T7400A

Paging System Transmitter

USER MANUAL

LRS

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Table of Contents

Compatible Pagers **3**

Installation and Setup **4**

Hardware Provided 4

Installation Procedure 4

Electrical Connections 4

Keypad Description 5

Initial Power Up and Time Set 5

Basic Paging Operation Guide **6**

Page Guest Pagers 6

Page Individual Staff Pagers 6

Preset or Special Alphanumeric Messages 7

Special Operational Procedures **8**

Theft-Deterrent Function 8

Tracking 9

Custom Tracking 9

Interval 10

Group Paging 10

Dry Contacts 11

Set Alarms 12

Feature Setup Procedures **14**

User Password 14

Set Manager Password 14

Set Page Mode 14

Set to Page Staff or Guest Pagers 15

Create Alphanumeric Messages 15

Setting Time and Date for T7400A 16

Repeat Delay 17

ID Span 17

Alphanumeric Pager Button Enable/Disable 17

Guest Message 17

Display the Guest and Staff Prompt 18

Staff Message 18

Maintenance Functions **20**

Paging Types in Mixed Systems 20

Station ID 20

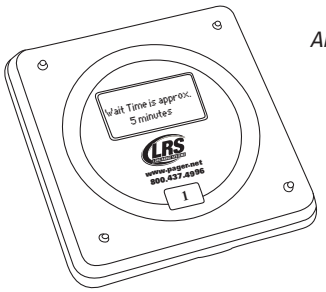
Adjust Transmit Power 21

Assigning Manager Pagers 21
Locating Misplaced Pagers 21
Programming Pagers 22
Individual Pagers 22
Program Pager Groups 24
Alpha Encryption 25
Program Pager Vibration 26
Program Welcome Message 26
System Specifications 27
Transmitter 27
Battery Powered Pagers 27
Rechargeable Pagers 27
Troubleshooting 28
Display shows Nothing 28
Pagers Don't Receive Pages 28
Battery Powered Pagers Don't Receive Pages 28
Service Questions and Answers 28
LRS Pagers Available for the T7400A 29
Using the 4-Line Alphanumeric Pager 29
Using the Star Pager 31
Using the SP5 1-Line Rechargeable Alphanumeric Pagers 32
Using the Non-Alphanumeric Guest Pagers 34
Using the Alphanumeric Coaster Guest Pagers 34
Cleaning & Charging Instructions for LRS Paging Equipment 35
Warranty 36

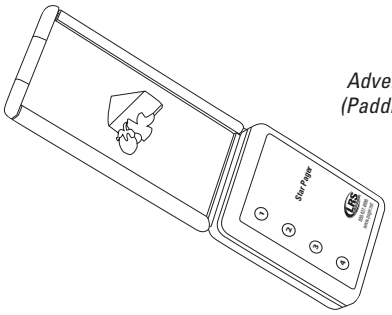
Compatible Pagers

Customer Pagers:

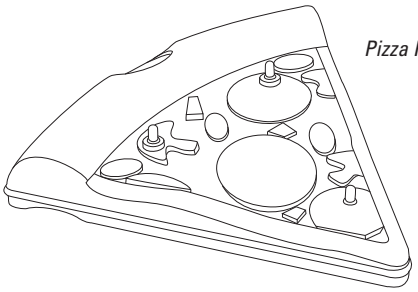
Coaster Call



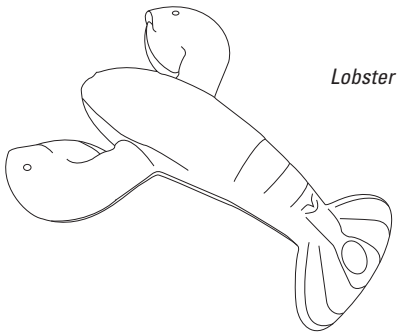
Alphanumeric Coaster



AdverTeaser (Paddle)Pager

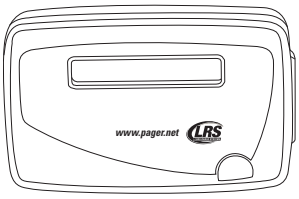


Pizza Pager



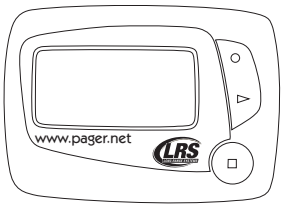
Lobster Pager

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 12-VDC 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.

Installation Procedure

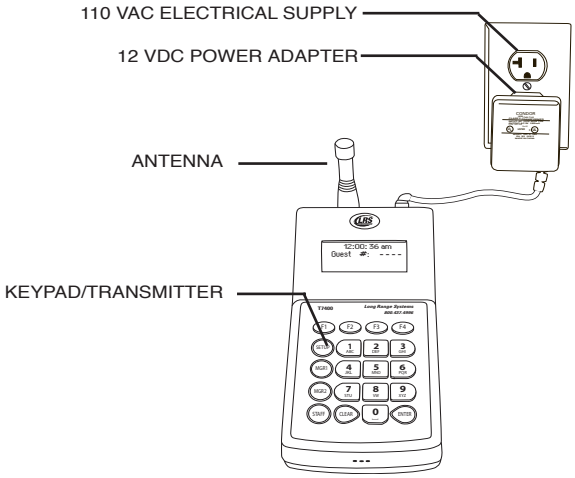
The following is the basic installation procedure

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

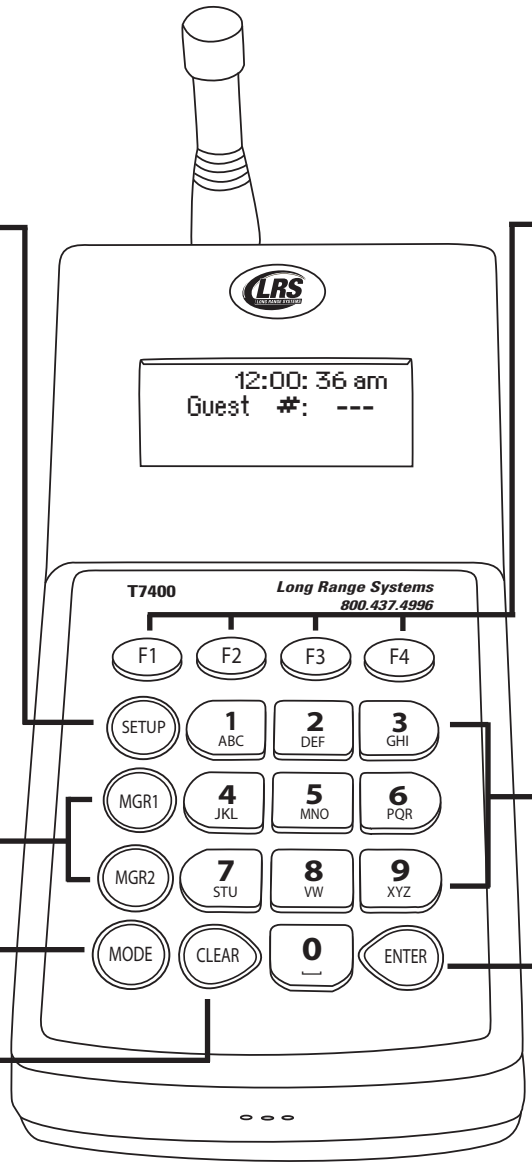
The following diagram shows the electrical connections.



Keypad Description

Before using the keypad, read the following keypad descriptions.

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



Setup Key

The Setup key enables menus when checking or changing the transmitter's programmed settings.

Mgr 1 and Mgr 2 Keys

Mgr1, Mgr2, and Staff keys are used to page a manager. 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.

F Keys

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

Number Keys

Keys 1 through 0 enter numeric data such as the pager number. In some modes they will also enter alphanumeric data.

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 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. 7).
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. 7)
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. 18), 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 Alpha Page: Page all staff alpha 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.

All Staff SP4 Page:

Page all Staff SP4/Star pagers simultaneously.

1. Press STAFF.
2. Press 000 then ENTER.
3. Enter a message 1-9.
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:

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).

EXTENSION #

006 MESSAGE

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		

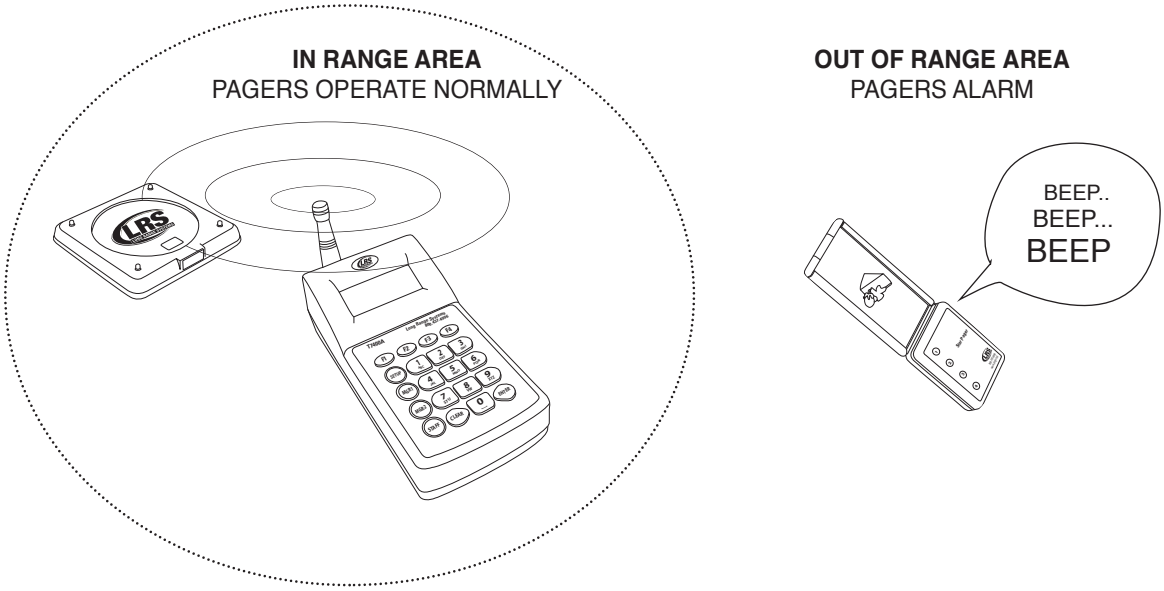
Special Functions

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.

Note: *Anti-Theft does not work with RX-SPF. If Anti-Theft is enabled, Repeat Delay with be disabled.*

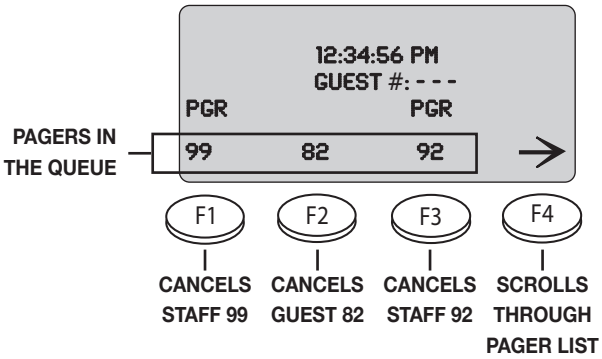
Tracking

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

To turn Tracking on (or off):

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

Transmitter Tracking Screen



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 allows user to configure duration and interval times.

Duration

The Duration is the total amount of time the repage messages will be held in a transmitter queue.

For example, if you choose 120 seconds, the T7400A will keep track of and send out the repage for 120 seconds or 2 minutes unless it is canceled by the user.

The default duration is 90 seconds.

The duration can be set for 0-3600 seconds.

0 is no set duration the re-page will be queued up and sent out until it is canceled.

To Set the Duration

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

Note: *Entering 0 will make the Duration "Forever" therefore Tracking Page must be canceled by the user.*

Interval

The Interval defines how many seconds of time pass between each Tracking re-page.

The Interval can be set from 10-255 seconds.

The default Interval is 10 seconds.

Example:

If tracking is enabled for a duration of 90 seconds with an interval of 10 seconds, then a tracking page will be sent out every 10 seconds for 1 ½ minutes. So the recipient pager will go off once on the initial page and 9 more times within the next 1½ minutes. After the 1½ minute duration has expired that pager number is removed from the transmitter queue.

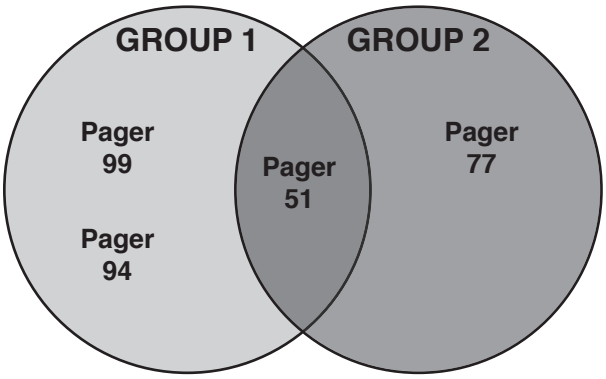
To set the Interval

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

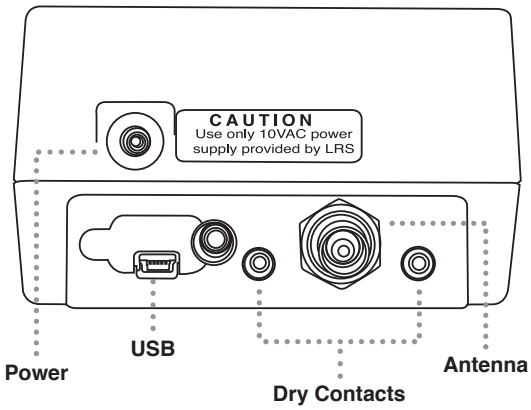
1. Press SETUP and enter Password.
2. Press 1 (System).
3. Press F2 (DN) until display shows 1) POCSAG.
4. Press 1) Group Paging.
5. Select 1) Groups Enabled.
6. Press F1 (Yes) or F4 (No).

Dry Contacts

The Dry Contact are contacts or switches that are connected through a wire to the T7400, for example: Doorbell. This sensor can send a message to the pager when an event occurs (e.g., alarms if a door is opened). Default setting for the Contact Sensor is OFF. To program the Contact Sensor (Dry Contact):

1. Press SETUP and enter the Password.
2. Press F2 (DN) until the display shows 1: Dry Contact.
3. Select 1 (1: Dry Contact).
4. At the Contact Menu screen - select 1 (1: Prog Contacts).
5. Select contact to program - press 1 (1: Contact #1) or 2 (2: Contact #2).
6. The Screen will show if Contact Sensor is currently on or off:
   - Press F1 to turn the function ON.
   - Press F2 to turn the function OFF.
7. If select ON, select for the sensor to set as:
   - Press F4 for Normally Closed (this is the default setting).
   - Press F1 for Normally Open.
8. Enter the pager number that will be pager when this event occurs (Pager Num = - - - -) and press ENTER.
9. Enter a User Message:
   - Press F2 to create a new message, use the 1-9 keys to enter the text, and then press ENTER to Save.
   - Press F1 to edit the current message.
10. Select paging type mode - F1 (STAFF), F4 (GUEST).
11. Press F4 to EXIT.

T7400A Back View

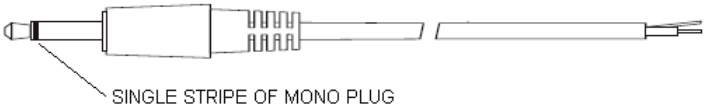


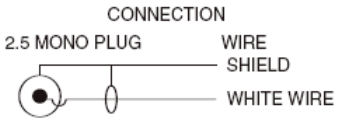
T7400A Dry Contact Specifications:

Input Voltage	0-5 Volts DC
Contact Diameter	2.5 mm
Contact Type	Mono Plug

T7400A Dry Contact Cable Specifications:

Contact Diameter	2.5 mm
Contact Type	Mono Plug
Number of Conductors	2
Ring Connection	Positive
Tip Connection	Ground





Set Alarms

This function is used to set the transmitter to page an individual or all STAFF pagers at a specific time or on a timed interval. The transmitter can send 10 different time alarms or periodic alarms. Alarms may be set to page a specific pager (or all pagers) at a specific time every day.

Note: *Alarm feature not available in version 7.5.0.8*

1. Press SETUP and enter Password.
2. Press 1 (System).
3. Press F2 (DN) until display shows 3) ALARMS.
4. Select 3 (3: ALARMS).
5. From the Alarm menu, select the number of the alarm to set (0 through 9) and press ENTER.
6. 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 F1 (YES) to reset the timer and return to the paging menu.
- Press F4 (NO) to continue to the ON/OFF menu.

7. At Enable menu select F1 (YES) to enable the alarm or F4 (NO) to disable the alarm.
8. Select the type of alarm 1 (Interval), 2 (Daily), or 3 (Weekly).

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

1. Enter the desired time interval in hours and minutes (HH:MM) and Press ENTER.
2. Enter pager number to be alerted.
3. Type in canned message (See Table on pg. 7) and press ENTER.

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

1. At the Time of Day menu enter the time for alarm.
2. Select F1 (AM) or F2 (PM).
3. Type in pager number to be alerted and press ENTER.
4. Type in canned message (See Table on pg. 7) and press ENTER.

Weekly Alarms are alarms that will page a staff page on a certain day of the week.

1. Select the Day of Week to page. Use F2 (DN) to scroll through Wednesday through Saturday.
2. Enter the Time of Day (HH:MM) for the alarm.
3. Press F1 (AM) and F2 (PM).
4. Type pager number to page and press ENTER.
5. Type in canned message (See Table on pg. 7) and press ENTER.
6. At Set pager Number menu, either:
   - Enter the number of the pager to be alarmed followed by ENTER.

   Or
   - Press F1 (KEEP) to use the existing number.

Note: *Entering pager number 911 will page all Alpha pagers.*

Feature Setup Procedures

User Password

All of the functions that adjust paging preferences are protected by a 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:

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

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.

To turn Alphanumeric Guest Paging Vibration On or Off:

Select 2) Alphanumeric Vibe.

Press F1 (YES) to turn Alphanumeric Vibration On of 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 F3 (EDIT) to edit message, (use (F1 (UP) or F2 (DN) to scroll through messages to edit).
5. If no message exists at the Edit Message screen, type a new message. If a message exists, press F3 (EDIT) to change it. 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. Press the ENTER key to save your message

Setting Time and Date for 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.

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 select F1 (AM) or F2 (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.

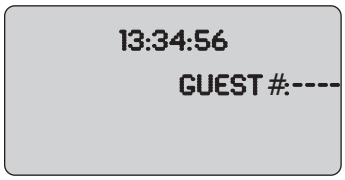
Note: *Asterisk next to an option indicates the current operation mode*

Date Format:

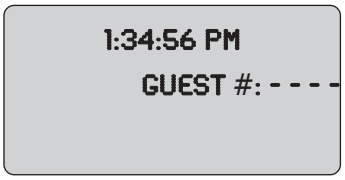
1. Press SETUP and enter Password.
2. Press 2) Date/Time.
3. Select 1) Date Format.
4. Select 1) MM/DD/YY or 2) DD/MM/YY.

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

24 HOUR TIME ON DISPLAY



12 HOUR TIME ON DISPLAY



T7400A Transmitter Screen

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 Password.
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.

Note: *If Repeat Delay is enabled, Anti-Theft will be disabled.*

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 Password.
3. Press 3) Other.
4. Press 2) ID Span.
5. Select F1 (YES) to enable or F4 (NO) to disable.

Alphanumeric Pager Button Enable/Disable

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

1. Press SETUP and enter Password.
2. Press 1 for 1) System.
3. Press F2 (DN) until 1)POCSAG-> is displayed.
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 Password.
2. Press 1 for 1) System.
3. Press F2 (DN) until 1)POCSAG-> is displayed.
4. Press 1 for 1)POCSAG->.
5. Press 3 for 3) Guest Message.
6. Type a number 00-99 for selected preset message and press ENTER.

Note: *See pg. 15 for creating alphanumeric messages.*

Display the Guest and Staff Prompt

When paging Guest or Staff Alpha Pagers, the user is shown a prompt:

T7400A Transmitter screen Display

```
SELECT PAGE MODE
MSG: 035 - - - -
OUT: TABLE READY
                EXIT
```

To Select Desired Paging Prompt:

Three prompt modes are available for the Staff and Guest Messaging.

- **Default Canned** - This mode will display the prompt with message on the transmitter display. The user may add to the message or send as is. (Ex: Type “035 222” to send “Table Ready 222”).
- **Blank Canned** - This mode will display the prompt but no message will appear in the transmitter display. In this instance, the user will have the abilty to enter any message.
- **Auto Send** - This mode will automatically send the pre-chosen Guest Staff Message to pagers without displaying the Message Prompt.

1. Press SETUP and enter Password.
2. Press 1 (System).
3. Press F2 (DN) until screen shows 1 (POCSAG).
4. Press 1 (POCSAG).
5. Press F2 (DN) until screen show 1 (Msg Editing).
6. Press 1 (Msg Editing).
7. Select 1 for Guest or 2 for Staff.
8. Select 1-3 for desired Prompt Mode.
9. Press F4 (Exit).

Staff Message

The Staff Message is the default canned message sent to Staff Alpha pagers.

To change the message:

1. Press Setup and enter Password.
2. Press 1 (System).
3. Press F2 (DN) until screen shows 3 (Manager Msg).
4. Press 3 (Manager Msg).
5. Press 1 (Manager Msg).
6. Type number 00-99 for selected canned message and press ENTER.

Note: *See pg. 15 for creating Alpha 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 F2(DN) until 2)POCSAG Start is displayed
5. Press 1) POCSAG.
6. Press 2 (2: POCSAG Start).
7. 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.
8. 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 Station ID number and press ENTER.

Adjust Transmit Power

The maximum output power of the transmitter is 120mW. The range may be increased or decreased from the transmitter by adjusting this transmit power level. The power levels are 1 through 5. Default from the factory is power level 3.

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.

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.

CAUTION: *Do not set auto locate to run or use run locate feature while pagers are handed out. All pagers will be paged!*

Auto Locate

Auto Locate sends a signal to ALL coasters/pagers at a preset time. The coasters/pagers will beep so that staff can locate them.

Example: If closing at 11:30PM, the transmitter can be set to auto locate at 12:30AM, causing all missing coasters/pagers to beep at that time.

When activated:

- A signal is sent out to ALL coaster/ pagers.
- Pagers will Beep or Flash until the pagers are placed on the charging unit or the batteries go dead. In the case of battery operated pagers, the battery must be removed to stop the beeping.

To activate:

1. Press SETUP and enter Password.
2. Press 3 (OTHER.
3. Press F2 (DN).
4. Choose 1 (1:Auto Locate) to program auto locate.
5. Press F1 (YES) to turn Auto-Locate mode on or press F2 (NO) to turn off.
6. If turning function ON, enter a starting Time of Day for Auto Location (HH:MM).
7. Press F1 (AM) or F2 (PM).

If turning function ON:

8. Enter Start Time for Auto Location (- -: - -) and press ENTER to continue.
9. Press F1 (AM) or F4 (PM).

Run Locate

Run locate is used to immediately locate any misplaced coasters around the restaurants (ideal during closing hours).

When activated:

- A signal is sent out to ALL guest pagers.
- Pagers will Beep or Flash until returned to charging unit or batteries removed.

To activate

1. Press SETUP and enter Password.
2. Press 3 (OTHER).
3. Choose 3 (Locate Pagers).
4. Press ENTER to begin locating pagers.

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 ID's changed or their vibration turned on or off as a group.*

1. Press SETUP and enter Password.
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. Repeat Steps 2 through 9 for the remaining Pagers.
11. When you're finished programming, send a test page to each pager.
12. Repeat the programming procedure for 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.

Alpha Encryption

- Only LRS Alpha pagers can be encrypted and be programmed from the transmitter
- Encryption does not change the pager numbering

1. Press Setup.
2. Enter Access Code.
3. Press the F2 (DN) until the display shows 2: Encryption.
4. Press 2 (2: Encryption).
5. Select:

```
1: ON/SET
2: OFF
3.TRANSMIT KEY
```

1 (1: On/Set) to enable encryption and set new encryption key

- Enter 16 double digits (Note: all ff will disable the key)
  (Example: 11:12:13:44:11:11:11:11:11:11:11:11:11:11:11:11)
- Press ENTER when finished with each line.
- Follow instructions on display.
- Turn the pager off then on.
- When it stops vibrating, press ENTER (note more than 1 pager can be encrypted at once).
- Screen will display “Transmitting Key”.
- Pager will beep once and display “Pgr Encryption 128-bit”.

2 (2: Off) to disable encryption

- The display shows “Transmit Key Now?” press the F1 (YES) key to send or F4 (NO).
- Follow instructions on display.
- Turn the pager off then on .
- When it stops vibrating, press ENTER.
- Screen will display “Transmitting Key”.
- Pager will beep once and display “Pgr Encryption None”.

3 (3: Transmit Key) to send the current encryption key to pagers.

- Follow instructions on display.
- Turn the pager off then on.
- When it stops vibrating, press ENTER.

Note: *more than 1 pager can be encrypted at once.*

- The unit will wait 5 seconds and send out the signal.
- The screen will display “prg encryption none” (or 128 bit key) then “Transmitting Key”.
- Continue this procedure with the remaining pagers.

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 Password.
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 Password.
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.

Transmitter

Required voltage: One 110/220V outlet for the pager keypad.

Operating Frequency: 467.75 MHz

Radiated Power <120 mW

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

Battery Type: Nickel Metal Hydride (NiMH). Rechargeable.

Lifetime of Batteries: Approximately 3-5 years. (depending on usage).

Battery Charge Life: Approximately 12 - 48 hours (depending on usage).

Recharge Time: Typically 8 hours depending on usage (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 the transmitter power supply with the charger 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 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

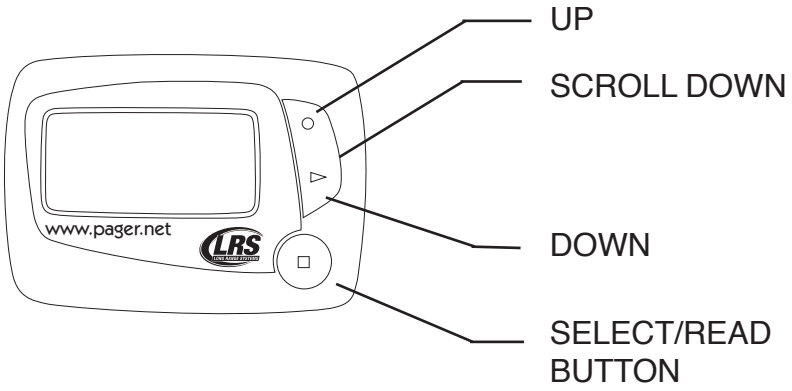
Should your paging system ever fail or should you need additional paging equipment, call Long Range Systems at (800) 437-4996 or (214) 553-5308 (24/7 days a week)

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

Alphanumeric Pager Screen

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

Alphanumeric Pager Screen

- 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. 26

Using the Star Pager

Charging

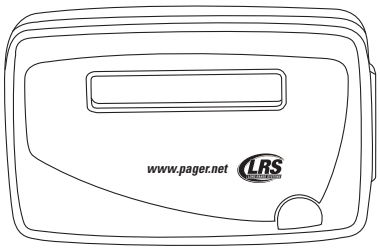
Any rechargeable pager will require use of an LRS charger

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. 25

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 vibe/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:

SP5 Pager Screen

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

SP5 Pager Screen

To exit this menu wait 8 seconds.

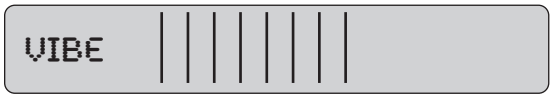
To re-enter the vibe/contrast menu at any time, reset the pager, and then hold the SP5 pager button.

Vibe

To set the Vibration Level

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

SP5 Pager Screen



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 vibe/contrast menu.

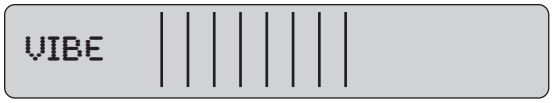
SP5 Pager Screen

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.

SP5 Pager Screen



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.

SP5 Pager Screen

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.

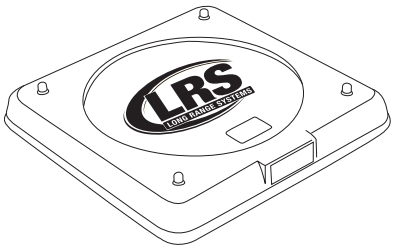
Time

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. 25

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.

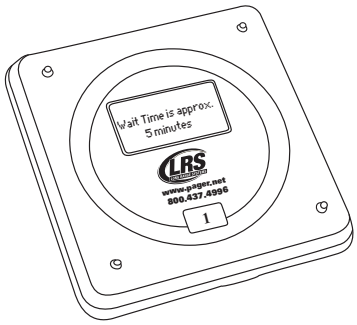
The pagers all use different chargers:

- 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. 24

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. 24

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.lrs.eu.com	www.lrs-lb.com	www.lrssa.com	www.lrspagers.co.uk

Warranty

Long Range Systems, LLC 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. The warranty does not include damage to the product resulting from accident, misuse, improper electrical connection, or failure to charge the product within 30 days of receipt. Rechargeable pagers are required to stay on charge while not in use. Rechargeable pagers that are left off of charge for longer than 30 days will have a negative impact on the life of the batteries requiring them to be replaced thus voiding the warranty. 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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This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Warning Statement:

This device must be operated in a stationary table top configuration and should not be held or carried while in operation. The user is cautioned to observe a minimum separation distance of at least 1 centimeter from the antenna to user extremities (fingers, hands) and maintain a separation of at least 20 centimeters from the users body.