

T7400A

Paging System Transmitter

USER MANUAL



Installation, Warranty and Service Information



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Long Range Systems

Long Range Systems is a provider of cutting-edge onsite paging solutions. We offer exceptional products and services that satisfy our customer's needs for years to come. Thorough familiarity with these instructions and procedures will ensure proper operation and maintenance of the system.



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

General Information

The Guest Paging System is an onsite paging solution used to increase efficiency in operations by instantly alerting patrons, clients, and guests of the availability of services. Additional staff paging capabilities can alert management of immediate needs. The T7400A is used to page guest pagers (Alphanumeric Coaster, Coaster Call, Pizza Pager, Lobster Call, AdverTeaser), and staff pagers (Alphanumeric, Star).

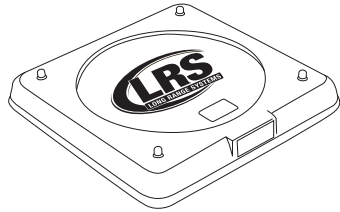
Notice: Operation is subject to the following:

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

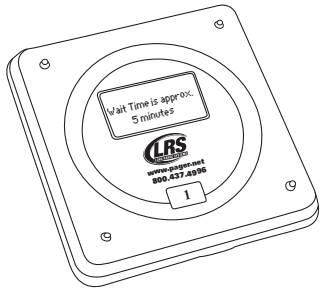
Notice: To reduce potential radio interference to other users, the antenna type and gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than required for successful communication.

Compatible Pagers

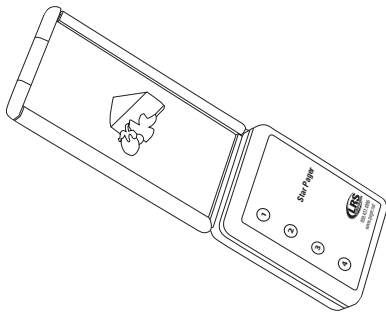
Customer Pagers:



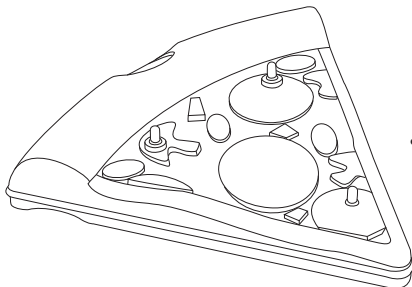
• Coaster Call



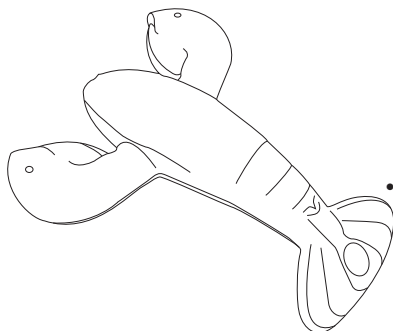
• Alphanumeric Coaster



• AdverTeaser (Paddle) Pager

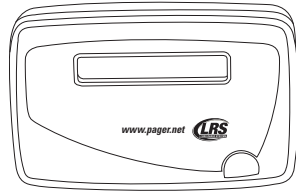


• Pizza Pager

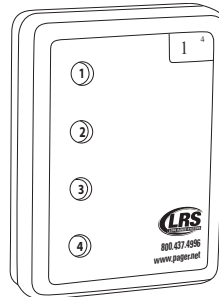


• Lobster Pager

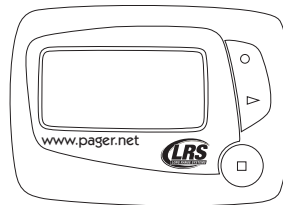
Staff Pagers:



• SP5 1-Line Rechargeable Alphanumeric Pager



• Star Pager



• RX-E 4-Line Alphanumeric Pager (Battery Operated)

Installation and Setup

Hardware Provided

The system contains the transmitter keypad, an instruction booklet, an antenna, a strip of Velcro, rubber feet, and a 10-VAC power adapter.

Notice: Operation is subject to the following:

- This device may or 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 Procedure

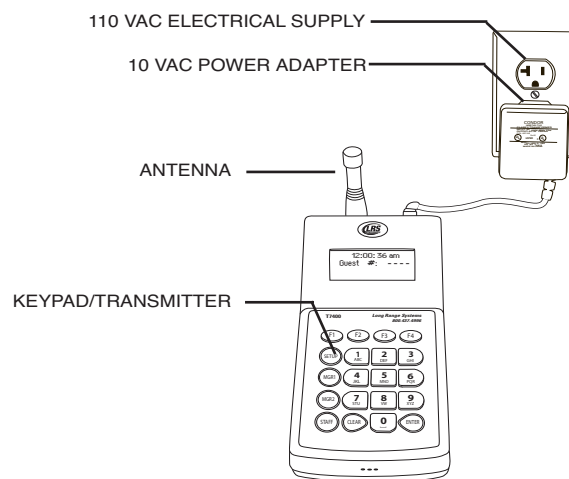
The following is the basic installation procedure

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

1. Un-wrap all system components.
2. Twist the 3" antenna onto the silver connector located on the rear of the transmitter.
3. Plug the power adapter into a standard 110/220V outlet and insert the barrel connector end into the port located on the rear of the antenna.
4. Upon completion of setup, make sure pagers are fully charged and/or have good batteries and are powered on.
5. The systems are shipped ready for the most general use. If you need to modify settings, refer to the table of contents to locate a specific function guideline.

Electrical Connections

The following diagram shows the electrical connections.

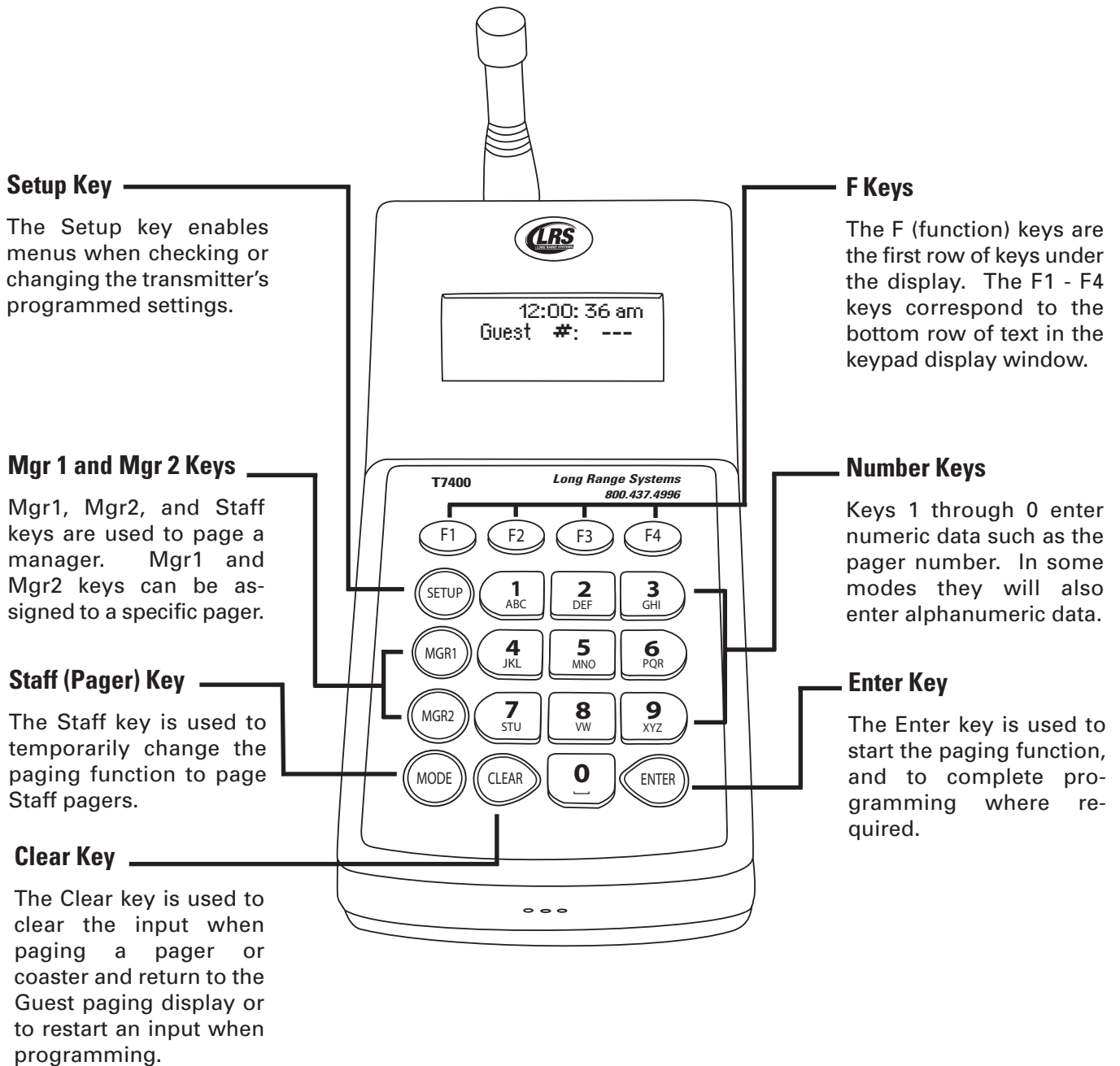


Keypad Description

Before using the keypad, read the following keypad descriptions.



Note: As the display changes, the keys may perform different functions.



Initial Power Up and Time Set

1. After the transmitter initializes, the date set menu is shown, type in the current date (Using MM/DD/YY) and press Enter.
2. When the display asks to enter time, type in the current time and select F1 (AM) or F2 (PM).

Basic Paging Operation Guide

The following are the most commonly used procedures for paging. Make sure that all rechargeable guest or staff pagers are not on the charging unit and all battery-operated pagers are turned on.

Page Guest Pagers:

Non-Alphanumeric (AdverTeaser, Pizza, Lobster, Coaster Call pagers)

1. Main screen displays – Guest #: - - - -
2. Enter number assigned to guest at handout.
3. Press ENTER to send page.
4. Return guest pagers to charging unit after paging.

Alphanumeric (Alphanumeric Coaster pager)

1. Main screen displays – Guest #: - - - -
2. Enter number assigned to guest at handout - then press ENTER.
3. Enter message code (000-099) (see Preset Messages Table pg. 8).
4. Press ENTER to send page.
5. Return guest pagers to charging unit after paging.

Page Individual Staff Pagers:

Non-Alphanumeric (Star Pager)

1. On keypad press STAFF (Display will show: Pager #: - - - -).
2. Enter staff pager number to be paged - then press ENTER.
3. Press ENTER to send page.

OR

4. Press F1 (V1), F2 (V2) or F3 (V3) for 1, 2 or 3 vibrations.

Alphanumeric (Alphanumeric, Rechargeable alphanumeric pagers)

1. On keypad press STAFF (Display will show: Pager #: - - - -).
2. Enter staff pager number to be paged - then press ENTER.
3. Enter message code (000-099) (see Preset Messages Table pg. 8)
4. Press ENTER to send page.

OR

5. Press F1 (V1), F2 (V2) or F3 (V3) for 1, 2 or 3 vibrations.

Page Manager Pagers

If Manager pagers are assigned (see Assigning Manager Pagers pg. 16), MGR1 and MGR2 page those assigned pagers.

1. On keypad press MGR1 or MGR2.
2. Press F1 (YES) to continue or F2 (NO) to cancel.
3. Enter message number code (000-099) (see Preset Messages Table below) and press ENTER.

OR (for star pagers)

4. Choose F1 (V1), F2 (V2), F3 (V3) or F4 (Exit) for 1, 2 or 3 vibrations.

All Call Page: Page all guest pagers simultaneously.

At (Guest #: - - -) Screen Display:

1. Enter 000 then press ENTER.

All Staff Page: Page all staff pagers simultaneously

1. Press STAFF.
2. Press 9-1-1 then ENTER.
3. Enter message number code (000-099) (see Preset Messages Table below).
4. Press ENTER to send page.

OR

5. Choose F1 (V1), F2 (V2), F3 (V3) or F4 (Exit) for 1, 2 or 3 vibrations.

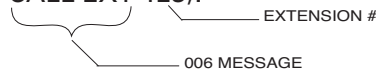
Preset or Special Alphanumeric-Messages Using Message Codes

When prompted for a message on the T7400A transmitter:

1. Enter message number code (and an extension number – optional).
2. Press ENTER.

Example: Send a message to call extension 123.

- From Preset Message Table choose – 006 (Call Ext).
- Enter code 0-0-6-1-2-3 (Displays: CALL EXT 123).



Note: *These non-editable messages are built into the transmitter. If using Alphanumeric pagers, additional messages can be created (see Create Additional Alphanumeric Messages on pg. 14).*

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

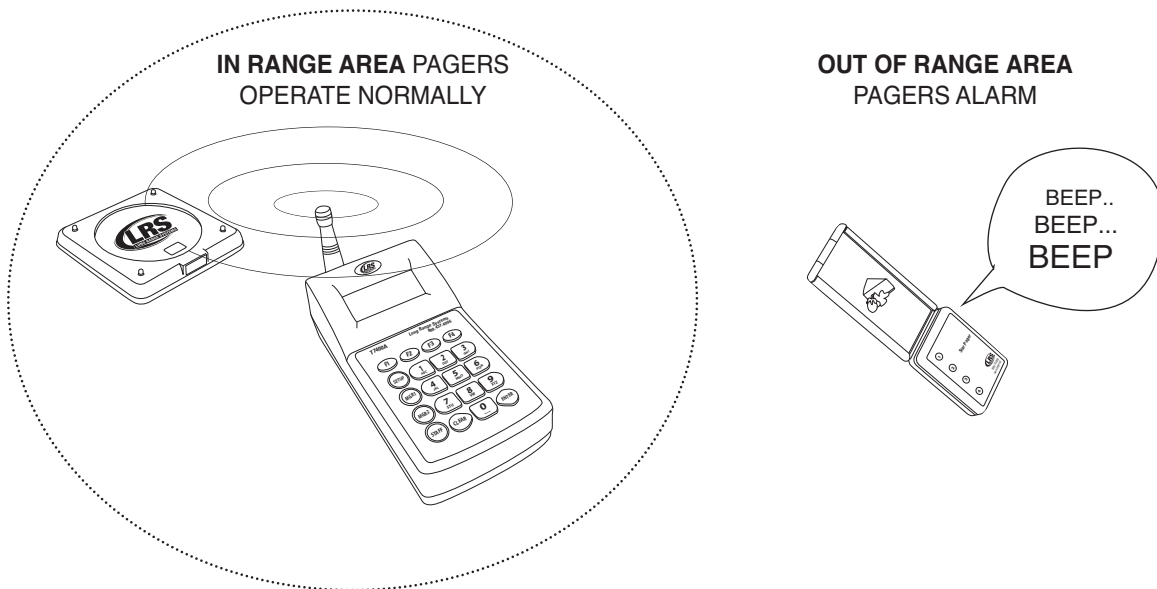
Special Operational Procedures

Theft-Deterrent Function

Theft deterrent is used to alert staff and guests that they are leaving the premises while still carrying the coaster/pager.

When Activated:

- The transmitter sends a signal to the coaster/pager, and if the signal is not received, the coaster/pager will emit a continuous beep sound until it is returned to the charging unit or back in range.
- The LED screen on the alphanumeric pagers will display "OUT OF RANGE".
- When theft deterrent mode is active, a "T" will display on the upper left corner of the transmitter display.



To Activate:

1. Press SETUP and enter password.
2. Press 1 (SYSTEM).
3. Press 1 (Anti-Theft).
4. Press F1 (YES) to turn theft mode on (Press F2 (NO) to turn off).
5. Main screen display will show "T" on upper left corner when turned on.

Tracking

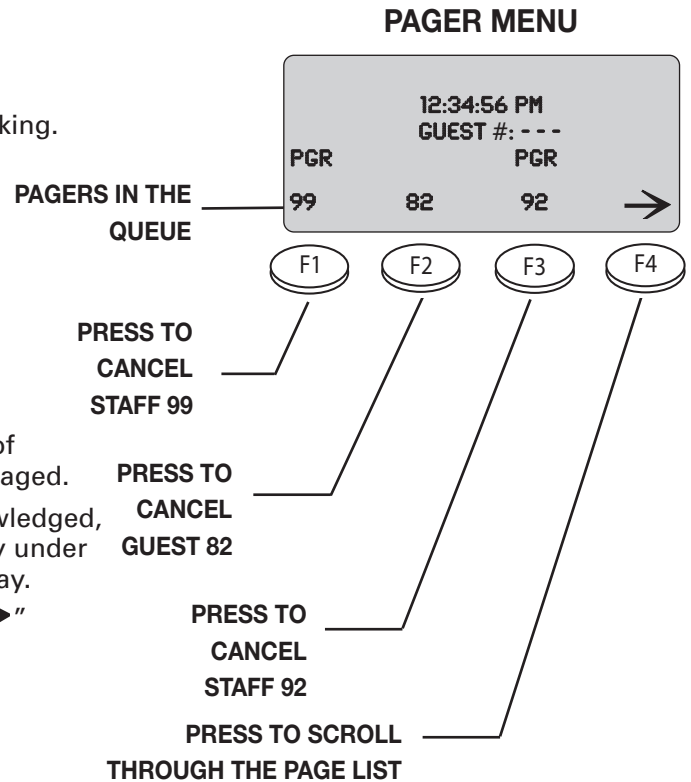
This function allows the host to monitor which Guest or Staff pager has been paged, and continues paging, based on a user defined interval and run time setting. The pager number is cleared on the keypad unit when run time is complete or when user clears the number by press the Function Key (F1-F4) under the number.

To turn Tracking on (or off):

1. Press SETUP and enter password.
2. Press F2 (DOWN) until screen displays 3) Tracking.
3. Select 3 (Tracking).
4. Select 1) Enable.
5. Press F1 (YES) or F2 (NO).

To Use Tracking

1. Page the guest or staff pager using the basic paging procedure.
2. The pager number will appear at the bottom of the screen signifying that the pager is being paged.
3. When the page has been received and acknowledged, clear the page by pressing the F1, F2 or F3 key under the pager number shown on the keypad display.
 - If more than 3 pagers are in the queue " → " will be shown at the right of the display.
 - Press F4 to see the rest of the list.



Custom Tracking

Tracking Intervals

The tracking feature can be set to a user's defined duration and paging intervals.

Duration

The Duration is the total amount of time the repeated pages will continue for in seconds.


For example, if you choose 120 seconds, the T7400A will continue to page at the predefined interval until the overall 2 minutes (120 seconds) is timed out.

The default duration is 90 seconds.

The duration can be set for 0-3600 seconds.

To Set the Duration

1. Press Setup and enter password.
2. Press 1) system.
3. Press F2 (DOWN) until display shows 3) Tracking.
4. Press 3.
5. Select 2) Duration.
6. Type in a new time, in seconds and press ENTER.

 **Note:** Entering 0 will make the Duration run "Forever"

Interval

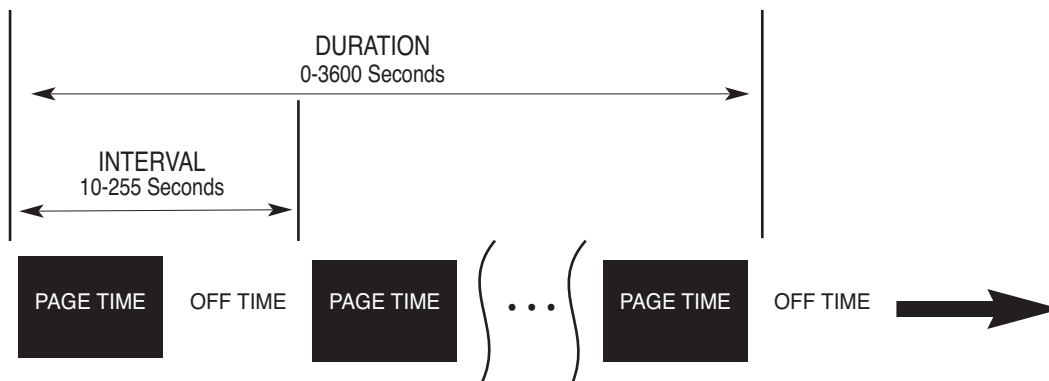
The Interval defines how many seconds of time passes between pages.

The default Interval is 10 seconds.

The Interval can be set from 10-255 seconds.

To set the Interval

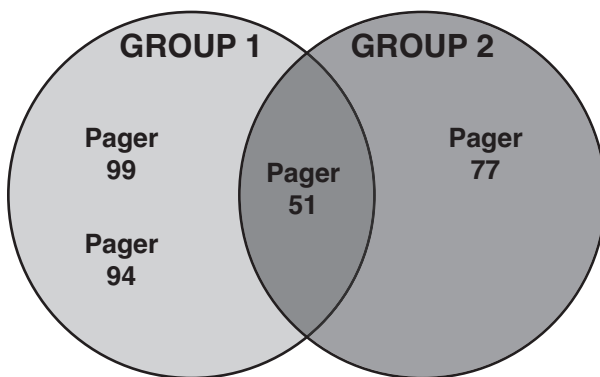
1. Press Setup and enter password.
2. Press 1) system.
3. Press F2 (DOWN) until display shows 17) Tracking.
4. Press 3.
5. Select 3) Interval.
6. Type in a new time, in seconds, and press ENTER.



Group Paging

General Purpose

This function is used with Alpha pagers. These pagers can be programmed to respond to group calls. Ten groups are available and each pager can be a member of 5 groups. Each pager will respond to its individual number and to any groups it belongs to. See example below.



Group Paging Rules

General rules for paging groups are:

- Pagers must be programmed in the group mode.
- Staff pagers must be numbered above 100. (1-99 are reserved for groups)
- Any alphanumeric pager can be a member of up to 5 groups.

Paging Groups

1. Enter the number for the pager or the group.
 - If only paging staff pagers and have the transmitter default set to Pager, enter the pager or group number directly.
 - If paging, default is set to Guest, press Staff before entering the pager or group number.
2. Enter the message to send.
3. Press ENTER.

To Turn Group Paging On/Off

1. Press Setup and enter password.
2. Press 1 (System).
3. Press F2 (Dn) until display shows 1) POCSAG
4. Press 1) Groups Enabled
5. Select 2) Group Paging
6. Press F1 (Yes) or F4 (No)

FEATURE SETUP PROCEDURES

User's Password

All of the functions that adjust paging preferences are protected by an Password

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

Set Manager Password

To change the Manager Password:

1. Press SETUP and enter password.
2. Press F2 (DN.)
3. Select 2) Manager Password.
4. Type in new 5 digit Manager Password and press Enter.

Set Page Mode

This programs how guest and staff pagers will respond when paged. Guest pagers can flash, beep, glow, flash and beep, etc. To set the modes:

1. Press SETUP and enter Password.
2. Press F2 (DN.)
3. Select 3) Page Mode.
4. Select 1 (1:Guest) or 2 (2:Staff).

Guest Pager - Select:

Press 1) Flash/Beep/Glow.

Select a page Mode.

- 1) Flash 30 sec.
- 2) Flash 5 mins.
- 3) Beep/Flash.

Press F2 (Dn)

- 1) Flash 1 sec.
- 2) Glow 15 times.
- 3) Glow 5 mins.

Press F2 (Dn)

- 1) Beep 3 times.
- 2) Beep continuously.



Note: An asterisk next to a mode indicates that is the current Paging Mode.

To turn Alphanumeric Guest Paging Vibration On or Off:

Select 2) Alphanumeric Vibe.

Press F1 (yes) to turn Alphanumeric Vibration On or F2 (No) for Off.

Manager Pager - Select:

- 1) Vibe 1 time.
- 2) Vibe 2 times.
- 3) Vibe 3 times.

F2 (ON)

- 1) Vibe continuously.
- 2) Vibe/Beep 1 time.
- 3) Vibe/Beep 2 times.

F2 (ON)

- 1) Vibe/Beep 3 times.
- 2) Beep 3 times.
- 3) Beep continuously.

Set to Page Staff or Guest Pagers

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

1. Press SETUP and enter Password.
2. Select 3 (3: Default Mode).
3. Select 1 (Guest Paging) for guest pager or 2 (Staff Paging) for staff pager.

Create Alphanumeric Messages

If your staff pagers are alphanumeric, they can display 77 different pre-set messages (numbered 000 through 076), and 22 additional user-defined messages of up to 32 characters per message (077 through 099).

1. Press SETUP and enter Password.
2. Press 3) Other.
3. Press 1) Canned Message.
4. At the Canned Msg.# screen select F1 (EDIT) to edit message, (use (F2 (up) or F3 (Dn) to scroll through messages to edit).
5. At the Edit User Msg screen press F1 (EDIT) to edit message or F2 (NEW) to write a new message.
6. Enter the desired message using the number keys, waiting until the cursor moves between letters (i.e. for letter 'E' press #2 twice). Similar to a Cell Phone.
7. When finished, press ENTER to save.
8. At the Edit User Msg screen, press F1 (EDIT) to edit displayed message, F2 (NEW) to write a new message or F4 (EXIT) to return to the Canned Msg.# display screen.
9. At the Canned Msg.# screen, select F1 (EDIT) to edit displayed message, (F2 (up) or F3 (Dn) to scroll through messages to edit) or F4 (EXIT) to return to the main menu.

Setting Time and Date for T7400A

The time and date is set table on the T7400A.

Set Date:

1. Press SETUP and enter Password.
2. Press 2) Date/Time.
3. Press 3) Set Date.
4. Enter Date (MM/DD/YY) (e.g. March 11, 2010 = 03/11/10) and press ENTER.
5. Enter Time (- -: -) (e.g. 08:30) and press ENTER.

Set Time:

1. Press SETUP and enter Password.
2. Press 2) Date/Time.
3. Press F2 (Dn).
4. Press 1) Set Time.
5. Enter Time (--:--) (e.g. 08:30) and press ENTER.
6. Press F1 (AM) or F4 (PM).

Time Format:

1. Press SETUP and enter Password.
2. Press 2) Date/Time.
3. Press 2) Time Format.
4. Select 1) 12 hour or 2) 24 hour.



Note: Asterisk next to an option indicates the current operation mode

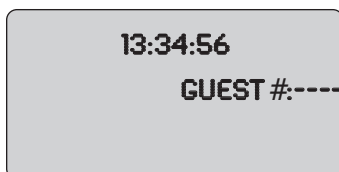
Date Format:

1. Press SETUP and enter Password.
2. Press 2) Date/Time.
3. Select 1) Date Format.
4. Select 1) MM/DD/YY or 2) DD/MM/YY.

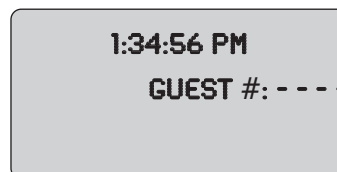


Note: Asterisk next to an option indicates the current operation mode

24 HOUR TIME ON DISPLAY



12 HOUR TIME ON DISPLAY



Repeat Delay

When using a repeater, it may be necessary to add a delay between pages when paging multiple pagers to allow the repeater time to repeat the signal and detect the next one. To add repeat delay:

1. Press SETUP
2. Enter Access Code
3. Press 1) System
4. Press F2 (Dn) until the display shows 2: Repeat Delay
5. Press 2 (2: Repeat Delay)
6. Select F1 (Yes) to enable or F4 (No) to disable

ID Span

In very large systems up to 9999 Guest pagers can be paged. To do this, ID Span is required. This function disables normal System ID functions except for Staff Paging and allows the programming of Guest Pagers from 1000 to 9999.

To use ID Span:

1. Press SETUP
2. Enter Access Code
3. Press 3) Other
4. Press 2) ID Span
5. Select F1 (ON) to enable or F4 (OFF) to disable

POCSAG Button Enable/Disable

The buttons on an Alpha Pager can be enabled or disabled.

1. Press Setup and enter Access Code
2. Press 1 for 1) System
3. Press F2 (Dn)
4. Press 1 for 1) POCSAG
5. Press 2 for 2) Btns Enabled
6. Press F1 (Yes) to enable Alpha Pager buttons, or press F4 (No) to disable Alpha Pager buttons

Guest Message

The Guest Message is the default preset message sent to Guest Alpha Pagers. To change the message.

1. Press Setup and enter Access Code
2. Press 1 for 1) System
3. Press F2 (Dn)
4. Press 1 for 1) POCSAG
5. Press 3 for 3) Guest Message
6. Enter a number 00-99 for selected preset message



Note: See pg. 14 for creating alphanumeric messages

Maintenance Functions

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

Paging Types in Mixed Systems

When using different types of pagers, be sure that alphanumeric pagers are numbered higher than the non-alphanumeric pagers.

Setting Crossover Points

This function is used to set the crossover points where non-alphanumeric end and alphanumeric pagers begin. Crossover points must be set using the following rules:

The default crossover point for Staff Pagers is 50.

- 50 and above are Alphanumeric Pagers.
- Below 50 is for Star Pagers.

The default crossover point for Guest Pagers is 1000.

- 1000 and above for Alphanumeric Coasters.
- Below 1000 for Coaster Call and Paddle pagers (AdverTeaser).

To change the crossover points:

1. Press SETUP and enter Password.
2. Press 1) System.
3. Press F2 (Dn) until display shows 1) POCSAG.
4. Press 1) POCSAG.
5. Press 2 (2: POCSAG Start).
6. For Staff Alphanumeric Pagers, press 2) Staff and type in the new POCSAG start number 1-9999. Choose number from 1 – 9999. Press ENTER to keep a default value - 50.
7. For Guest Alphanumeric Pagers, press 1) Guest and type in the new POCSAG start number from 1 – 9999.

Station ID

Station ID is often confused with System 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 and enter Password.
2. Press 1) System.
3. Press F2 (Dn) until the display shows 3) Station ID.
5. Press 3 (3: (Dn) Station ID).
6. The display shows the current station ID number (default is 1).
7. Press a number to use (0 – 9) to change the default ID number and press ENTER.

Adjust Transmit Power

The range may be increased or decreased from the transmitter by adjusting the transmit power level. The power levels are 1 through 5. Find a power level using Range Test(See Following) that best suits your restaurant and leave it that way. *Default from the factory is power level 5. Reset only by direction from LRS*

To set the power level:

1. Press SETUP and enter Password.
2. Press F2 (Dn) until the display shows 2: Transmit Power.
5. Press 2 (2:Transmit Power).
6. Set the required power level (from 1 through 5).
7. Press ENTER.

Assign Manager Pagers

1. Press SETUP and enter Password.
2. Press F2 (Dn) until display shows 1: Mgr/2 Btns.
3. Press 1 (Mgr1/2 Btns.)
4. Select 1 to Assign Manager Pager 1, or 2 to Assign Manager Pager 2.
5. Type in new pager number and press ENTER.

Programming Pagers

Pager numbering and mode setup is used to renumber or set up individual pagers.



Note: *Be sure to refer back to "Paging Types in Mixed Systems" section to ensure that pagers are programmed using appropriate crossover points.*

Individual Pagers



Note: *Rechargeable pagers can have their System IDs changed or their vibration turned on or off as a group.*

1. Press Setup and enter Access Code
2. Press F2 (Dn).
3. Press 1 (1) Program.
5. Press 1 (1: Prg Pager).
7. At the Select Type menu, select the basic type of pager you are re-programming (Guest pagers or Staff pagers).

Non-Alpha Guest Pagers (AdverTeaser (Paddle pager), Coaster pager, Pizza pager, Lobster Call).

This procedure is repeated for each pager being programmed. Two charging bases are suggested for programming Coasters, Pizza pager, Lobster Call.

1. Place all guest pagers to be programmed on one charger base, leave the second base empty. Paddle pagers may be replaced into the same slot in the charger.
2. Complete the steps for programming "individual Pagers".
3. At the Select Type menu, press 1 (1: Guest Pagers).
4. Enter Pager Number and press Enter.
5. Select Pager type 1) Coaster Page or 2) Paddle Pager.
6. Select if Pager should Vibrate F1 (Yes) or F4 (No.)
7. Remove the guest pagers from the charger.
8. When flashing stops, press ENTER.
9. The coaster/pager will slowly vibrate and light up then dim to off to indicate it is being programmed.
10. When programming is finished, put the coaster on the second charging base or the Paddle pager back into its slot.
11. Repeat steps 2 through 10 for the remaining coasters/pagers.
12. When finished remove all of the coasters/pagers from the charging base and page each one.
13. Reprogram any that do not page.

Guest Alpha Coasters

This procedure is repeated for each pager being programmed. Two charging bases are suggested for programming Alpha Coasters.



Note: *Guest Alpha Pagers numbers must be above POCSAG start.*

1. Put all coasters to be programmed on one charger base, leave the second base empty.
2. Complete the steps for programming "individual Pagers".

3. At the Select Type menu, press 1 (1: Guest Pagers).
4. Enter Pager Number and press ENTER.
5. Remove the coaster from the charger.
6. When flashing stops, press ENTER.
7. The pager will beep four times to indicate it is being programmed and the screen will display:
Example: System ID = 0, Pager ID Number = 99, All Page = 911
 - [0]123 prg Single
 - [0]911 prg All Page
 - [0]0 prg System
8. Repeat steps 2 through 7 for the remaining coasters.
9. When finished, remove all of the coasters from the charging base and page each one.
10. Reprogram any that do not page.

Staff Pagers (Star Type)

This procedure is repeated for each pager being programmed. Pagers may be replaced into the same slot in the charger.

1. Place all Pagers to be programmed in the charger.
2. Complete the steps for programming "individual Pagers".
3. At the Select Type menu, press 2 (2: Staff).
4. At Enter ID --- enter the number you wish to assign to the Pager and press ENTER.
5. Select if Pager should Vibrate F1 (Yes) or F4 (No).
6. Remove the Pager from the Charger.
7. When the Flashing Stops, press ENTER.
8. The Pager will slowly Brighten and Dim to Off to indicate it is being Programmed.
9. When Programming is finished, return the Pager to its Charging Base.
10. Repeat Steps 1 through 9 for the remaining Pagers.
11. When finished, remove all of the Pagers from the Charging Base and Page each one.
12. Reprogram any that do not page.

Staff Pagers (Rechargeable Alpha Pagers)

This procedure is repeated for each pager being programmed.



Note: *Staff Alpha Pagers numbers must be above POCSAG start.*

1. Place pagers in charger.
2. Complete the Steps for Programming "Individual Pagers".
3. At the Select Type menu, press 2 (2: Staff).
4. At Enter ID --- enter the number you wish to assign to the Pager.
5. Remove the Pager from the charger.
6. At the screen display "Reset Pager. When Pager Stop..." press ENTER.
7. The pager will Vibrate and/or Beep.
8. When the Vibration/Beeping Stops, press ENTER again.
9. The Pager will beep three times to indicate it is being programmed and the screen will display:
Example: System ID = 0, Pager ID Number = 99, All Page = 911
 - Prg C1: [0]99
 - Prg C2: [0]911

- Prg C3: [0]0
10. Return the Pager to the Charger when Programming is complete.
 11. Repeat Steps 2 through 10 for the remaining Pagers.
 12. When finished, remove Pagers from the Charger and Page each one.
 13. Reprogram any Pagers that do not page.

Staff Pagers (Battery Operated Alpha Pagers)

This procedure is repeated for each pager being programmed.



Note: *Staff Alpha Pagers numbers must be above POCSAG start.*

1. Turn all of the Pagers Off (or remove batteries).
2. Complete the steps for Programming "individual Pagers".
3. At the Select Type menu, press 2 (2: Staff).
4. At Enter ID --- enter the number you wish to assign to the Pager.
5. Turn the Pager Off and then On (or reinstall the battery).
6. At screen display "Reset Pagers. When Pagers Stop..." press ENTER.
7. It will Vibrate and/or Beep.
8. When the Vibration/Beeping Stops, press ENTER again.
9. The Pager will beep three times to indicate it is being Programmed and the screen will display:
Example: System ID = 0, Pager ID Number = 99, All Page = 911
 - Prg Single [0]99
 - Prg All Page [0]911
 - Prg System [0]0
10. Return the Pager to the Charger when Programming is complete.
11. Repeat Steps 2 through 10 for the remaining Pagers.
12. When finished, remove Pagers from the Charger and Page each one.
13. Reprogram any Pagers that Do Not Page.

Program Pager Groups

Group Paging must be enabled.



Note: *Only LRS pagers can be assigned groups and be programmed from the transmitter.*

1. Turn all Pagers Off (or remove batteries) or Place unit in Charger.
2. Complete the steps for individual Pagers.
3. At select type menu, press (2: Staff).
4. At enter ID, enter the number you wish to assign to the Pager.
5. At enter Groups, enter the Group Numbers you which to assign the Pager to and press ENTER.
6. Turn Pager or Remove pager from charger.
7. At screen displays "Reset Pagers. When Pagers Stop..." press ENTER.
8. The Pager will beep three times and additional beeps for each Group Number and Group Name assigned.
Example: System ID = 0, Pager ID Number = 99, All Page = 911, Group = 1, 2
 [Group numbers will display across the screen as you enter them]

- Prg Single [0]99
 - Prg All Page [0]911
 - Prg System [0]0
 - Group [1] 1
 - Group [2] 2
9. Return the Pager to the Charger when done (If rechargeable).
 10. Repeat steps 2 through 8 for the remaining Pagers.
 11. When finished, remove Pagers from the Charger and Page each one.
 12. Reprogram any Pagers that Do Not Page.

Program Pager Vibration

The Program Vibration feature can program a set of Guest or Staff Pagers all at once to Vibrate or not Vibrate when paged.

1. Be sure All Pagers are on the Charger.
2. Press Setup and enter Access Code.
3. Press F2 (Dn).
4. Press 1 to select 1) Program.
5. Press 2 to select 2) Prg Vibe.
6. Press 1 to select Guest Pagers or 2 to select Staff Pagers.
7. If selected Guest, select 1 for Coaster Pagers or 2 for Paddle Pagers.
8. Press F1 (Yes) to enable Pager to Vibrate, or F4 (No) to prevent the Pager from Vibrating.
9. Unplug the charger power supply.
10. When Pagers finish flashing, press ENTER.
11. Pagers will slowly brighten and dim to off to indicate they are being Programmed.



Note: *Pagers will vibrate during glowing if vibration is enabled. Will not vibrate if vibration was disabled.*

12. When finished, plug the charger power supply back in.

Program Welcome Message

The Welcome Message on a Staff 4-Line Alpha pager can be customized to show something new when the Pager is powered on.

1. Press Setup and enter Access Code.
2. Press F2 (Dn).
3. Press 1 to select 1) Program.
4. Press 3 to select 3) Prg Welcome.
5. Type in New Welcome Message and press ENTER.



Note: *The welcome message has a 32 character limit.*

6. Turn off and then turn on Alpha Pager.
7. Press ENTER.
8. Pager should Beep Once to indicate programming.
9. Cycle power on Pager to view New Message.

System Specifications

Notice - Operation is subject to the following:

- This device may 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 110/220V outlet for the pager keypad.

Operating Frequency: 420-470MHz

Radiated Power <4900 micro-volts/meter

Operating Range: Dependent upon pagers used and topography and environment.

Battery Powered Pagers

Required voltage: One AAA Alkaline battery for the pager.

Rechargeable Pagers

Required voltage: (1) 110/220V outlets for pager charging base

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

Battery life of pager: Approximately 12 - 48 hours (depends on usage). 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) with charger power supply.
 - Be sure the outlet 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 troubleshoot further.

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

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 a page, check transmitter
- If pagers continue to not receive pages, contact LRS.

Service Questions and Answers

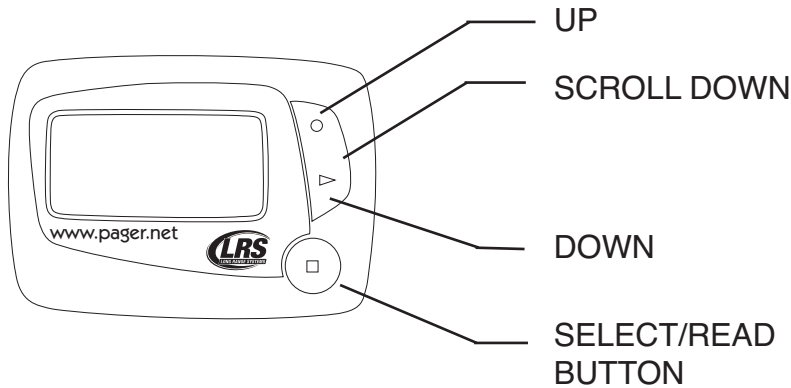
Should your paging system ever fail or should you need additional paging supplies, call Long Range Systems at (800) 437-4996 or (214) 553-5308 (24/7 days a week)

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.

LRS Pagers Available for the T7400A

Using the 4-Line Alphanumeric Pager



Menus



Selecting functions

1. From Read All screen, press Up (or Dn) Scroll button until desired selection displays
2. Press Read/Select button to select item
3. Press Up (or Dn) Scroll button to choose/adjust
4. Press Read/Select to confirm/set

Power On/Off

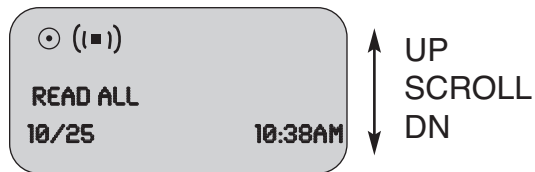
Set ON (if unit is off)

1. Press and hold Scroll Up until YES/NO shows.
2. At "Power ON?" use Up (or Dn) Scroll button to select YES
3. Press Read/Select button to set

Set OFF

1. Using the Up (or Dn) scroll button scroll until display shows "Power OFF?"
2. Press Read/Select button to set power on/off
3. At "Power OFF?" screen, use Up (or Dn) Scroll button to select YES
4. Press Read/Select button to set

Read Message



- Messages are displayed upon receipt.
- Press Read/Select to display.

To review stored messages:

1. Select "Read All?"
2. Press Read/Select to display messages and time stamps
3. Use the Up (or Dn) Scroll button to scroll through messages

Delete Messages

1. Using the Up (or Dn) scroll button, scroll until display shows "Delete All?"
2. Press Read/Select
3. Use the Up (or Dn) scroll button to select Yes or No
4. Press Read/Select button to confirm

Time/Date Set

1. Using the Up (or Dn) scroll button scroll until display shows "Set Time/Date"
2. Press Read/Select to set time/date
3. Press Up (or Dn) scroll button to set each time or date segment and press Read/Select to move through the segments

Set Contrast

1. Using the Up (or Dn) scroll button scroll until display shows "Set Contrast"
2. Press Read/Select
3. Use the Up (or Dn) scroll button to adjust
4. Press Read/Select to confirm

Auto ON/OFF

1. Using the Up (or Dn) scroll button scroll until display shows "Auto ON/OFF"
2. Press Read/Select to set auto on/off
3. Use the Up (or Dn) scroll button to select On or Off
4. Press Up (or Dn) scroll button to set on/off time and press Read/Select to move through the segments

Set Key Tone On/Off

1. Using the Up (or Dn) scroll button scroll until display shows "Set Key Tone"
2. Press Read/Select to set key tone on/off
3. Use the Up (or Dn) scroll button to select On or Off
4. Press Read/Select to set

Select Alert Mode

1. Using the Up (or Dn) scroll button scroll until display shows "Set Alert Mode"
2. Use the Up (or Dn) scroll button to select Beep, Vibe, or Both
3. Press Read/Select to set:

Beep - Use the Up (or Dn) scroll button to select:

- Select Beep Type - Loud or Soft and press Read/Select to set
- Set Alert Time (seconds) and press Read/Select to set

Vibe - Use the Up (or Dn) scroll button to select:

- Set Vibe strength - Strong or Weak and press Read/Select to set
- Set Vibe Pulse - Cnst, P1, P2 or P3 and press Read/Select to set
- Set Alert Time (seconds) and press Read/Select to set

Both - Use the Up (or Dn) scroll button to select:

- Set Vibe strength - Strong or Weak and press Read/Select to set
- Set Alert Time (seconds) and press Read/Select to set

Battery

The RX-E 4-Line Alphanumeric pager uses 1 AAA Battery.

Programming

To program the pager see pg. 21

Using the Star Pager



Charging

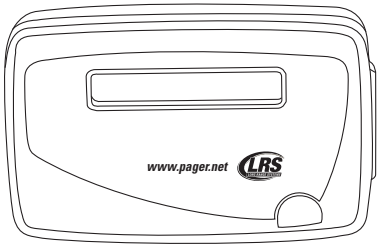
Any rechargeable pager will require use of an LRS charger.

1. Place the pager in the charger.
2. Allow unit to fully charge overnight.
3. Remove from charger, and pager will vibrate and light all lights as a verification that it is working.
4. Replace the pager in the charger at the end of each day.
 - Star Pagers uses the charger 9 (CH-R9)

Programming

To program the pager see pg. 20

Using the SP5 1-Line Rechargeable Alphanumeric Pager



Charging

The SP5 uses the Charger 5 (CH-R5)

1. Place the pager in the charger
2. Allow unit to fully charge overnight
3. Remove from charger, pager will vibrate or beep to show it is working
4. LCD will show the pager's ID
5. Replace the pager in the charger at the end of each day

Menus

To access the vibrate/contrast menu, remove the pager from the charger. While vibrating or beeping, press and hold the Select button for 8 seconds. This top-level menu will display:



If you PRESS and RELEASE the SP5 pager button the menu will change to:



To exit this menu wait 8 seconds.

To re-enter the vibrate/contrast menu at any time, reset the pager, and then hold the SP5 pager button.

Vibe

To set the Vibration Level

1. Enter the vibrate/contrast menu as described above.
2. Highlight the Vibe selection then PRESS and HOLD the SP5 pager Button until the screen shows.



3. Press or hold the Select Button to the desired vibration level. The level will rise to max, Release the Select Button and press or hold again until the level goes to minimum or desired level.
4. To exit, wait 8 seconds. And the pager will go back to the vibrate/contrast menu.



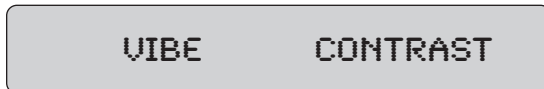
Contrast

To set the Contrast Level

1. Enter the vibe/contrast menu as described above.
2. Highlight the Contrast selection then PRESS and HOLD the SP5 pager Button until the screen shows.



3. Press or hold the Select Button to the desired Contrast. The level will increase to max (NOTE: screen could be dark and hard to read), Release the Select Button and press or hold again to change the level back towards the minimum or to desired contrast.
4. To exit, wait 8 seconds. And the pager will go back to the vibe/contrast menu.



5. To exit this menu wait 8 additional seconds.

Settings

To view the current pager settings

1. Remove pager from the charger or reset on the T9601, T9100, or T9101 reset terminals.
2. Press the Select Button repeatedly to scroll through the settings:
 - C1: [System ID number] and Pager ID number
 - C2: [System ID number] and All Page number
 - C3: [System ID number] and System ID number
 - G: Group number
 - Enc: Encryption enabled (128) or none
 - Ver: Current Firmware Version
3. To exit, wait 8 seconds.

Messages

The pager stores the last 5 received messages.

To view the messages:

1. Press the Select Button once.
2. Messages 2 lines in length will show a > symbol on the end of the first line and a < on the second line. Messages over 2 lines in length, the middle lines will show "< the next line of the message >".
3. Press the Select Button to continue scrolling forward through the message or messages.

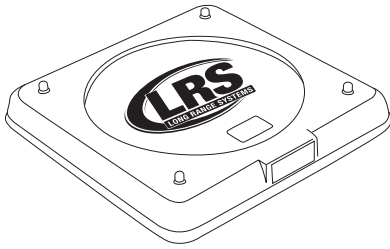
Time

Pager will display the current time. The T7400A transmitter automatically updates this feature. If the time does not appear, a flashing star will appear on the right side of LCD to show pager is operational.

Programming

To program the pager see pg. 20

Using Non-Alphanumeric Guest Pagers



Charging

Any rechargeable guest pager will require use of an LRS charger.

1. Place the guest pager in the charger. For 15 Coasters, 10 Pizza pager, and 10 Lobster call pagers. Do not stack more than 10 pagers at a time on a Charger.
2. Allow unit to charge fully overnight.
3. Remove from charger, and pager will vibrate, beep, and light all lights as a verification that it is working
4. Replace the pager in the charger at the end of each day.

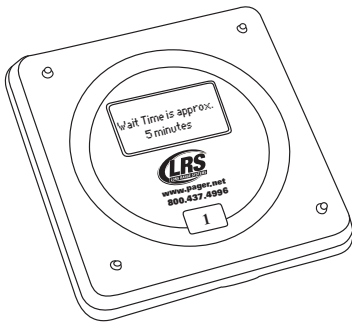
The pagers all use different chargers:

- Coasters use the Charger 8 (CH-R8)
- AdverTeasers and Star Pagers use the Charger 9 (CH-R9)
- Lobster Pagers use the Lobster Charger (CH-LP)
- Pizza Pagers use the Pizza Charger (CH-PZ)

Programming

To program the pager see pg. 19

Using Alphanumeric Coaster Guest Pagers



Charging

Any Alphanumeric Coaster pager will require use of an LRS coaster charger.

1. Place the pager in the charger. 15 pagers at a time on a Charger.
2. Allow unit to charge fully overnight.
3. Remove from charger, and pager will vibrate, beep, and light all lights as a verification that it is working
4. Replace the pager in the charger at the end of each day.
 - The Alphanumeric Coasters use the Charger 8 (CH-R8)

Programming

To program the pager see pg. 19

Cleaning & Charging Instructions For LRS Paging Equipment

Cleaning:

LRS pagers are made from industrial-strength, polycarbonate material. However, this material is susceptible to hairline cracking if non-approved cleaners are used. When cleaning LRS pagers, we recommend only using ISOPROPYL ALCOHOL-BASED CLEANERS.

To clean the equipment:

1. Take a clean rag and an isopropyl-alcohol based cleaner
2. Soak the clean rag with the isopropyl alcohol cleaner
3. Wipe down the pagers or equipment.

Cleaning equipment with any other non-approved cleaners can weaken plastic and cause hairline cracks. Pagers and equipment that are cleaned with unapproved cleaners and suffer cracking will not be covered under warranty.

Do not submerge any LRS paging equipment in any type of liquid as this will also damage the equipment and is not covered under the standard warranty.

Charging:

Place rechargeable pagers on the charger and let them charge for 8 hours prior to first use.

Rechargeable pagers should be kept on charge even during extremely long periods of inactivity.

Only 10 VAC power supplies should be used with LRS chargers and transmitters. DC power supplies will cause damage to equipment that is not covered under the standard warranty.

Should you have any questions, please contact the LRS Customer Service Department at 800.437.4996, 214.553.5308 or your local LRS dealer.

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www.lrssa.com

LRS United Kingdom
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www.lrspagers.co.uk

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 it with an equivalent product, free of charge. LRS will return your product via UPS ground shipping. All warranty claims must be initiated through our customer service department.

**Customer Service: 800.437.4996
4550 Excel Parkway, Suite 200
Addison, TX 75001**

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 T7400A 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

EN 301 489-2: 2002

EN61000-3-2: 1998

EN 61000-3-3: 1995

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

XU-0001 033010