Congratulations on your purchase of the 391 SoundPak™ system by Lightspeed Technologies. This portable, desktop amplification system is designed for children with mild hearing loss, cochlear implants, attention deficit disorder and auditory processing disorder. It's a simple way to insure that students are able to clearly hear all of the instruction. The system is conveniently stored in the carrying case for safe and easy transport between classes.

The 391 SoundPak is built to last and is easy to use. The instructor speaks into a lightweight, comfortable headset microphone that is connected to a small belt-pack transmitter. Just plug in the mic, turn on the transmitter and SoundPak and you’re ready to go!

Fold out this booklet completely to use the Quick Start Setup Instructions. For more information, call Lightspeed Technical Services at 800.732.8999

Before You Begin

This system ships with rechargeable batteries. For proper operation, it is important that the batteries in both 370T and 380R be charged overnight. Power switches for both units should be in the OFF position during charging. The 370T transmitter is recharged by using the BC-370 wall charger with charger cord. The SoundPak is recharged by using the BC-1A wall charger. Optimum charging time is 8-10 hours. Charging indicator LED’s will light when proper connection is made.

Features

- Dual Channel—The 380R comes equipped with two frequency channels. Be sure that both the 370T and the 380R are on the same frequency.
- Microphone Input—The 380R is equipped with a microphone jack on the top. This supplies bias voltage in the event that it is needed.
- Headphone Output—The 380R has a headphone jack on the side of the unit that allows private listening. Any headphone with a standard mini plug will work.
- Micro Link Compatibility—The 380R frequencies are designed to be compatible with MicroLink™ frequencies. (MicroLink is a trademark of Phonak Group)

Also available from Lightspeed:

- REDCAT Portable Infrared Audio System
- REDMIKE™ Portable Microphone System

Public Address System

Includes: amplifier/speaker unit with AC power supply and carrying case; FM wireless receiver(s), transmitter(s), rechargeable batteries and chargers as required to support microphone selection.

Transportable Systems

Transportable PA systems are designed to support the needs of small schools or institutions. All-in-One Classroom Audio systems include microphone(s), amplifier(s), speakers, and rechargeable batteries and chargers. The REDCAT portable infrared audio system is also available. Microphone selection features include microphone(s) and microphone(s) with external power supply. Some audio inputs are also available on some models. The REDCAT portable infrared audio system is also available. Microphone selection features include microphone(s) and microphone(s) with external power supply. Some audio inputs are also available on some models.

Features

- All-in-One Classroom Audio
- Microphone(s) and microphone(s) with external power supply
- Some audio inputs available on some models
- No installation, easy-to-use, and affordable

LightSpeed Technologies

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TOLL FREE: 800.732.8999 / PHONE: 503.684.5538 / FAX: 503.684.3197
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Please check your system and confirm you have received the following 391 SoundPak components:

- 370T Receiver/amplifier and Carrying Case
- 380R Receiver/amplifier and Carrying Case
- Rechargeable AA Nickel Metal Hydride (NMH1) batteries
- BC3R Wall Charger for the transmitter
- BC1A Wall Charger for the receiver/amplifier

**SYSTEM COMPONENTS**

**DAILY SETUP**

1. **REMOVE THE CHARGING CORDS**
   - After being fully charged, remove the charging cord from the 370T and the 380R.

2. **CHECK FREQUENCIES**
   - Check that the frequency on the 370T and the 380R match, for example both set on channel A or both set on channel B.

3. **PUT ON THE HEADSET**
   - Insert the TK250M headset microphone plug into the jack on the top of the 370T and position the TK250M along the left jaw line. Proper positioning is achieved by moving the headband over the top of the left ear, around the back of the head (not over the top), and then over the right ear. The microphone element should be positioned about an inch from the left corner of the mouth. The TK250M boom is adjustable. The headband may be adjusted by grasping both ends of the wire headband and wide stretching it farther apart or rolling the loop into a tighter shape.

4. **TURN ON/ADJUST VOLUME OF 370T**
   - Slide the power switch of the 370T to the left to the "ON" position (Note: the center is the "MUTE" position). Rotate the volume control to the maximum midway (you may adjust to that of the teacher's voice).

5. **TURN ON/ADJUST VOLUME OF 380R**
   - Place the 380R on the student desk with the speaker facing the student. Turn on the power switch by rotating the "Power/Volume" switch clockwise until it clicks on. Continue to rotate the volume knob clockwise until the desired volume is achieved. CAUTION: If the mic is too close to a speaker, feedback may occur (a howling sound). To eliminate this problem, decrease the volume level and move farther away from the 380R.

6. **CONSERVE BATTERY STRENGTH**
   - To conserve battery life, the 370T and 380R should be turned off when not in use.

**MAINTENANCE**

The 391 SoundPak system is designed to be durable and trouble-free for many years if use. The primary maintenance issue is proper battery management. Both the 370T battery and the 380R batteries need to be charged daily in order for the system to operate properly. Correct charging procedures also have a great impact on the overall useful life of the batteries. In order to achieve this goal of continually charging the battery, the 370T and 380R power switches need to be in the OFF position during charging.

The 370T and 380R should not be left plugged into the chargers for extended periods of time. If you are going to store these products for 5 or more days they should be charged for about 8 hours and then stored in a relatively cool location. If the length of storage time is several weeks or more, the batteries should then be recharged before using. This system is shipped with midcell Nickel Metal Hydride (NMH) rechargeable batteries. These batteries do not develop a "memory" problem like NiCd batteries, but these batteries should not be fully discharged. The best battery management is to charge the batteries for 8 to 10 hours and then unplug them from the charger. It is okay to charge the system for short periods of time.

**TROUBLESHOOTING**

Please go through this checklist before calling Lightspeed Technologies Service Department. Note: Most problems associated with wireless FM systems are directly related to low battery power. Check the batteries and chargers.

**Battery Check**
- Confirm batteries are charged each night. With proper charging, batteries should last about one school week.
- Confirm charging LED is on while charging.
- Be sure the 370T and 380R are turned off while charging.

**Operating Notes**
- Test the 370T with a fully charged "AA" battery.
- Confirm the TK250M cable is inserted securely into the 370T.
- Check battery contacts. Clean if necessary.
- If noise occurs only when wiggling the TK250M cord, determine whether the static is coming from the cable or the 370T jack by firmly holding the plug into the jack and moving the cord along its length.
- If there is access to another microphone, try it in 370T if it works, your original microphone may need repair. If the system checks out okay and you still hear some occasional noise or pops it may be experiencing radio frequency interference (RFI). If you think it may be RFI, try switching the channel to a different channel and see if the interference goes away. Confirm that your frequency is not being duplicated by another wireless FM system within the building. Continued RFI may require recharging your system for one with a different frequency. Contact Lightspeed Technologies Service Department.

**Low Volume**
- Check volume level on 380R and adjust as necessary. Clockwise adjustment of the volume knob will increase volume.
- If volume is too low, check to be sure that the batteries are properly charged in the 370T transmitter and 380R SoundPak.

**Screamed In and Out (Drop Out)**
- Test the 370T with a fully charged "AA" battery.
- Make sure the batteries in the 380R are properly charged as well.

**No Sound From Speaker**
- Check the 380R SoundPak volume level.
- Confirm the transmitter and SoundPak have matching frequencies.
- Confirm the TK250M cable is securely inserted into the 370T transmitter.
- Confirm the 370T transmitter power switch is turned ON and that the power LED is lit.
- Confirm that the 380R SoundPak is turned on and that the power LED is lit.
- Confirm that there are no headphones plugged into the headphone jack.

**WARRANTY**

**TWO-YEAR LIMITED WARRANTY TO ORIGINAL PURCHASER**

The 391 SoundPak system is guaranteed against malfunction due to defects in material and workmanship for a period of two years. The warranty period commences on the date of original purchase. If such a malfunction occurs, the product will be repaired or replaced (at our option) without charge during the period. Limited exclusions specifically apply to microphone elements and their assemblies, also external body parts and labels are provided by Lightspeed or its authorized warranty service center for warranty repair. Warranty does not extend to finish, appearance items, or malfunctions due to conditions, nor does it extend to incidental or consequential damage. Repair by other than authorized warranty service centers is invalid. Contact Lightspeed for details. Extended service contracts are available for an additional fee. Contact Lightspeed for details or for details.

**FCC NOTICE**

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions:

- This device may not cause harmful interference, and
- This device must receive interference from a licensed FM radio station.
- Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 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. It has been determined that this equipment is in compliance with these limits. It is further determined that this equipment is not capable of causing interference with radio communications.