

LTK-1100L

PAGER TRANSMITTER (LTK-1100L)

User Manual

FCC ID :QBTLTK-1100L

Trade Name :PAGER TRANSMITTER

Model No. :LTK-1100L

**THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS :
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE
OPERATION.**

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IMPORTANT SAFETY INFORMATION

RF EXPOSURE STATEMENT

Your Pager Transmitter contains a radio frequency transmitter. When the button is pushed the transmitter sends out RF signals.

CAUTION: To comply with FCC RF exposure compliance requirements, a separation distance of at least 8 inches (20 cm) must be maintained between the antenna of this transmitter and all persons, during normal operation.

The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna of transmitter.

Unauthorized antennas, modifications, or attachments could damage the transceiver and may violate FCC regulations.

User manual

Thank you for purchasing Our Products.

We are confident our cutting edge products and first rate service will satisfy your needs for years to come. Please read these instructions carefully before setting up your Guest Paging system!

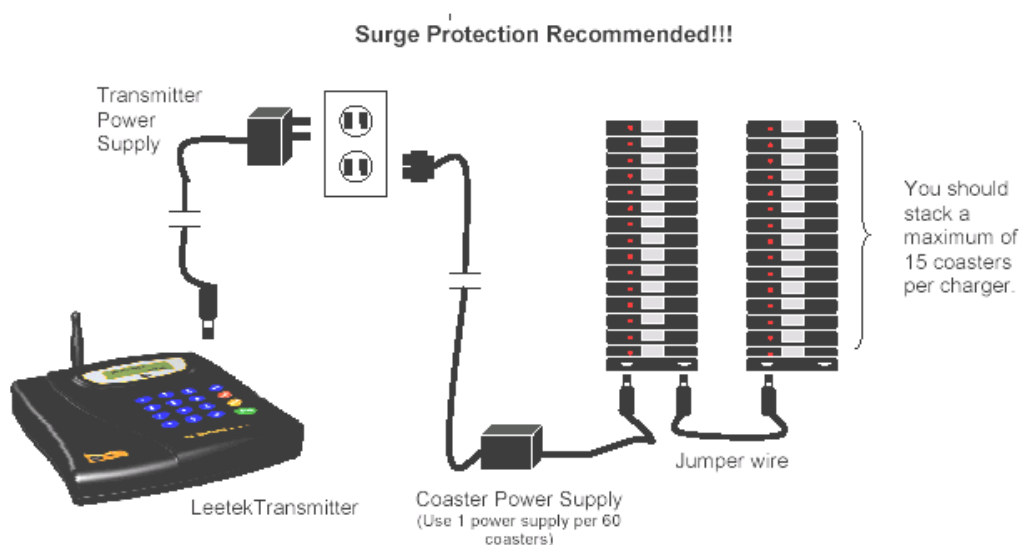
SPECIFICATION

- Pocsag Code
- Carrier frequency : 457.5750MHz +/- 200Hz
- Frequency Range: 450.0000 ~ 467.8750MHz
- FM modulation & FSK (frequency shift keying)
- Deviation: 4.5KHz
- FM Accuracy : +/-5% $4.275 < 4.5 < 4.725$
- Data Rate: 1200BPS, 600Hz +/-5Hz
- Output power : 500mW
- Message: Numeric: Max. 12 digits
- Address Range: 0001 to 1249
- Dimension : W(185) X D(190) X H(51.5)

1. EQUIPMENT SETUP

1) Keypad Sending Unit

Unwrap all sending unit components. Lock the antenna into the hole in the upper right hand corner of the sending unit. Plug the power supply with the large tip into a standard 110 outlet and plug it into the back of the sending unit. We recommend some type of surge suppressor on the power supply for protection. Power surges are not covered under system warranty!



2. PLACEMENT & MOUNTING INSTRUCTIONS

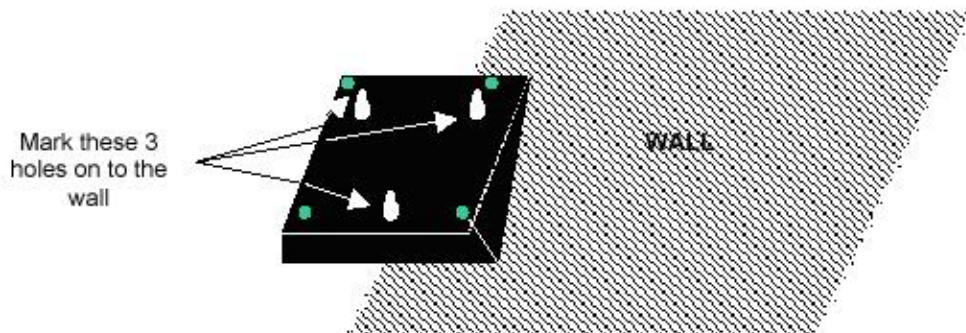
1) DESKTOP

You can use your transmitter with the 20 degree wedge attached or remove the wedge and lay the Transmitter flat.

2) WALL MOUNT

To mount your Transmitter on a wall

- Remove the plastic bracket (included) under the Transmitter unit by unlocking the 2 latches.
- Place the plastic bracket against the wall and with the aid of a pencil, mark the position of the mounting holes. (Refer to figure below). Mount the Transmitter in a convenient location where a power outlet is available.



- Drill a hole on the marked position. Install the 3 mounting screws (and use anchors where necessary). Ensure that the screws are not fully tightened so that the unit can be easily removed from the wall.
- Place the Transmitter onto the wall (without the plastic bracket). Plug the 2-amp wall Transformer into any suitable AC outlet. Plug the power connector into the power jack on the top left hand side of the unit. Transmitter is now ready for use. Be certain to mount the Transmitter away from phones, heat, moisture and exposed power circuits. These items can damage your system and shorten transmission range.

3) System Configuration

Your system was set at the factory and will function as soon as it is powered up.

Default setup is as follows

Current time is set.

Sleep shutdown on (battery operated pagers will be put to sleep at 1 am everyday)

Range Test is off. (Testing range is only necessary for very large properties)

Coasters are set to Flash & Vibrate when paged.

Duty Alert is off.

Out of Range alert is off.

*** Some major points to remember when installing the equipment**

- Never install aerials near to overhead power lines or adjacent to telephone or public address or Data communication lines.

- Avoid, where possible, running aerial feeder cables alongside other cables e.g.: telephone and mains.
- Avoid mounting the Transmitter in the immediate vicinity of telephones, exchanges or equipment.

3. System Programming

To enter programming mode, press the "SETUP" button and enter the password "1379" followed by "ENTER". If the password is accepted, the display will show "use * to scroll to menu options".

(Use the "* / Menu" key to scroll through the different menu options or press "CANCEL" to exit the system programming menu.)

1) Set the Current Time

- At the "Set Current Time" menu, set the hour then press "ENTER" key.
- Set the minutes and press "ENTER" key.
- Use the "# /Select" key to select AM or PM.
- After the correct time is set, press the "ENTER" or "* / Menu" key to return to the main menu or press the "CANCEL" key 2 times to exit the system programming menu.

2) Set the Sleep Shutdown Time (Factory Default: ON – 1 AM)

This system has an "ALL SLEEP" function that turns off all battery pagers at once automatically.

To turn this feature off

- Press "#/Select" key to turn the sleep shutdown "OFF"
- Press "ENTER" to go back to the main menu.

To change the shutdown time

- Press "#/Select" key to turn the sleep shutdown "OFF"
- Set the hour then press "ENTER" key.
- Set the minutes and press "ENTER" key.
- Use the "# /Select" key to select AM or PM.
- After the correct time is set, press the "ENTER" or "* / Menu" key to return to the main menu or press the "CANCEL" key 2 times to exit the system programming menu.

3) Range Test (Factory Default: OFF)

With this feature you can determine what distance your transmitter will cover.

- Remove a couple of coasters from the charger base.
- At the range test menu, press "#/Select" key to turn range test "ON"
- Press "ENTER" to start the range test. As soon as range test is activated you'll notice the coasters flash once every 10 seconds (if you use pagers they will vibrate). Walk around your property. When you reach the point where the coasters do not flash consistently, this is your maximum range. We can walk you through changing the power level of your transmitter.
- Press the "CANCEL" key to stop the range test. Press the "CANCEL" key again to exit the system programming menu.

NOTE: The transmitter has an auto shut off feature that will stop the range test after 15 minutes.

4) Set Pager Alert (Factory Default: Flash & Vibe)

With this feature you have the option of changing the way your coasters alert the guest. Be sure that all coasters are returned before performing this procedure.

To change the alert mode of your coasters follow these instructions

- Remove all the coasters from the charger base or unplug the power supply that is connected to the charger bases.
- At the “Set Pager Alert” menu, press the “#/Select” key to scroll through the different alert options.
- After making a selection, press the “ENTER” key 3 times. After sending the code, the coasters will now respond with your new selection.
- Press “CANCEL” key to exit the system programming menu
- Return all the coasters to the charger base or plug the power supply. The coasters are ready to receive the page with the new alert.

5) Setting the Duty Alert (Factory Default: OFF)

This feature enables your Transmitter to send a page, at a preset time, to a certain pager to remind them of a duty required of them. For example, a buzzer can receive a page every 60 minutes to remind him to check the restrooms.

You can assign up to 3 different pagers to be duty alert pagers.

Programming the duty alert

- At the “Duty Alert” menu, press “#/Select” key to turn the duty cycle “ON” and press the “ENTER” key.
- Enter the duty pager number and press “ENTER” key.
- Enter the cycle time (in minutes) and press the “ENTER” key.
- Enter the numeric message.
- After setting the duty alert function, press “ENTER” Display will show “Duty __ _ saved”
- Press “CANCEL” to exit or press “ENTER” to continue entering the next duty pager information.

6) Setting the “Out of Range”

With this feature, the coasters will play a melody when taken Out of Range of the transmitter to inform the guest that they are Out of Range and will miss their page. The melody will only stop, when they return back within range.

TURNING THE OUT OF RANGE ON

- Remove all the coasters from the charging unit or unplug the power supply that is connected to the charging base
- At the “Out of Range” menu, press the “#/Select” key to turn the Out of Range ON.
- Press the “ENTER” key 3 times. After sending the signal, all the coasters will light up once to tell you that they received the new code.
- Press “CANCEL” key to exit the system programming menu.

To test the coasters with Out of Range on, unplug the power supply that is connected to the transmitter. After 45 – 60 seconds, all the coasters will play a melody since they are not receiving a signal from the transmitter. Plug in the power supply back into the transmitter. After a few seconds, all coasters will stop playing the melody. Return all the coasters to the charging base or plug the power supply. The coasters are ready to receive the page with

the Out of Range feature turned on.

TURNING THE OUT OF RANGE OFF

- Remove all the coasters from the charging unit or unplug the power supply that is connected to the charging base
- At the “Out of Range” menu, press “#/Select” key to turn the Out of Range OFF.
- Press “ENTER” key 3 times. After sending the signal, all the coasters will light up once to tell you that they received the new code.
- Press “CANCEL” key to exit the system programming menu.

To test the coasters with Out of Range off, unplug the power supply that is connected to the transmitter. After 30 - 45 seconds, all the coasters should not play the melody since the Out of Range was turned off. If all or some of the coasters are playing the melody, repeat the procedure above. If none of the coasters are playing the melody, return all the coasters to the charging base or plug the power supply. Plug the power supply of the transmitter. The coasters are ready to receive the page with the Out of Range feature turned off.

7) Frequency Table

Frequencies are selectable as below:

0. 450.0000	6. 459.0500
1. 450.3250	7. 462.5750
2. 452.5750	8. 467.7500
3. 453.0250	9. 467.8000
4. 454.5750	10. 467.8500
5. 457.5750	11. 467.8750

Troubleshooting

Transmitter will not display anything

- a. Make sure there is power to the outlet
- b. Check all connections.

If you try all this and the transmitter still wont power up your power supply may be bad. If display is still blank, call LEETEK.

Before you call, try some of the following suggestion

*Remember that the capability of your system will be affected by: Foil backed wallboard, Metal mesh, wire reinforced glass, metal sheeting, large mirrors, suspended ceilings, lift shafts etc. These can all reflect and thereby reduce the signaling capability of the transmitter. A little forethought prior to installation, coupled with a few tests, can normally avoid most of these problems.

1. Read through the manual. Answers to most questions can be found there.
A trouble shooting section further assists you in diagnosing the problem.

2. IMPORTANT NOTICE:

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. 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.

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

This device complies with Part 15 of the FCC Rules .

Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation..

Warning: Changes or modifications made to this equipment not expressly approved by LEETEK may void the FCC authorization to operate this equipment.

3. CAUTION : Never use any cleaner other than alcohol for the maintenance of this equipment. Organic solvent such as benzene, toluene or acetone may spoil the plastic parts of this equipment.

4.RF Radiation Exposure

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

5.Do not subject this equipment to:

1)Mechanical shock 2)Excessive humidity or moisture 3)Extremes of temperature 4)Corrosive liquids

6.Warning ! No user serviceable parts

Alteration or modification to any part of this equipment, without the prior written consent of the manufacturer, will invalidate all manufacturer approvals and warranty. No adjustments can be undertaken except by qualified and licensed persons as defined by the FCC Rules and Regulations. Operation of altered equipment can result in fines, imprisonment, and /or confiscation of such equipment.

WARRANTY

LeeTek warrants this product against any defects that are due to faulty material or workmanship for a one-year period after the original date of consumer purchase. This warranty does not include damage to the product resulting from accident, misuse or improper electrical connection. **Power supplies are warranted for 60 days. We recommend the use of a surge protector with all equipment.** If this product should become defective within the warranty period, we will repair or replace with equivalent product, free of charge. We will return your product, transportation charges prepaid standard shipping mode, provided the product is shipped prepaid to:

LEETEK, 3rd FL #499-2 Sang 3-dong, Wonmi-gu, Puchon-city, Kyunggi-do, KOREA

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

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

I need to send some transmitter in for repair - What do I do?

Within warranty period / Covered by our Product-Care Program:

Ship malfunctioning components to the following address:

3rd FL, #499-2 Sang 3-dong, Wonmi-gu, Puchon-city, Kyunggi-do, Korea

Tel: 82-32-678-8605 Fax: 82-32-324-9840

1. Pack the components securely
2. Enclose a note with a brief description of the problem
3. Include a business card
4. Ship the equipment in a traceable manner for your protection. (ie UPS).
5. Insure the shipment for replacement value.

There are no charges for repaired equipment within the warranty period, or if covered by Product-Care, other than your shipping costs. We will pay shipping one way back to you.

(Shipping by the courier service is available at an additional charge on request)

Out of warranty items will be repaired and sent back C.O.D.

Hints and Tips

Training is the key to success with a paging system.

Orientating your entire staff and training your host staff on the use of the paging system is key to the success of the system.

As a part of the general host training program, time must be set aside to teach new hires about the use and care of the paging system. Be certain staff members understand the importance of asking for the transmitter back after work.

Benefits of a VISUAL paging system

Staff members are alerted thru the pager and know to quickly close the tab of a guest to help speed table turns.

LEE TECHNOLOGY KOREA CO., LTD.