypad. The power levels are 1 through 5. Find a power level using Range Test that best suits your restaurant and leave it that way. **Default from the factory is power level 3.** To set the power level:

1. Press **SETUP**.
2. Press "**MORE**" (**F1**) until you are asked for the authorization code.
3. Type 5-6-7-8-9.
4. Repeatedly press **F1** until you see "**Program TX Pwr**" on the menu.
5. Now press the number that corresponds to the feature.
6. Set the required power level (from 1 through 4).
7. Press **<Enter>**.
8. Press **F1** (OK).

Range Test

This allows you to see where you can and cannot be paged. Although the range may vary slightly during busy times, this allows you to get a rough idea of where guests can roam. **DO NOT PERFORM A RANGE TEST WHEN GUESTS HAVE PAGERS BECAUSE THEY WILL FLASH ALL AT ONCE.** To begin Range Test:

1. Press **SETUP**.
2. Press **MORE (F1)** 2 times.
3. When asked for the authorization code enter **5-6-7-8-9**.
4. Continue pressing **MORE (F1)** until you see **Run Range Test**.
5. Press the corresponding number for Range Test to begin.
6. Take 2 or 3 charged coasters and begin walking around your restaurant. You should be seeing the coasters flashing about once every 3-4 seconds.
7. When you reach the point where the coaster does not flash consistently, this is your maximum range.

Dry Contact Operation

The dry contact input is located next to the transmitter antenna. To enable/disable:

1. Press **SETUP**.
2. Press **F1** (more) until asked for the authorization code.
3. Enter 5-6-7-8-9
4. Repeatedly press **F1** to find and select **Dry Contact**.
5. When the display shows the sensor is ON or OFF, press:
 - **F1** (ON) to enable the feature.
 - **F2** (OFF) to disable the feature.
6. For Contact Mode, select **F1** (normally **OPEN** contacts) or **F4** (normally **CLOSED** contacts).

NOTE: If using a NC contact insert the closed contact in the jack before programming as the unit automatically goes into the paging mode.

7. Enter the ALPHA pager number to be paged.
8. Pres EDIT to create a message for the selected pager.

PROGRAMMING PAGERS

Programming Individual Rechargeable Pagers

Pager numbering and modes is used when renumbering and setting up individual pagers. **Note:** Rechargeable pagers can have their restaurant IDs changed or their vibrators turned on/off as a group.

1. Acquire a programming authorization code from LRS.
2. Determine the necessary Restaurant ID, then set the transmitter to that ID.
3. Press **Setup**.
4. Press "MORE" (F1) until you are asked for the authorization code.
5. Now type **5-6-7-8-9**
6. Press the **MORE** (F1) key until the display shows "**3:Prog. Pgr. ID**".
7. Press the "**3**" key.
8. At the Menu, select **Guest** or **Staff** (the type of pager you are re-programming).
 - Guest pagers are Coasters and AdverTeaser Paddle pagers.
 - Staff pagers are Star pagers and the Battery operated staff pagers.
9. Enter the authorization code
 - For Guest pagers use the code acquired from LRS.
 - For Staff pagers use **1 2 3 7 6**.
10. Place all the rechargeable pagers to be programmed on one charger and leave the second charger empty. Pagers may be replaced into the same slot in the charger.
11. For guest pagers, select **Vibe ON** or **Vibe OFF**.
12. At Enter ID --- enter the number you wish the pager to be (e.g., 41).
13. Press **Enter**.
14. Remove the pager from the charger. When the flashing stops, press **<Enter>**.
15. The pager will slowly brighten and dim to off to indicate it is being programmed.
16. When it is finished put the pager on the second charging base or the pager back into its slot.
17. Repeat for the remaining pagers to be programmed.
18. When finished remove all of the reprogrammed units from the charger and page each one. Re program any pagers that do not page.
19. When Finished, Press **EXIT** (F1).

Program Battery Operated Pagers

This procedure is repeated for each pager being programmed (re-programmable battery operated pagers are not available until after January 2005).

1. Turn all of the pagers OFF.
2. At the Menu, select **Staff**
3. Enter the access code **1 2 3 7 6**
4. Select **Alpha, Numeric** or **Vibe Only**. (Note: re-programmable Alpha pagers will be available in 2005).
5. At Enter ID --- enter the number for the pager to be programmed.
6. Press **Enter**.
7. Turn on the pager.
8. When the vibrating (and or beeping) stops, press **Enter** again.
9. The pager will double beep three times to indicate it is being programmed. When it is finished turn the pager OFF.
10. Repeat steps for the remaining pagers.
11. When finished turn all of the pagers on and page each one. Reprogram any pagers that do not page.
12. When Finished, Press **EXIT** (F1).

Set Pager Vibrator ON/OFF and Set Restaurant ID (Groups of Pagers).

Rechargeable pagers can have their restaurant IDs changed or their vibrators turned on as a group. **Note:** Programming Individual Pagers process is required to renumber and set up individual pagers.

1. Be sure all the pagers are in the charger.
 2. Press **Setup**.
 3. Press "MORE" (F1) until you are asked for the authorization code.
 4. Now type **5-6-7-8-9**
 5. Press the **MORE** (F1) key the display shows "**2:Prog. Vib**".
 6. Press the "**2**" key.
 7. Remove several (about 10) pagers from their charger and quickly separate them.
 8. As soon as the pagers stop vibrating and flashing, press the **ON** (F1) or **OFF** (F2) button.
 9. The pagers will slowly brighten and dim to off to indicate they are being programmed. When finished put them on the second charging base.
 10. Repeat for any remaining pagers.
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SYSTEM SPECIFICATIONS

Notice: Operation is subject to the following:

- This device may not cause interference
- This device will accept any interference including interference that may cause undesired operation of the unit.

Notice: To reduce potential radio interference to other users, the antenna type and gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than required for successful communication.

Transmitter

Required voltage: One 110V outlet for the pager keypad.

Operating Frequency: 467.750MHz

Radiated Power <4900 micro-volts/meter

Operating Range: Dependent upon pagers used

Battery Powered Pagers

Required voltage: One AAA Alkaline battery for the pager.

Star Pager Advertiser

Required voltage: (1) 110V outlets for pager chargers

Batteries: Nickel Metal Hydride (NiMH). Rechargeable. Lifetime of Batteries:
Approximately 3-5 years

Number of pagers per charger: 5. The maximum number of pagers that can be charged by a 9V power supply is 30 (6 chargers). If you have more than 30 pagers, you will require the high current power supply that can charge up to 80 pagers on a single outlet.

Battery life of pager: Approximately 12 - 48 hours (depends on how often they are paged). Recharge time: 24 hours minimum from completely "dead".

Coaster Call

Required voltage: 1-110V outlet for pager chargers

Batteries: Nickel Metal Hydride (NiMH). Rechargeable. Lifetime of Batteries:
Approximately 3-5 years

Number of pagers per charger: 15. There can be 60 pagers (max.) or 4 chargers per 9V power supply. If you have more than 60 pagers, you will require additional power supplies.

Battery life of pager: Approximately 48 hours (depends on how often they are paged). Recharge time: 24 hours minimum from completely "dead".

TROUBLESHOOTING

Display shows Nothing

Be sure power supply is plugged in.

- If yes
 - Be sure power supply is good (substitute).
 - Be sure the wall circuit is on.
 - Unplug and re-plug a few times to be sure the unit doesn't need a reset.
- If no – plug it in

Remedy

If power supply is good call LRS to get a new transmitter

If power supply is bad call LRS to get a new power supply.

Pagers Don't Receive Pages

Be sure pagers are ON, Awake, Charged or have Good Batteries

- Try paging more than one pager to be sure it's not a faulty pager.
 - Do a System Reset
 - Check the Restaurant ID
 - Use the ID finder function.
1. Remove 2 or 3 pagers or coasters from the charger or turn on some battery powered pagers.
 2. Press **Setup**.
 3. Press "MORE" (F1) until asked for the authorization code.
 4. Now type 5-6-7-8-9
 5. Press the **MORE** (F1) key the display shows "ID Finder".
 6. Press the "1" key.
 7. Press **Begin** (F1) and the unit searches all of the ID = 0 codes.
 8. When it has paged all of the codes it asks "Did Your Pager Work?"
 - If your pagers paged, press **YES** (F1) and the unit will be set to this ID.
 - If your pagers didn't page, press **NO** (F4) twice and the unit will try the next ID.
 - If the unit cycles back to ID 0 without the pagers responding, call LRS.

Battery Powered Pagers Don't Receive Pages

1. Be sure the pager is turned on and that the battery is good
 2. If pagers do not turn on, replace battery and retry.
 3. If pagers do turn on, and still do not receive page, check transmitter.
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SERVICE QUESTIONS AND ANSWERS

Should your paging system ever fail or should you need additional paging supplies, call Long Range Systems at (800) 437-4996 Monday through Friday 8:30 am to 5:00 pm Central Time.

For weekend or night emergencies:

- Long Range Systems has 24/7 live technical support available
- Please keep in mind that options are limited over the weekend.