

T74USB

Paging System Transmitter

USER MANUAL



Installation, Warranty and Service Information

LRS

Long Range Systems, LLC

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INSTALLATION AND SETUP

Basic Installation

- 1) Plug the 12V power supply into the side of the Transmitter.
- 2) Connect the USB cable from the connector on the Transmitter to a USB port on the host computer.
- 3) Note the COM Port that the USB cable is connected to on the host computer.
- 4) Open HyperTerminal on the host computer.
- 5) Assign a Name for the new connection.
- 6) Select the COM Port coming from the USB cable.
- 7) Use the following settings:
 - Bits per second: 9600
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow control: None
- 8) Type ECHO1 and press ENTER. (This echo function will allow you to see what is being typed.)

```
TheftTime=12, TheftTimer=0  
INP1, DISABLED  
>  
ECHO1
```

Screen View of Typing ECHO

```
RFDLY,0  
TheftTime=12, TheftTimer=0  
INP1, DISABLED  
>  
ECHO ON  
>  
-
```

Screen View of ECHO ON

- 9) You are now ready to use the interface.



Note: At any time, use the STAT command to view any changes.

Set Restaurant ID

This must be set correctly to page pagers.

To set the Restaurant ID, type RID,x and press ENTER twice.

X is the Restaurant ID.

Example: To set an ID of 2, type RID,2 and press ENTER twice.

```
TheftTimer=0  
>  
RID,2
```

Example Restaurant ID to 2

```
TheftTimer=0  
>  
RESTIDSET,2
```

HyperTerminal Output Showing ID as 2

```
>  
RESTIDSET,2  
>  
STAT
```

Type STAT and press ENTER

```
>  
STATUS  
VER 6.05  
RESTID,2  
STNID,1  
HPWR 3
```

Status View Showing Restaurant ID as 2

Repeat Delay

To turn ON Repeat Delay, type RPTDLY,1 and press ENTER twice.

To turn OFF Repeat Delay, type RPTDLY,0 and press ENTER twice.

```
>  
RPTDLY,1  
>
```

Example Repeat Delay ON

```
RF BAUD = 2400  
RIDTIMER = 0  
INP, DISABLED  
IDLIST = 2 2 2 2  
RPTDLY,1  
TheftTimer=0  
>  
-
```

Status View Showing Repeat Delay ON

High Power Setting

To change the Power Setting, type HWPR,x and press ENTER twice.

X is the Power Setting, a value of 1 to 4.

Example: To set a Power Setting of 3, type HWPR,3 and press ENTER twice..

```
TheftTimer=0  
>  
HPWR,1_
```

Example High Power Set to 1

```
RPTDLY,1  
TheftTimer=0  
>  
HPWRSET,1  
>
```

HyperTerminal Output Showing High Power Set to 1

```
RESTID,2  
STNID,1  
HPWR,1  
APGINS,1  
NUMP,4  
ALLPAGE, 0
```

Status View Showing High Power Set to 1

Frequency

CONTACT LRS BEFORE ATTEMPTING TO CHANGE THE FREQUENCY OF THE TRANSMITTER.

To change the Frequency, type SF,xxxxx and press ENTER twice.

XXXXX is the value of the Frequency.

```
RPTDLY,1
TheftTimer=0
>
SF,37420_
```

Example of Set Frequency (PLL) to 37420 (467.750 MHz)

```
RPTDLY,1
TheftTimer=0
>
PLL Set with N=37420, F=467.7500
>
```

HyperTerminal Output Showing Frequency (PLL) Set to 37420 (467.750 MHz)

```
VOL,64
AM TRANSMISSION OFF, 00
PLL,37420, 467.7500
RF BAUD = 2400
RIDTIMER = 0
INP, DISABLED
IDLIST = 2 2 2 2
```

Status View Showing Frequency (PLL) Set to 37420 (467.750 MHz)

RF Baud Rate

The RF Baud Rate is the speed at which data is sent to Alpha Numeric Pagers

To change the Baud Rate, type RFBAUD,x and press ENTER twice.

X is the value of the Baud Rate, at 512, 1200, or 2400.

The default Baud Rate of Alpha Numeric Pagers is 1200. If the rate on the transmitter is changed, the rate of the Alpha Numeric Pagers will also need to be changed.

```
RPTDLY,1
TheftTimer=0
>
RFBAUD,2400_
```

Example of RF Baud to 2400

```
VOL,64
AM TRANSMISSION OFF, 00
PLL,37420, 467.7500
RF BAUD = 2400
RIDTIMER = 0
INP, DISABLED
IDLIST = 2 2 2 2
```

Status View Showing RF Baud to 2400

SERVICE QUESTIONS AND ANSWERS

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

For weekend or night emergencies:

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

Warranty

Long Range Systems, LLC permits a one-year manufacturer's warranty following the original consumer purchase date of any LRS system. Any individual components or products purchased will receive a 30-day manufacture warranty. This warranty covers any defects due to faulty material or workmanship, but does not include damage to the product resulting from accident, misuse or improper electrical connection. If the product or system should become defective within the warranty period, we will repair or replace with equivalent equipment, free of charge. We will pay transportation charges to return your product via standard FedEx Ground shipping, provided the product is shipped prepaid to:

**Long Range Systems, LLC
4550 Excel Pkwy, Suite 200
Addison, TX 75001**

No return or replacement can be received without prior authorization from the LRS Customer Support department or without the proper RMA# posted on the outside of the shipping container. Contact Customer Support at 800.437.4996 or www.pager.net. This warranty gives you specific legal rights and you may also have rights that vary by state.

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EU DECLARATION OF CONFORMITY

We, Long Range Systems hereby declare under our sole responsibility that the T74USB 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-0054 111213

Terms & Conditions

GENERAL TERMS AND CONDITIONS FOR LONG RANGE SYSTEMS, LLC (FOR PURCHASERS)

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

Limited Software Use License. All software and firmware (collectively “Software”) is licensed for use only by Purchaser and, in the case of Software for paging receivers, by customers of Purchasers. The Software is not sold.

Usage Restriction. Paging technology may at times not work due to structural and other types of interference with signal transmission and due to other reasons. Purchaser therefore agrees not to use any Deliverable for an application in which a paging failure might cause harm to a person, injury to a property, or a substantial 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 any “protected health information” (as defined by HIPAA), or billing or financial payment data, from any customer or other consumer.

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. 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.

Disclaimers. LRS HEREBY 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 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 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 decompile any portion of the Software, nor aid anyone else in doing so.

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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 agree-

ment 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, plus 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.