

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



AC-MN391



LIGHTSPEED TECHNOLOGIES
11509 SW Herman Road / Tualatin, OR 97062
TOLL FREE: 800.732.8999 / PHONE: 503.684.5538 / FAX: 503.684.3197
LIGHTSPEED-TEK.COM

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User Guide

Also available from Lightspeed:

All-in-One Classroom Audio



REDCAT's unique all-in-one design requires no installation, meaning easy adoption and immediate results. The REDCAT and REDMIKE™ combination delivers clear audio, excellent sound distribution and high speech intelligibility.

Portable Systems



The 705IR system utilizes infrared technology and is battery or AC powered. This system includes an amplifier/speaker unit, REDMIKE(s), rechargeable batteries, chargers and a padded carrying case.

Public Address System

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

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.

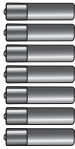
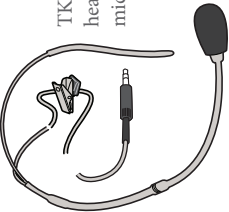
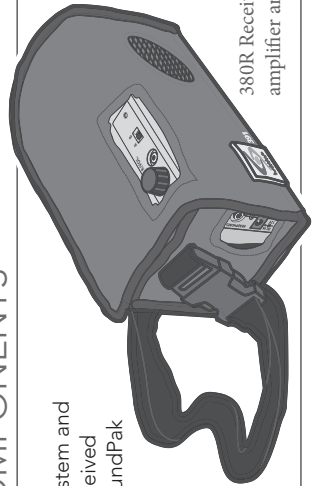
Before You Begin

- 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)

SYSTEM COMPONENTS

Please check your system and confirm you have received the following 391 SoundPak components:



Rechargeable AA Nickel Metal Hydride (NiMH) batteries

BC370 Wall Charger for the transmitter



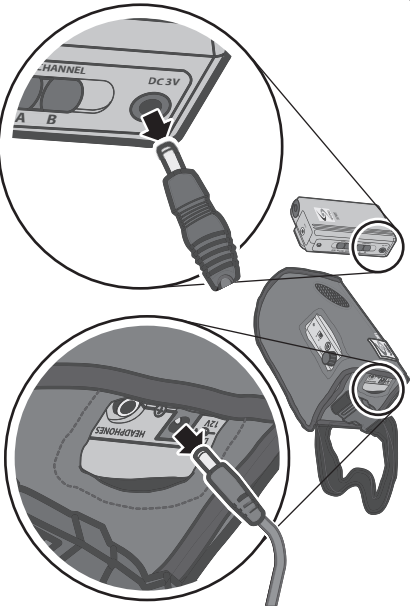
BC1A Wall Charger for receiver/amplifier



DAILY SETUP

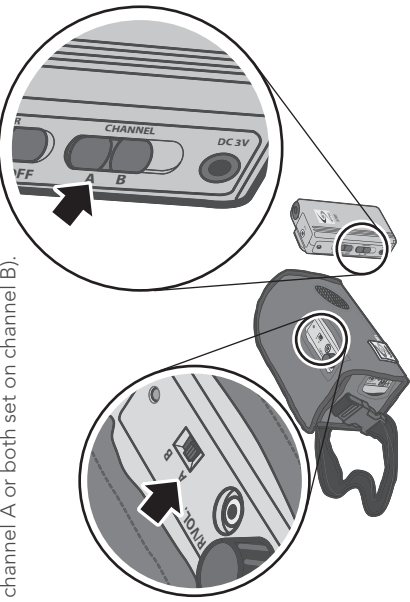
1. REMOVE THE CHARGING CORDS

After being fully charged, remove the charging cords from the 370T and the 380R.



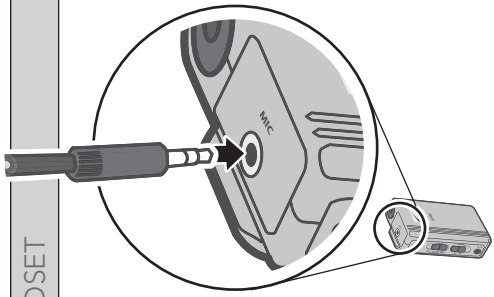
2. CHECK FREQUENCIES

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 mic jack on the top of the 370T and position the TK250M along the left jaw line. Proper positioning is achieved by running 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 and wind screen should be positioned about an inch from the left corner of the mouth. The TK250M boom is adjustable.

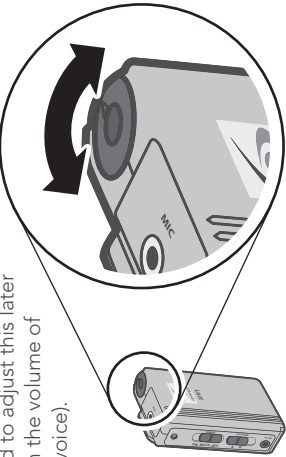


The headband may be resized by grasping both ends of the wire headband and either stretching it farther apart or rolling the loop into a tighter circle.



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 knob on the 370T to approximately mid-way (you may need to adjust this later depending on the volume of the teacher's voice).



5. TURN ON/ADJUST VOLUME OF 380R

Place the 380R on the student desk with speaker facing the student. Turn on the power switch by rotating the "Power/Vol" 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 speaker, feedback may occur (a howling sound). To eliminate this problem, decrease the volume level and/or move farther away from the 380R.



MAINTENANCE

The 391 SoundPak system is designed to be durable and trouble-free for many years if use. The primary maintenance issue is improper 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 procedure also has a great impact on the overall useful life of the batteries. In order to allow the charger to completely charge 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 nickel Metal Hydride (NiMH) rechargeable batteries. They do not develop a "memory" problem like NiCad 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 associates 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 year.
- Confirm charging LED is on while charging.
- Be sure the 370T and 380R are turned off while charging.

Hearing Static:

- Test the 370T with a fully charged "AA" battery.
- Confirm that the TK250M cable is inserted securely into the 370T.
- Check battery contacts. Clean if necessary.
- If static 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 you have access to another microphone, try it in your 370T. If it works, your original microphone may need repair. If the system checks out okay, and you still hear some occasional static or popping, you may be experiencing radio frequency interference (RFI). If you think it may be RFI, try switching the channel to the other frequency 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 exchanging 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.

Sound Fades 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 its 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, beginning at 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 cables, wires and batteries. Prepaid shipping labels are provided by Lightspeed or an authorized warranty service center for warranty repairs. Warranty does not extend to finish, appearance items, or malfunctions due to abuse or operation other than specified conditions, nor does it extend to incidental or consequential damages. Repair by other than Lightspeed or its authorized service agencies will void this guarantee. Extended service contracts are available for an additional fee. Contact Lightspeed Technologies for details.

FCC NOTICE

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 may receive interference from spurious FM signals.

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

This equipment has been tested and found to comply with the limits of 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. If this equipment causes 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 television/radio antenna.
- Increase the separation between the 370T and television/radio.
- Connect the equipment into an outlet on a circuit different from that to which the television/radio is connected.
- Consult LightSPEED for help.

If you review these instructions and still have questions, write down the serial number and model number of your system and call Lightspeed Technical Services at 800.732.8999, 5 a.m. – 5 p.m. PST.

SYSTEM CARE

370T Care:

Cleaning the microphone jacks and battery contacts will help ensure that your system gives you years of reliable operation. We recommend using a "deoxidizer" or contact cleaner every two or three months.

Battery Maintenance & Care

- When replacing batteries in the transmitter or the receiver/amplifier, pay close attention to polarity (matching + to +, etc.).
- Batteries should fit snugly against the contact points inside the battery compartment.

- Batteries are to be charged each night and over weekends. They should not be left charging over extended periods such as through the summer or during Christmas and spring breaks. Prior to extended breaks, systems should be fully charged and stored in a cool, dry place. After extended breaks, recharge batteries prior to initial use.

WARNING:



Do not attempt to charge alkaline batteries—they can overheat and expand, creating a significant hazard and damaging equipment.

6. CONSERVE BATTERY STRENGTH

To conserve battery life, the 370T and 380R should be turned off when not in use.