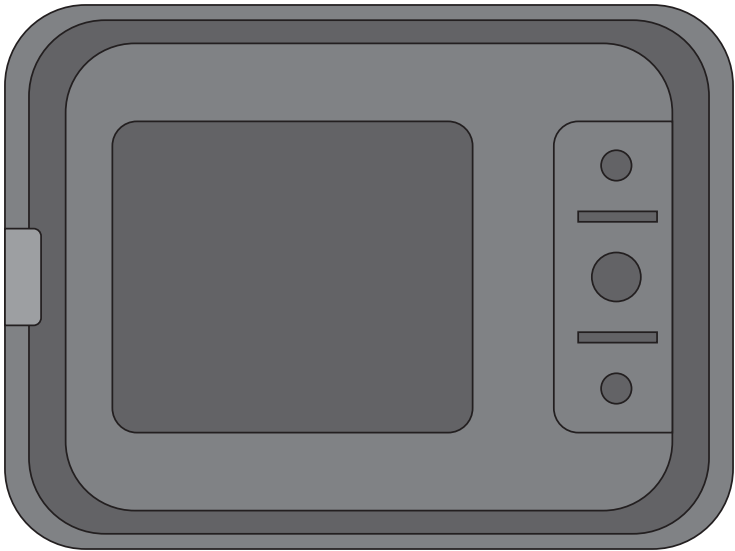


# Alpha Pager II

Model: RX-AP2

USER MANUAL

January 2026



LONG RANGE SOLUTIONS, LLC

LRSUS.COM | 800.437.4996 |

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# Table Of Contents

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General Information .....	2
Setup and Use .....	2
Product Specifications .....	2
Cleaning.....	3
Operation .....	3
Menu Settings .....	4
Troubleshooting .....	7
Service Questions and Answers .....	8
Warranty .....	8
Federal Communications Commission Interference Statement .....	9
Terms & Conditions .....	10

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## GENERAL INFORMATION

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The LRS Alpha Staff Pager II is a UHF receiver used in conjunction with an LRS staff enabled transmitter, as an on-premise paging system to communicate with staff and customers with text-based messages.

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## SETUP AND USE

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The low profile devices are rechargeable, water resistant, and can flash, vibrate, beep and display messages when paged by an LRS transmitter. To begin using your pagers, locate the 5 slot charging base near a power outlet and charge them for 8 hours.

### **Charger Installation**

1. Install the charger base per the directions received with the charger kits.
2. Charge pagers for 8 hours prior to first use.

*Note: Keep rechargeable pagers on charge even during extremely long periods of inactivity. If a months long period of inactivity is forecast use the deep sleep menu command as shown below.*

### **WARNING:**

Only use the power supply that came with your charger it is a 12V DC 4 Amp brick. Damage caused from improper electrical connection including but not limited to the incorrect power supply is not covered under the standard warranty. If you're uncertain about which power supply to use, contact our customer support department at 800.437.4996

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## PRODUCT SPECIFICATIONS

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**Charging Voltage:**LRS issued 12DC, 4.0-4.2A power supply included in kit

**Battery Type:** 3.7V Rechargeable Li ION polymer

**Battery Life:** Approximately 3-5 years

**Battery Charge Life:** Approximately 24 hours (depends on usage).

**Recharge time:** 8 hours minimum from completely discharged approximate.

**Operating Range:** Up to ¼ mile depending on transmitter power.

**Operating Temperature:** 0 – 85 F

**Dimensions:** 3" x 2¼" x ¾"

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## CLEANING

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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, you should only use ETHYL ALCOHOL (ethanol) or ISOPROPYL ALCOHOL-BASED CLEANERS. We have done extensive testing with available cleaning materials and have not found any issues with either ethyl alcohol (ethanol) or isopropyl alcohol (IPA). ALL other cleaners are not recommended for use on any of our pagers.

To clean the equipment:

1. Take a clean cloth and an isopropyl-alcohol based cleaner
2. Wet the clean cloth with the isopropyl alcohol cleaner
3. Wipe down the pagers or equipment
4. When dry, place rechargeable pagers back on charge

### WARNING:

Cleaning your 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.

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## OPERATION

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Charge pagers in High current charger (Blue charger LED). Pagers will fully charge in 4-5hours, but full charge is not necessary for operation. Pagers will flash (Pager LED) purple during a charge cycle. Flash green on full charge. Battery ICON on pager will indicate % charge. Charge duration is dependent on usage which can be as long as 3-4 days.

Pagers will show Pager ID in top of LCD screen during charging and moves slightly left and right to prevent ghost image.

When a pager is removed from a charging slot it will boot up showing the following screen.



Screen shows version firmware followed by 3 programming codes C1, C2 C3

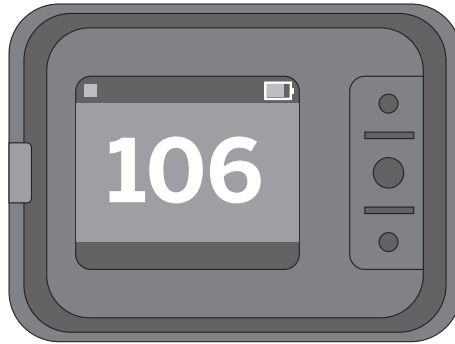
- C1 – Pager Number
- C2 – All Pager Number
- C3 – System ID

If group paging has been enabled on a transmitter and programmed into the pager, then a second screen will show the group paging numbers and/or group names.

These values can be re-programmed Over-the-Air by putting the pager into OTA mode, described later in the Menu options section and sending a programming message from a LRS transmitter.

Next screen after programming or group screen is the main screen, which shows the pager ID

- Top strip of main screen has a battery % ICON on right and if enabled a programming window ICON on the left.
- Botton strip of main screen will display time and date if enabled.



*At this point the LRS Alpha Pager II (AP2) is ready to receive messages.*

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## MENU SETTINGS

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Menu settings are accessed using buttons on right hand side of pager. All buttons have 3 actions,

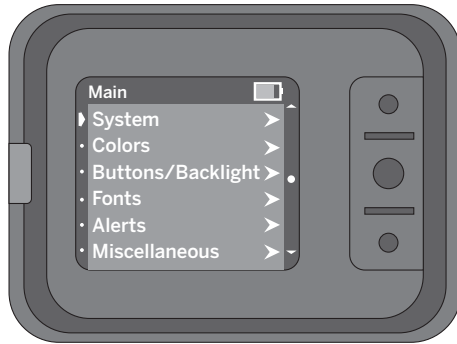
- Single Press
- Hold 1 second ▲ - Page Up (Top Button)
- Hold 1 second ▼ - Page Down (Bottom Button)
- Hold 2 second ↶ - Return to previous menu

Top button - single press displays up to 32 stored messages

Middle Button - is used mostly as an enter key, which accepts new values.

In the stored messages menu it will bring the selected message to the main screen and holding the middle key down for 1 second an X will appear and delete this displayed message.

Bottom Button - single press displays 6 menu categories. Each menu will have a sub-menu that is entered by pressing the middle button. Top and bottom buttons move up or down thru the menu categories. Holding the top or bottom button in for 2 seconds and releasing will return to the previous menu.



## System Menu

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### Options

- Delete all messages
- Date
- Time
- ID's
  - o Pager ID – View Only
  - o System ID – View Only
  - o All Page ID – View Only
  - o Serial Number – View Only

## Colors

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All Color Settings are Red-Green-Blue RGB565, meaning values range from 0-31; 0-63; 0 -31

### Options

- Pager ID ForeGround :Default 31 63 01
- Pager ID BackGround :Default 06 03 31
- Pager Message ForeGround :Default 31 63 31
- Pager Message BackGround :Default 00 00 00
- All Page Message ForeGround :Default 31 63 31
- All Page message BackGround :Default 30 04 10

## Buttons/Backlight

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### Options

- Vibe Key Enable :Default Off
- Speaker Key Enable :Default Off
- Bright % :Default 100%
- Dim % :Default 25%
- Bright Duration :Default 10
- Dim Duration :Default 30

## Fonts

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### Options

- Pager ID Size :Default Wide
- Pager Message Size :Default Medium
- Pager Message Size Scroll :Default Large
- AllPage Message Size :Default Medium
- AllPage Scroll Size :Default large
- Display Pager ID En :Default ON  
(Shows Pager ID on bottom ribbon during and after a message is received)

## Alerts

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Settings for how the Pager will be alerted on incoming messages. Vibe/Beep settings are in seconds so that Vibe Beep style will effect the absolute number of vibes or beeps. Vibe and Beep enable settings will override Alert Message Control settings.

### Options

- Alert Message Control :Default Transmitter  
(Alert codes are controlled by Pager or come from Transmitter)
- Scroll Period Milliseconds :Default 25
- Vibe Enable :Default ON
- Beep Enable :Default OFF
- Vibe Style :Default 4
- Beep Style :Default 2

## Miscellaneous

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### Options

- OTA Programming :Default OFF  
(Turns on the over-the-air programming window for 30 seconds)
- Date/Time enable :Default ON  
(Displays Date and Time in bottom ribbon if enable by 7471 transmitter)
- GSM7 Language :Default 0  
(Value coordinated with transmitter for display of special characters and foreign language characters)
- Left Hand Mode :Default OFF  
(Switches display sides)
- Message Mode :Default 3  
(0- single screen only; 1- multi screen messages; 2- scrolling message; 3 Automatic selection)
- Deep Sleep :Default OFF  
(Puts Pager into Low Power mode, used for transporting)

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## TROUBLESHOOTING

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### Pager Shows an Error Code

1. If code is E007, E008, or E009 try over-the-air (OTA) programming. See transmitter manual for specific instructions on OTA programming a pager.
2. For all other codes, contact LRS for service.

### Pager Does Not Receive Pages

1. Be sure that the pagers are charged, the battery icon is not red or minimal.
2. Be sure transmitter power is plugged in and display is lit.
  - If display is blank, check power supply as described below.
  - If display is lit, check transmitter functions described in transmitter's users manual.
3. Pagers may or may not vibrate depending on a preprogrammed configuration or menu selection when removed from the charging base.

### Check The Power Supply

1. Be sure the wall outlet that the power supply is plugged into is working (plug another device into it and see that it works properly).
2. Be sure the wire that plugs into the side of the transmitter is plugged in securely.

### Charging Check

Please take note of the following charging requirements and functions.

1. Chargers will illuminate a BLUE LED with proper pager connection.
2. Pagers on charge will flash a purple light every 5 seconds for a very low charge, Yellow for a medium charge, and green for a full charge.
3. Check for dirty charging pins on your pagers. To clean, use a damp rag, and wipe the 3 metal contacts on the back of each pager.
4. Be sure that all pagers are plugged in and charging when not in use. Even for long periods of inactivity.

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## SERVICE QUESTIONS AND ANSWERS

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1. Should your paging system ever fail to function properly, refer to the previous troubleshooting section. If you've followed all the steps and requirements and your system is still inoperable, you may submit a support request at [support.LRSUS.com](http://support.LRSUS.com) or call Long Range Systems at (800) 437-4996 Monday through Friday 8:30 am to 5:00 pm Central Time. For after hours inquiries, please follow the instructions on the support line. LRS Customer Support will return the call as soon as possible. Please keep in mind that options are limited over the weekend.
2. System Repair After Warranty Expiration Call Long Range Systems before sending a non-warranty item in for repair.
3. Ordering Additional Pagers Call Long Range Systems at 800.437.4996 or 214.553.5308 to place your order.

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## WARRANTY

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Long Range Solutions, LLC (LRS) provides a limited warranty on our products. We warrant our Pagers and Trackers against defects in materials and workmanship that occur under ordinary use for 1 year from the original ship date. We warrant our Transmitters for a period of 2 years. During this warranty period, if a defect arises in any system component or device (collectively, "Parts"), and you follow the instructions provided herein for returning the Parts, we will at our option, to the extent permitted by law, either (i) repair the Parts using either new or refurbished parts, or (ii) replace the Parts with a new or refurbished Parts that are equivalent to the Parts to be replaced. The repair or replacement Parts will be warranted for 30 days or the remainder of the original warranty period whichever is longer.

Implied warranties and any similar warranties required by law, also expire after one year, as appropriate, unless otherwise required by law. All oral and other warranties, whether express or implied, are disclaimed to the fullest extent allowed by law.

LRS returns repaired or replacement products via FedEx Ground shipping. The client is responsible for all shipping charges for the returns sent to LRS. After we receive returns, LRS will process the exchange within 3 weeks and will be responsible for all shipping charges delivering replacement part(s). Or the client can request an immediate replacement which will be shipped and billed for immediate payment unless net terms has been approved. A credit will then be issued after receipt of the in-warranty item. All warranty claims must be initiated through our customer service department at [lrsus.com/support](http://lrsus.com/support), [support@lrsus.com](mailto:support@lrsus.com) or 800.437.4996.

The following items ("Parts") include a 30-day warranty only and are not subject to a Complete System one-year or extended warranty program: pager clips and cradles, table tracker tags, table mats, table docks and any other individual components or other system accessories.

LRS equipment is not covered under warranty if subject to:

**Improper Electrical Connection/Charging:** All LRS equipment operates using only LRS specific power supplies. If a non-approved or incorrect power supply is connected to the equipment, resulting damage will not be covered.

Damage due to acts of nature such as but not limited to: power outages, lightning (power surges), floods, tornadoes, and earthquakes are not covered.

LRS products that contain a rechargeable battery must be kept on charge. Any rechargeable equipment left off charge for more than a 90 consecutive day period will not be covered under the limited warranty.

**Water (Liquid) Damage:** If any equipment is returned to LRS with water/liquid damage to any electrical component, the equipment will not be covered.

Physical damage: Damage due to accident, misuse, neglect, fire, alterations, unauthorized repair or other external causes are not covered. Warranty coverage concerning physical damage is at the sole discretion of LRS. "Misuse" means any use other than use in accordance with product manuals and documentation.

**Extended Warranty Option**

For an additional fee, LRS offers an optional 1-year extended warranty for Pagers and Trackers. One-year extended warranty is available for enrollment at the time of purchase. Eligible equipment may be covered through an extended warranty for up to two years, which includes the first year of manufacturer's warranty (i.e., extends the warranty period by an additional one year after the initial warranty period). The extended warranty program is subject to the same exclusions and exceptions as the original warranty.

In addition to the above warranty provisions, customers may have other rights and remedies available under state and federal law.

LRS only provides the warranties above on all new products purchased in the USA. All warranties are based on the original sale date.

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## FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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1. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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.
2. 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.
3. CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment

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## Terms and Conditions

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These general terms and conditions (“General Terms and Conditions”) govern all persons (“Purchasers”) that purchase or license, directly or indirectly, equipment, software, firmware, and/or services (collectively “Deliverables”) from Long Range Solutions, LLC (“LRS”).

**Limited Software Use License.** All software and firmware (collectively “Software”) is licensed (the “License”) for use only by Purchaser and other expressly authorized or permitted users, including customers of Purchasers. Neither the Software, nor any interest therein, is intended to be sold or conveyed by this License.

**Application Programming Interface (API).** In addition or incident to the sale or license of certain Deliverables, LRS may license Purchasers to access or use LRS’ APIs. All APIs and the routines, protocols and tools comprising the APIs are the exclusive property and right of LRS. Only expressly authorized licensees of a LRS API may access or use such API. Use and other rights concerning APIs are subject to these General Terms and Conditions and such other specific terms and conditions as LRS may implement on a case by case basis. For purposes of these General Terms and Conditions, APIs are included in the definition of “Software” hereunder and a license to use an API is included in the definition of “License” hereunder.

**Usage Restriction.** Paging technology and other technology built into the Deliverables may at times not work due to interference with signal transmission beyond LRS’ control. Purchaser therefore agrees not to use any Deliverable for an application in which a signal or connection failure might cause harm to a person, injury to a property, or a business loss. Purchaser also agrees to abide by and strictly adhere to any rules, regulations and guidelines related to the use of any portion of any Deliverable to collect, store or transmit personally-identifiable information, including without limitation any “protected health information” (as defined by HIPAA), or billing or financial payment data, from any customer, consumer or user.

**Data Collection.** In connection with the Deliverables, data provided by Purchaser and its customers may be collected in connection with surveys, consultations, and uses of the Deliverables, including email addresses, telephone numbers, locations of users (which may utilize geo-location technology), times of usage, times of paging, times of responses to paging, devices used, configuration preferences, cookies, and social network information. In order to provide LRS’s customers with enhanced comparative benchmarking services with respect to customer industries, among other services, Purchaser hereby grants to LRS a royalty-free, perpetual, irrevocable license to use and distribute this data and results obtained through Purchaser’s use of the Deliverables for any and all purposes; provided that LRS shall not identify any Purchaser, or distribute to third parties any “protected health information” (as defined by HIPAA) or billing or financial payment data of any customer or consumer of Purchaser, without the express prior consent of such Purchaser. Purchaser warrants that Purchaser has the right to disclose, transfer or otherwise make available any Protected Health Information (as defined in 45 C.F.R. § 160.103) or other personally identifiable information that is made available to LRS by Purchaser or by Purchaser’s customers in connection with the Software or other Deliverables. Without limiting the foregoing, Purchaser shall obtain all authorizations, consents or other permissions from Purchaser’s customers (or the customer’s authorized personal representative) for the disclosure of customers’ personally identifiable information to LRS that are required by federal, state or local law, including, without limitation, the administrative simplification section of the Health Insurance Portability and Accountability Act of 1996 and its implementing regulations.

**Limited Warranty.** Unless expressly agreed to in a separate written instrument, LRS warrants to only Purchaser that the Deliverables will perform in accordance with specifications for them that LRS has published prior to their delivery for a period of time as specified in the purchase agreement or purchase order relating to such Deliverables. This limited warranty shall be voided if any Deliverable is modified or serviced by someone other than LRS or where the defective or non-performance is caused to any extent by accident, misuse, abuse, neglect, fire, water, acts of nature, power surges, improper maintenance, usage not in accordance with instructions or specifications, or usage or storage in unsuitable physical or operating environments.

**Disclaimers.** LRS DISCLAIMS ALL IMPLIED WARRANTIES CONCERNING THE DELIVERABLES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY OF NON-INFRINGEMENT. PURCHASER ACCEPTS THE DELIVERABLES “AS IS,” EXCEPT FOR THE EXPRESS LIMITED WARRANTY MADE HEREIN.

**Limitation of Remedies.** In the event of any breach of any express warranty made herein, LRS may, at its option, either repair or replace any defective Deliverable or refund the money that Purchaser paid for it. LRS's total liability for any defect in any Deliverable or for any other breach of any of its duties and obligations to Purchaser shall be limited to the amount of money that was paid for the defective Deliverable or the other duty or obligation. LRS will in no event be liable for any lost profit or any other type of consequential or special damage.

**Confidentiality.** The Deliverables and all computer systems that deliver any portion of them contain confidential trade secret information. Purchaser shall not attempt to reverse engineer any portion of the Deliverables or such computer systems, such as to disassemble any portion of hardware or decompile any portion of the Software, nor aid or permit anyone else in doing so.

**Intellectual Property.** Except for the License, no portion of any intellectual property right in the Deliverables is being granted, conveyed or transferred to the Purchaser or to Purchasers customers or permitted users. Neither Purchaser, nor Purchaser's customers or permitted users, may copy or modify any portion of the Deliverables, and may not permit or aid anyone else in doing so. Notwithstanding, Purchaser may use the Deliverables as they are intended to be used, as expressed in written materials published by LRS from time to time.

**Operational Authority and Licensing Requirements.** Non-Federal government Purchasers may operate the Deliverables within the United States under the licensing authority issued to LRS by the Federal Communications Commission (FCC), provided, however, that such operation is: (a) subject to LRS's control, (b) conducted on a non-profit, cost shared basis with costs apportioned as part of the price for such Deliverable, (c) in accordance method of operation set forth in the manual for the deliverable, available for download at <http://lrsus.com/support> and (d) limited to the term of this or a separate Agreement, the term of LRS's authority, or a term otherwise specified by LRS, whichever expires earlier. Notwithstanding the provision below entitled "No Third Party Beneficiary," users of any Deliverables acquired from Purchasers or other entities may contact LRS to determine if they may be eligible to operate under LRS's authority. Alternatively, Purchasers and users may obtain their own licensing authority; the FCC posts a list of licensing coordinators at [http://wireless.fcc.gov/services/index.htm?job=licensing\\_3&id=industrial\\_business](http://wireless.fcc.gov/services/index.htm?job=licensing_3&id=industrial_business). Purchasers and eligible users of any Deliverable agree to abide by and strictly adhere to any rules, regulations and guidelines, including the FCC's rules, governing the operation of the Deliverable. Changes or modifications to any portion of any Deliverable may void the Purchaser's or user's authority to operate the Deliverable and should not be made without the express approval of LRS. Moreover, use of any portion of any Deliverable outside the United States is subject to the rules and regulations of other countries and may be prohibited. Use of any Deliverable constitutes Purchaser's and user's acceptance of and agreement to these General Terms and Conditions, including any revisions to these General Terms and Conditions that may be required to reflect changes in the regulatory or other obligations imposed upon LRS or that may otherwise be adopted by LRS from time to time.

**Governing Law and Venue.** These General Terms and Conditions and any agreement relating to them shall be construed in accordance with and governed by the laws of the State of Texas (without regard to its conflicts of laws). Any dispute relating to these General Terms and Conditions and any agreement relating to them may only be heard and resolved by a court in Dallas County in the State of Texas. Purchaser consents to the personal jurisdiction of such courts over it. If any action at law or in equity is necessary to enforce or interpret any of the rights or obligations of the parties to these General Terms and Conditions, the prevailing party shall be entitled to reasonable attorneys' fees, costs, and necessary disbursements, in addition to any other relief to which it may be entitled.

**No Assignment or Transfer.** The rights and benefits provided under these General Terms and Conditions, as well as under any agreement that incorporates them, shall not be assigned without the express written permission of LRS. Similarly, the Deliverables may not be transferred to any other person, without the express written permission of LRS. Notwithstanding, Purchaser may temporarily loan its customers paging receivers. Purchaser may also transfer the Deliverables, as well as the rights and benefits under these General Terms and Conditions and any agreement that incorporates them, as an ancillary part of a sale of its business or substantially all of its assets. Following any assignment or transfer, Purchaser shall remain bound by all of the duties and obligations that are set forth in these General Terms and Conditions and any agreement that incorporates them.

**No Third Party Beneficiary.** Except as otherwise expressly provided in this Agreement, these General Terms and Conditions, as well as any agreement that incorporates them, are solely for the benefit of Purchaser. Neither the customers of Purchaser, nor any other person is an intended beneficiary of these General Terms and Conditions or any agreement that incorporates them, nor shall any such person have the right to any benefit that is provided under these General Terms and Conditions or any agreement that incorporates them.

**Merger.** Except as otherwise specifically set forth herein, these General Terms and Conditions, and any agreement that incorporates them, supersede any oral or other representation that may have been made about these General Terms and Conditions, any agreement that incorporates them, or any of the Deliverables. These General Terms and Conditions, and any agreement that incorporates them, may not be modified or superseded, except by a written agreement or a written amendment that is signed by LRS. In the event of any inconsistency between these General Terms and Conditions or any agreement that incorporates them and any form or other document supplied by Purchaser, such as a purchase order, the terms of these General Terms and Conditions or any agreement that incorporates will prevail.

**Severability.** In the event that any portion of these General Terms and Conditions or any agreement that incorporates them is found to be invalid or unenforceable for any reason, the remaining portions shall continue to be in full force and effect.

**Fees & Payment.** Purchaser agrees to pay all Service and Deliverable fees in US Dollars, and you assume all risks associated with any changing value in the currency compared with other currencies, plus Purchaser agrees to pay any applicable taxes, in accordance with the terms and payment method set forth in this agreement. Purchaser is responsible for providing accurate billing and contact information to LRS. LRS retains the right to suspend or terminate services if fees become past due. LRS reserves the right to change Service rates by providing Customer at least 30 days' notice prior to billing.

**Term & Termination.** Purchaser has the option of purchasing Monthly or Annual service plans, which are non-refundable and not available for proration except as required by law. Monthly agreements will auto-renew on a month-to-month basis until such time that a formal termination notice has been received by LRS. Prepaid Annual agreements will automatically renew at the end of each annual term unless Purchaser has given cancellation notice 30 days in advance of renewal term. Monthly-billed Annual agreements will auto-renew on a perpetual month-to-month basis upon completion of the initial annual term until cancellation notice is received by LRS. In the event that any agreement incorporating these General Terms and Conditions is terminated for any reason, all of the duties and obligations that the agreement and these General Terms and Conditions impose upon Purchaser shall continue in full force and effect, except any obligation to make payment for a Deliverable prior to its delivery.